

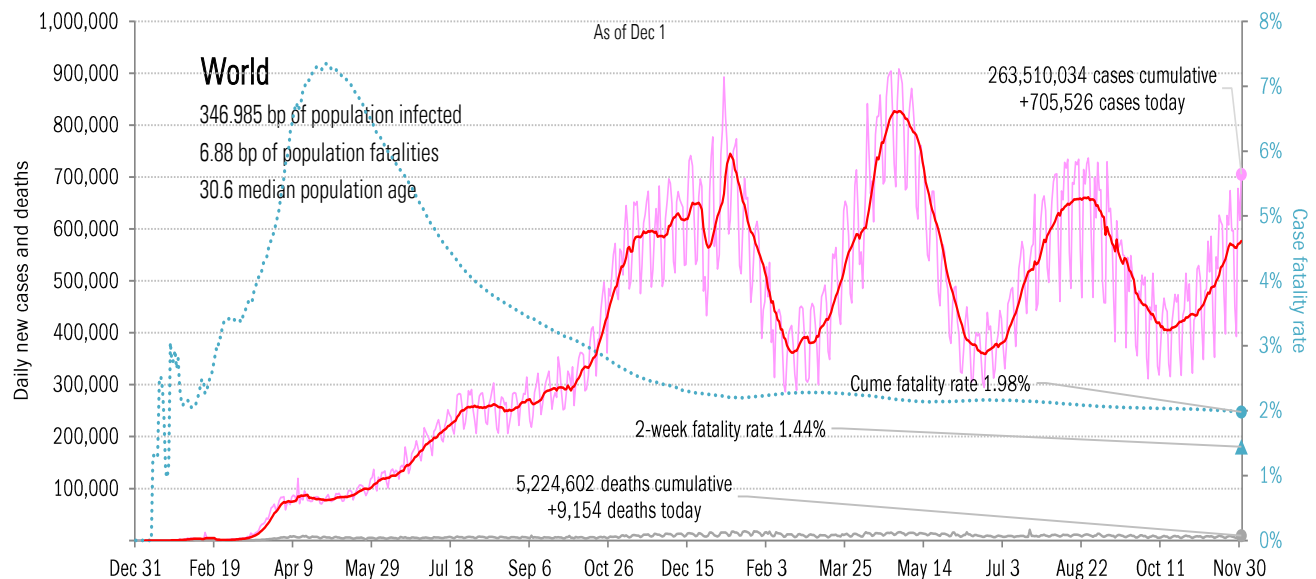
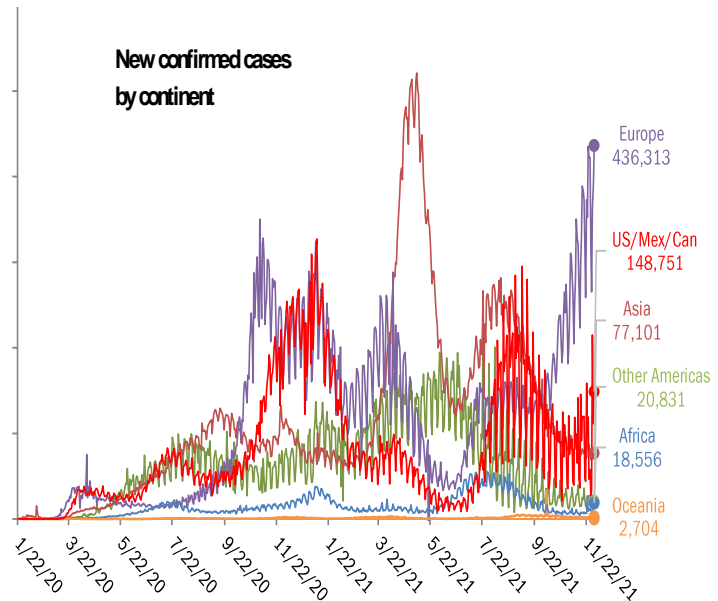
Data Insights: Covid-2019 Monitor

Thursday, December 2, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+138,872	United States	+2,017
Germany	+75,456	Russia	+1,191
France	+50,470	Ukraine	+592
United Kingdom	+47,927	Poland	+570
Russia	+32,196	Mexico	+478
Poland	+29,076	India	+477
Turkey	+22,556	Germany	+389
Czechia	+22,042	Brazil	+283
Belgium	+20,409	Turkey	+196
Netherlands	+18,595	Vietnam	+196
+457,599		+6,389	
World	+705,526	World	+9,154
Top ten	65%	Top ten	70%



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

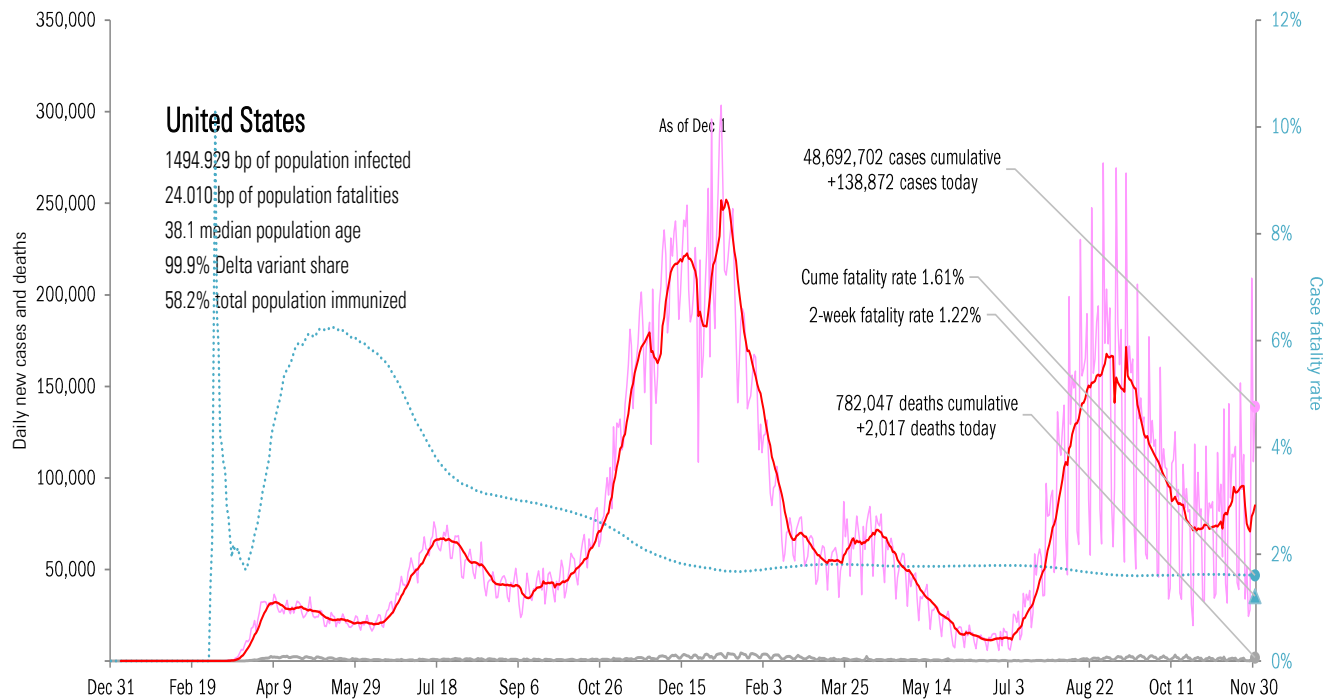
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+19,900		MI	+399		GA	+113		CA	5,087,907		CA	74,561		TX	384,886		RI	88%	RI	157%
NY	+9,373		TN	+155		PA	+62		TX	4,341,140		TX	73,928		FL	323,763		PA	86%	NM	93%
CH	+8,944		MN	+100		NJ	+59		FL	3,730,605		FL	61,495		CA	320,941		MA	85%	VT	89%
PA	+7,606		PA	+100		TX	+56		NY	2,738,968		NY	57,593		NY	173,107		MI	84%	TX	89%
IL	+6,119		TX	+100		IN	+55		IL	1,815,994		PA	33,521		GA	163,290		ND	83%	AL	89%
IN	+6,004		IA	+91		IA	+48		PA	1,744,526		GA	30,571		CH	135,883		NH	83%	MI	88%
WI	+5,446		CA	+88		IL	+44		CH	1,699,161		IL	28,892		PA	127,463		WA	82%	NE	87%
MA	+5,303		CO	+83		MO	+42		GA	1,666,110		NJ	28,409		KY	114,706		MN	82%	ID	87%
TX	+5,240		IN	+64		CH	+42		NC	1,537,044		CH	26,587		IL	111,151		MO	81%	PA	86%
CA	+4,445		GA	+61		NY	+29		MI	1,494,953		MI	25,798		MI	104,064		MD	81%	KY	86%
+78,380			+1,241			+550			25,856,408			441,355			1,959,254						
All states	+138,872			+2,017			+773		All states	48,692,702			782,047			3,522,912		All states	70%		67%
Top ten	56%			62%			71%		Top ten	53%			56%			56%		Median	77%		79%

Some states not reporting

Five most improved US states

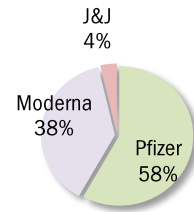
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MN	-9,059	CH	-104	NC	-59	UT	+40 bp
FL	-6,561	WY	-81	CA	-53	MP	+30 bp
WA	-1,396	IN	-55	MI	-43	CO	+20 bp
TX	-1,351	WA	-46	MN	-41	MS	+20 bp
WI	-466	MO	-41	ME	-25	SD	+20 bp



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	474,841,185	+1.523 million	US	58.2%	69.5%
Boosters	84,441,186	+1.629 million	UK	68.0%	74.8%
	One dose	% Pop	Immune	% pop	New immune today
Total population	239,430,159	72%	202,440,651	60%	+0.308 million
Age 12 to 17	14,674,451	61%	12,279,539	51%	+0.016 million
Age 18 to 64	162,586,320	80%	139,950,635	69%	+0.132 million
Age 65 and over	56,869,945	100%	48,932,980	89%	+0.025 million



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



Every American >18 immunized in **83 days** by Feb 21, 2022
 73.0% of population >18 immunized
 17.1% previously tested positive
90.1% vs 60% adult herd immunity

France	69.8%	76.9%
Spain	80.5%	82.1%
Germany	68.1%	70.9%
Italy	73.0%	78.3%
Australia	73.1%	77.7%
Israel	62.2%	68.3%
Canada	76.3%	80.2%
Japan	77.3%	79.2%
Africa	7.3%	11.1%
India	32.6%	56.8%
Brazil	62.9%	76.7%
China	76.9%	84.8%

Global data differs due to sources, timing

AK
62.9%
54.3%

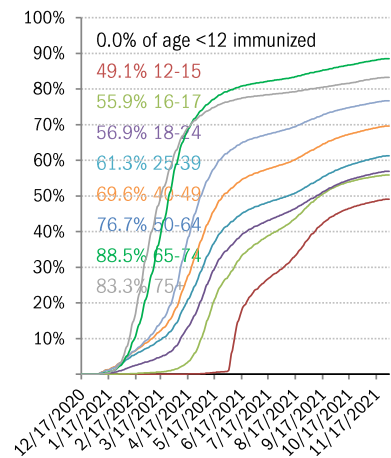
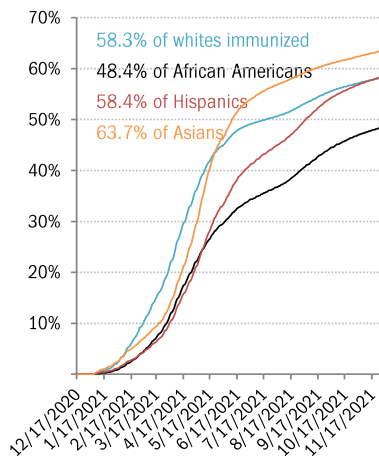
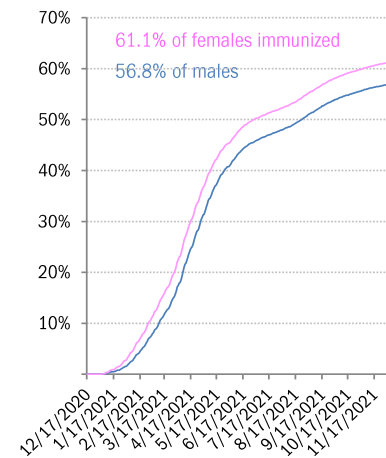
WI
65.9%
59.6%

As of Dec 1

ME
82.1%
72.4%

WA: 73.0% / 65.2%	ID: 50.8% / 45.3%	MT: 59.9% / 51.9%	ND: 58.1% / 48.9%	MN: 69.1% / 62.6%	IL: 69.6% / 61.8%	MI: 61.3% / 54.7%	NY: 78.4% / 68.6%	VT: 85.5% / 73.0%	NH: 87.9% / 64.8%	
OR: 71.5% / 64.1%	NV: 66.5% / 54.6%	WY: 53.8% / 45.6%	SD: 67.2% / 54.8%	IA: 62.7% / 56.8%	IN: 55.7% / 50.6%	OH: 58.5% / 53.1%	PA: 81.8% / 58.5%	NJ: 79.3% / 67.9%	MA: 85.9% / 71.3%	
CA: 78.9% / 63.3%	UT: 64.9% / 55.7%	CO: 71.6% / 63.4%	NE: 64.1% / 57.4%	MO: 59.8% / 51.0%	KY: 60.3% / 52.2%	WV: 53.9% / 41.5%	VA: 75.7% / 65.0%	MD: 77.1% / 67.7%	CT: 84.2% / 72.1%	RI: 83.4% / 72.7%
	AZ: 64.4% / 54.7%	NM: 76.7% / 63.6%	KS: 66.3% / 54.7%	AR: 60.6% / 49.4%	TN: 56.9% / 49.6%	NC: 70.4% / 54.3%	SC: 60.3% / 51.5%	DC: 81.8% / 64.6%	DE: 73.1% / 61.6%	
			OK: 62.9% / 51.6%	LA: 55.7% / 48.9%	MS: 54.0% / 47.1%	AL: 56.6% / 46.2%	GA: 59.1% / 49.7%			
			TX: 64.2% / 54.8%					FL: 71.9% / 61.5%		PR: 84.9% / 74.1%

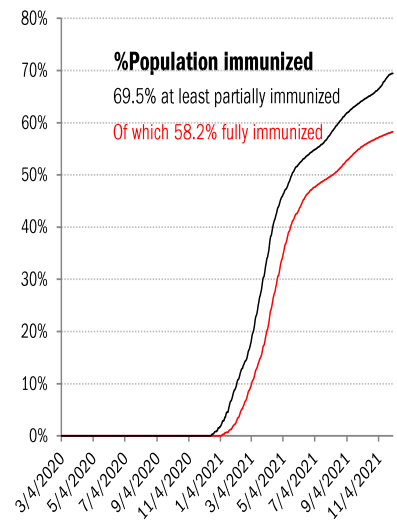
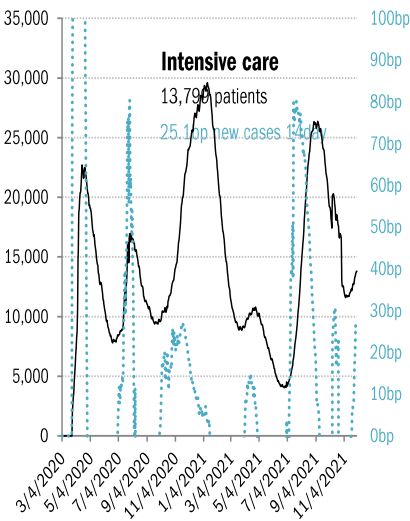
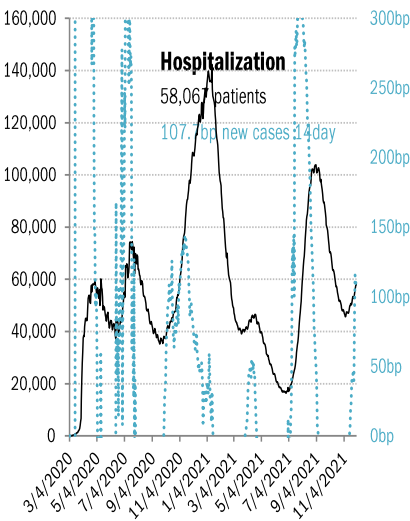
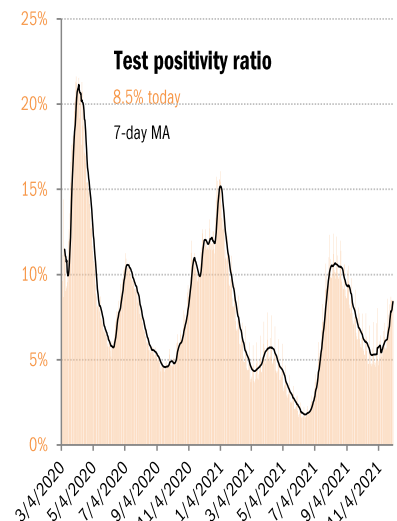
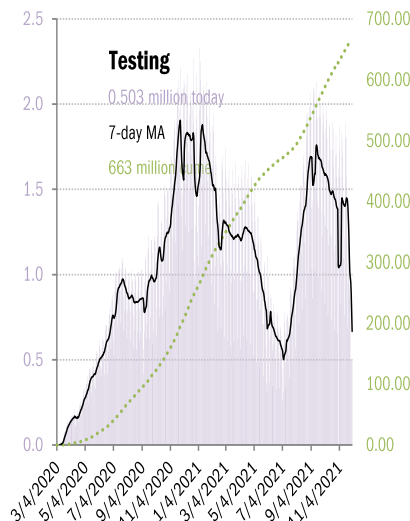
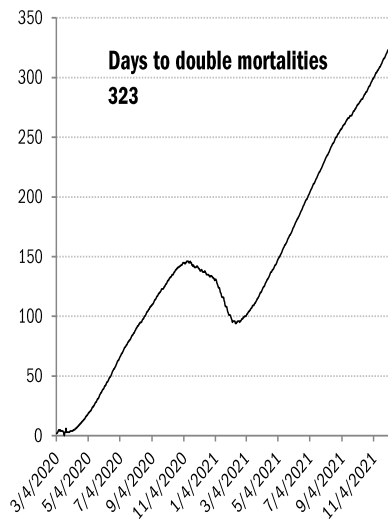
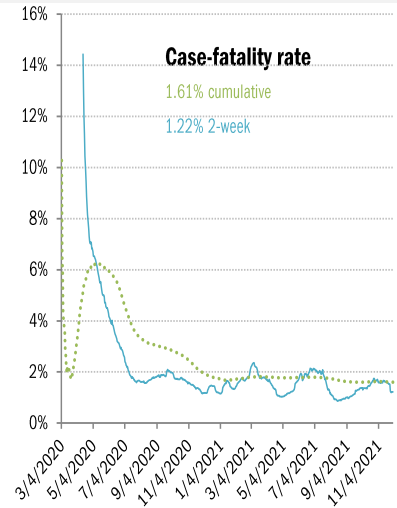
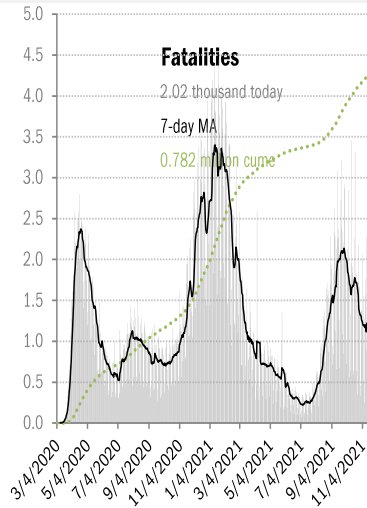
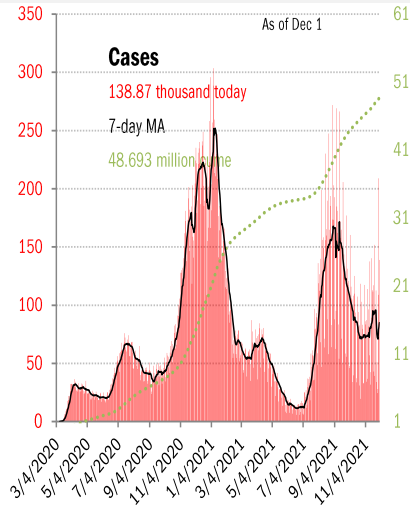
The demographics of US vaccination



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

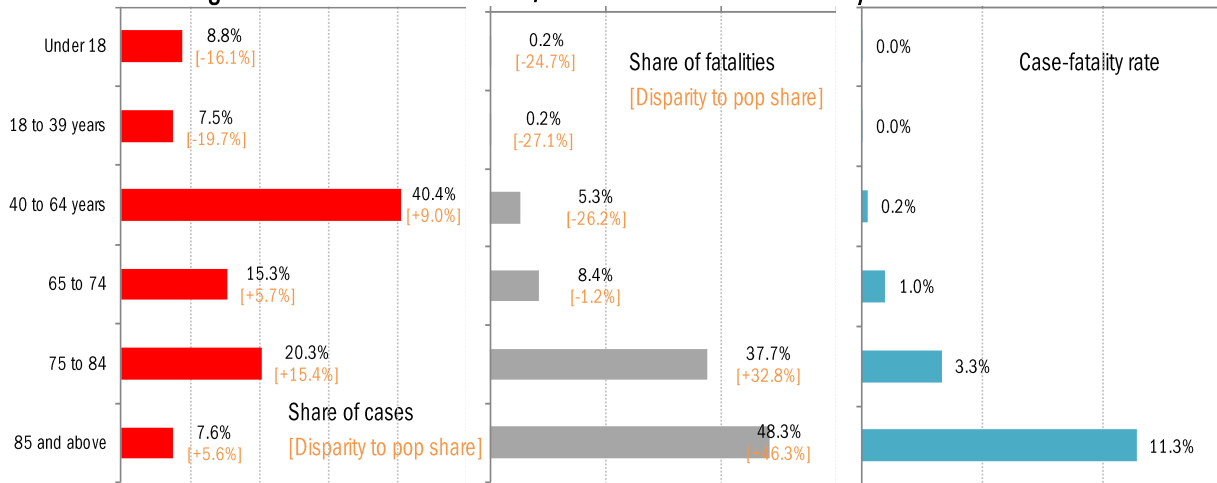
US deep-dive

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

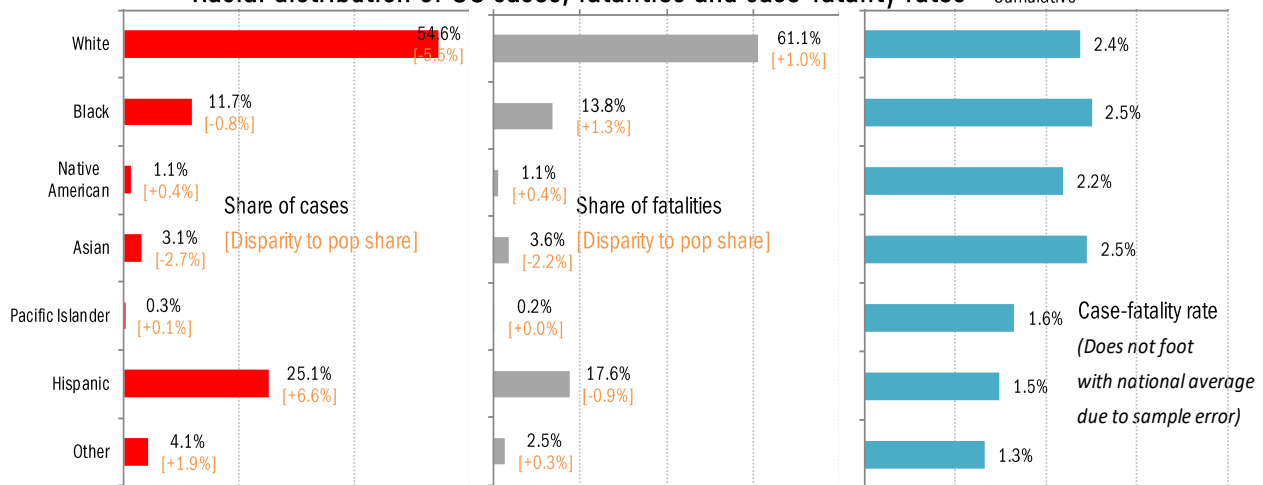


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

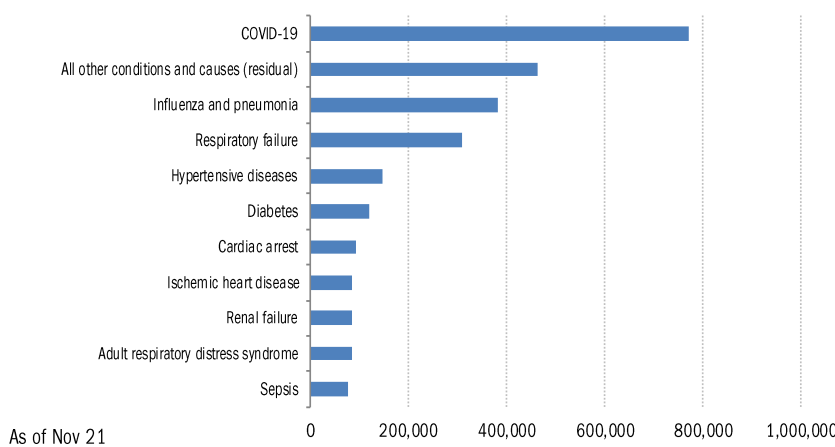


Racial distribution of US cases, fatalities and case-fatality rates



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.

Recommended reading

[First Confirmed Case of Omicron Variant Detected in the United States](#)

CDC

December 1, 2021

[Trump Tested Positive for Virus Days Before Debate, 2 Ex-Officials Say](#)

Maggie Haberman

New York Times

December 1, 2021

[The Trump and Biden Covid Scorecards: Another Look](#)

Paul Mirengoff

Power Line Blog

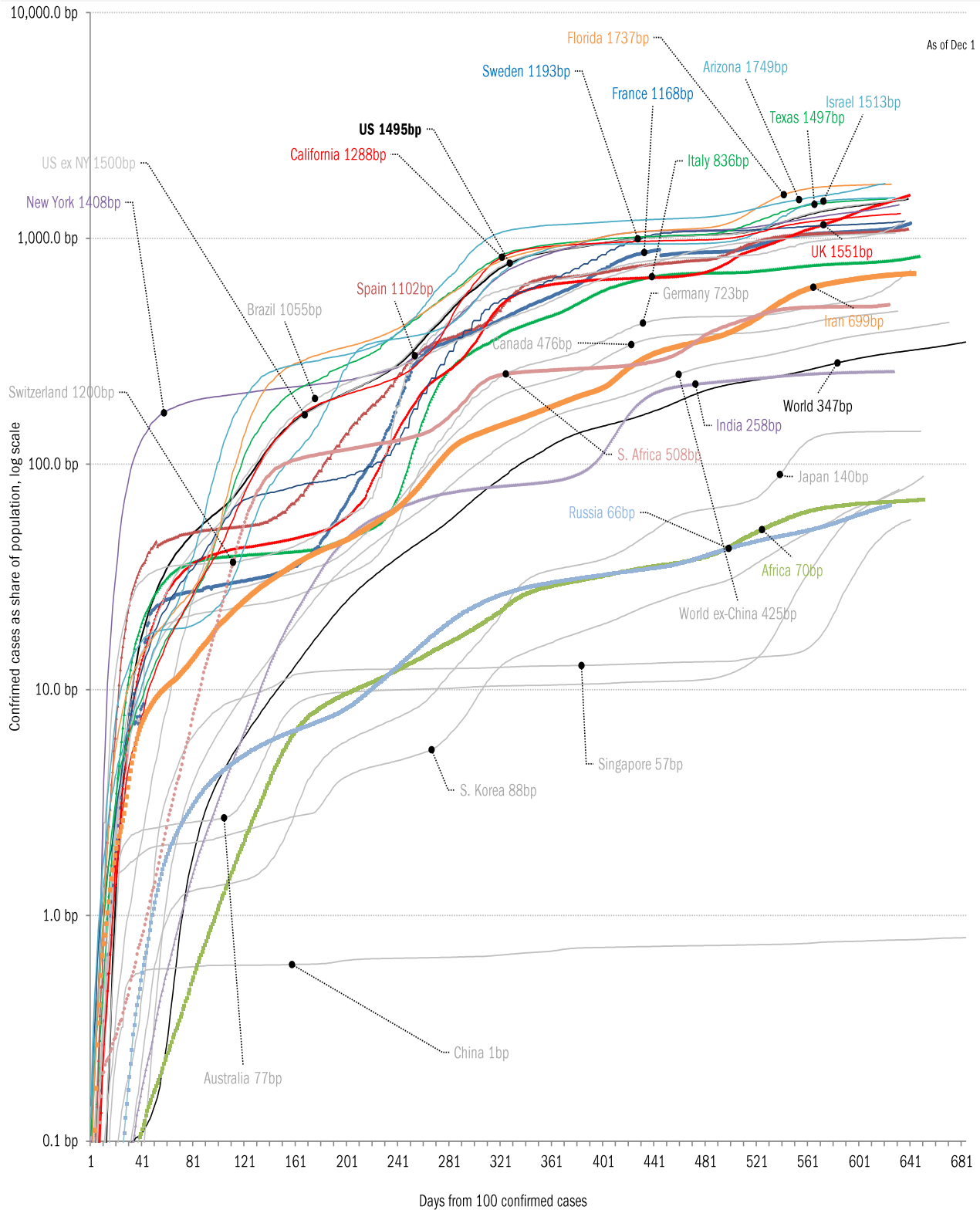
November 30, 2021

Meme of the day



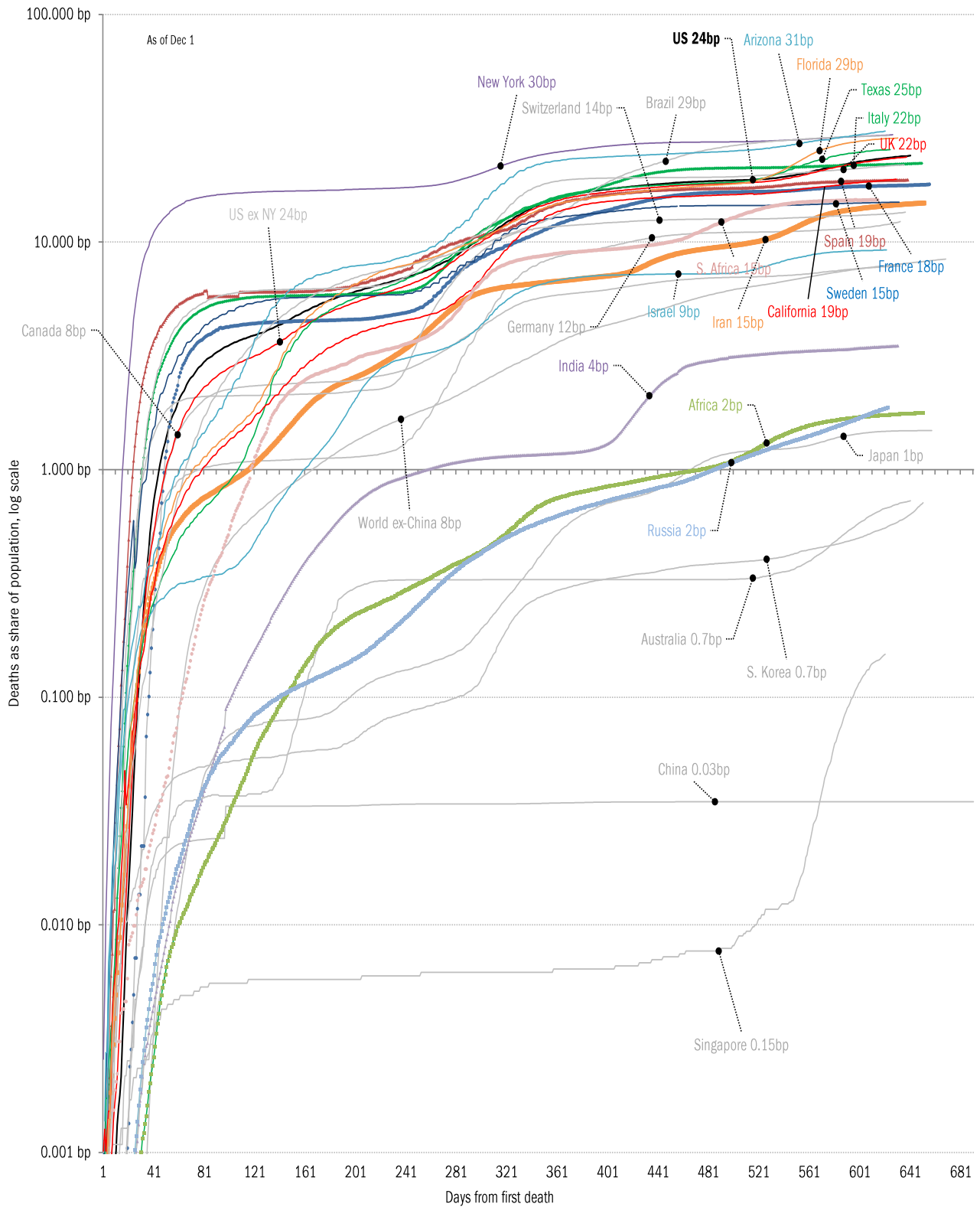
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

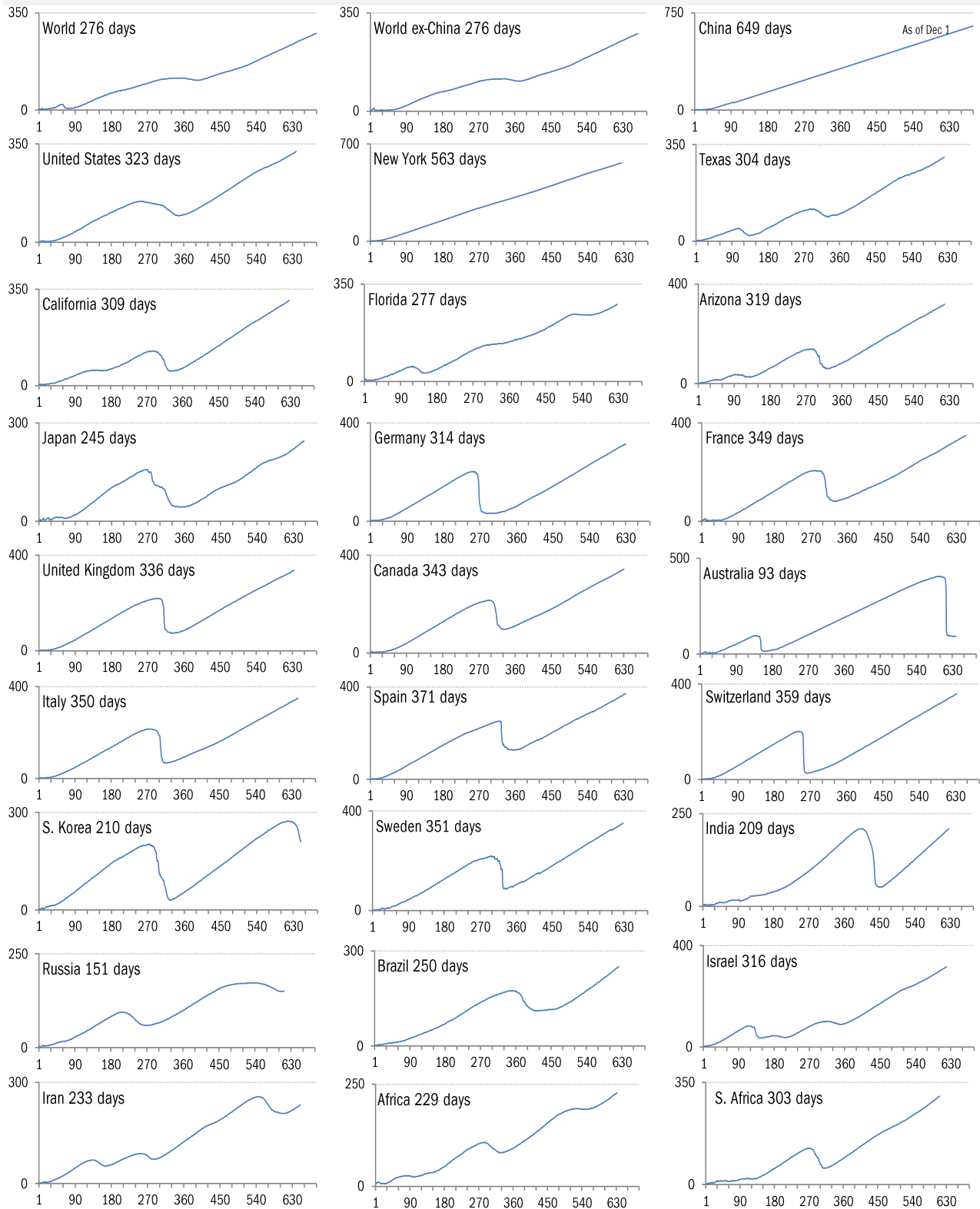


Source: [Johns Hopkins](#), TrendMacro calculations

"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

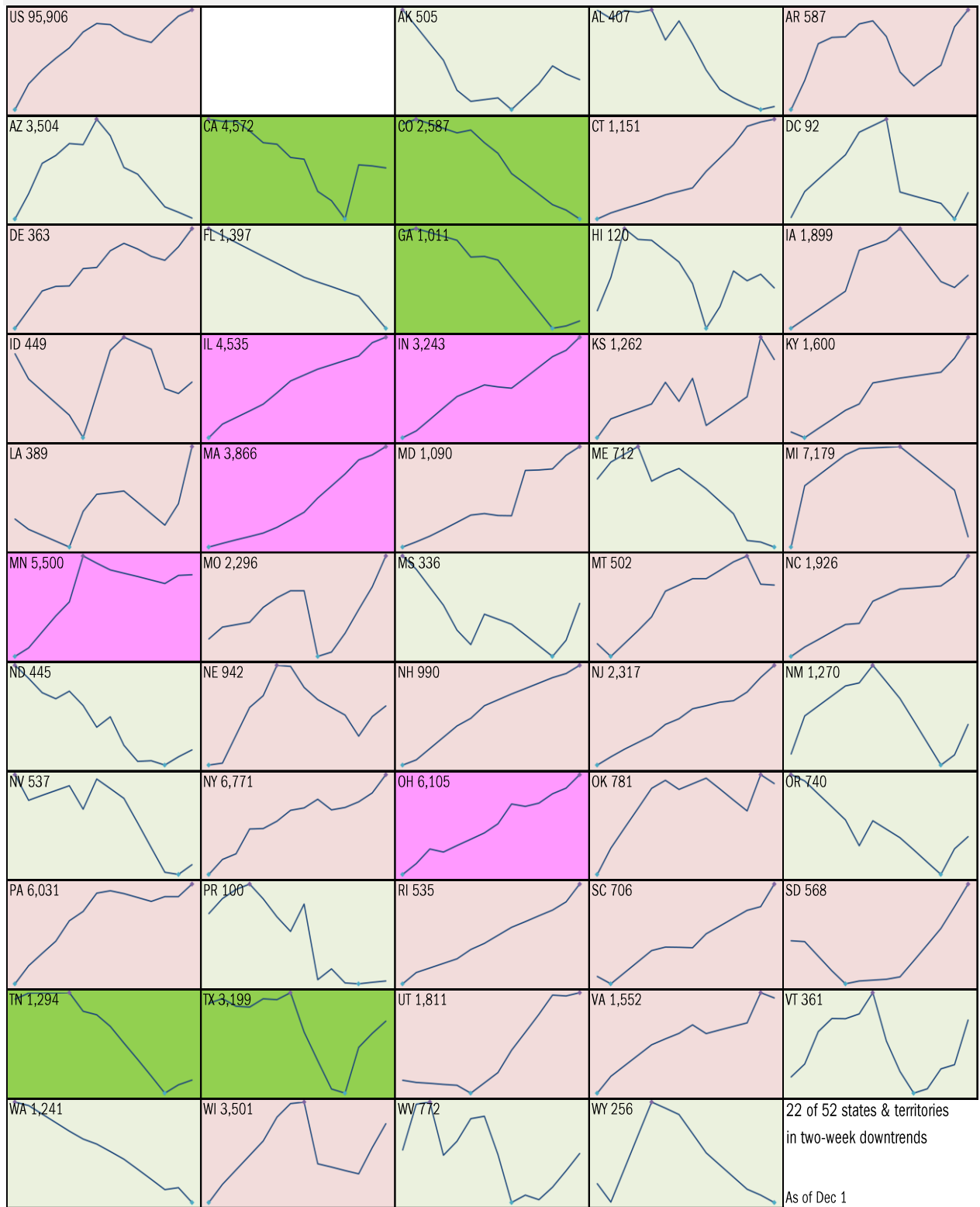


Source: [Johns Hopkins](#), TrendMacro calculations

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

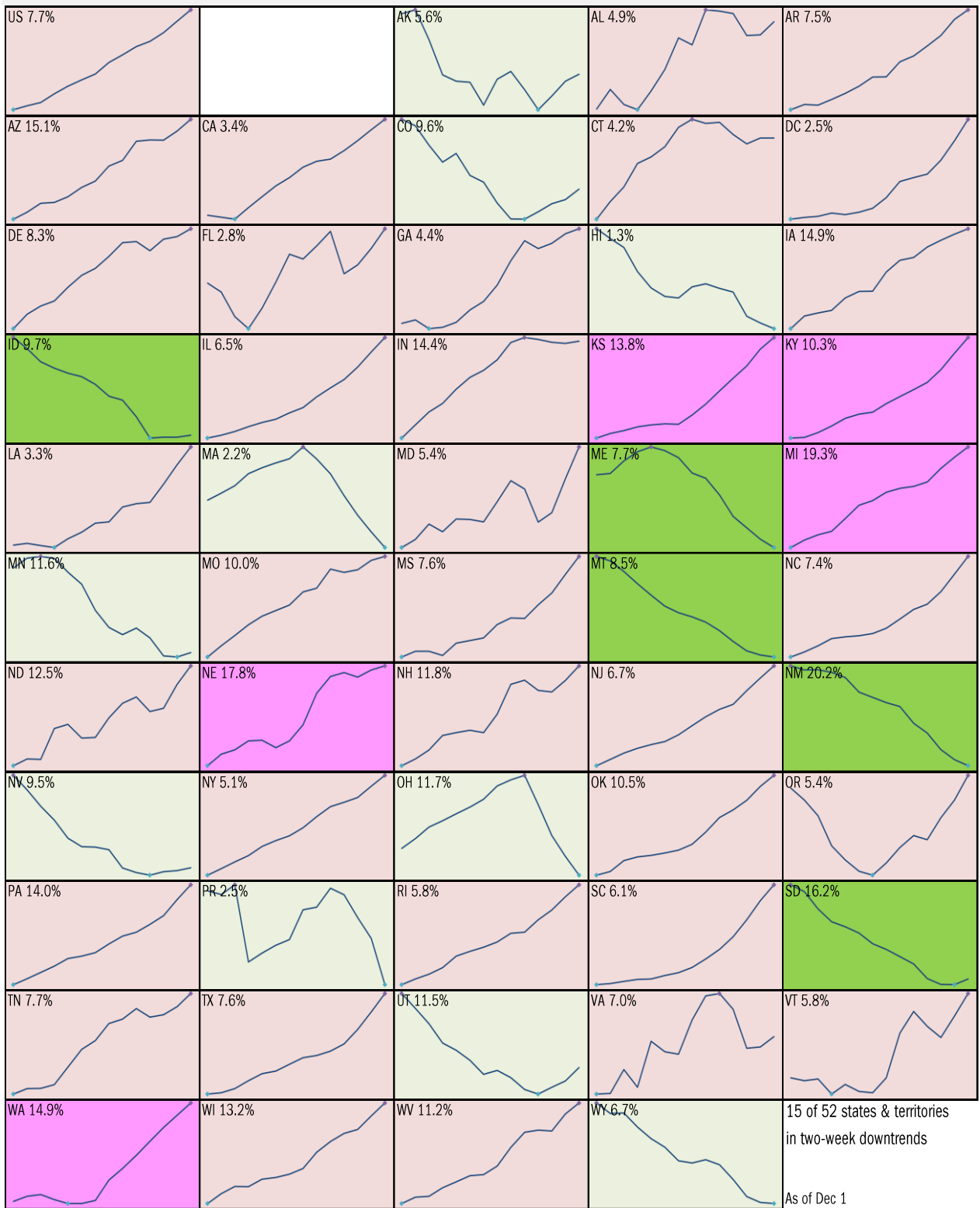


Source: [Johns Hopkins](#), TrendMacro calculations

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

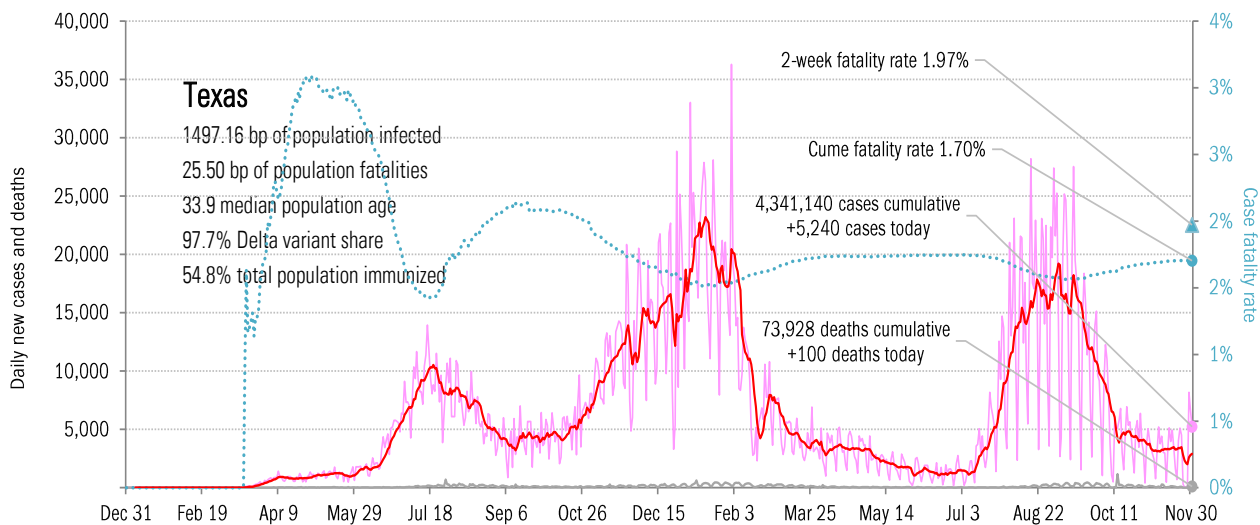
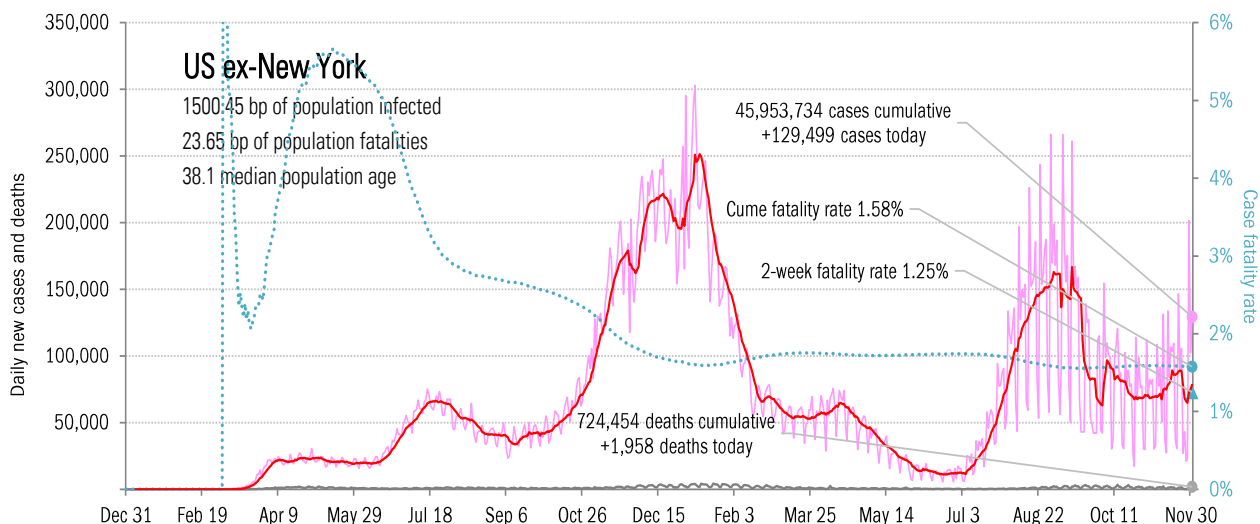
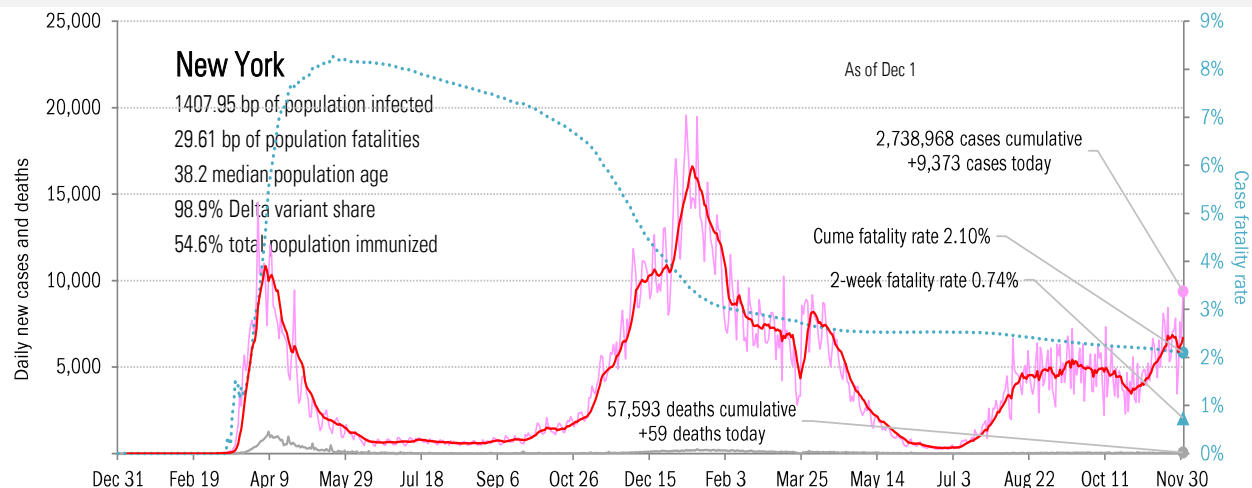
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

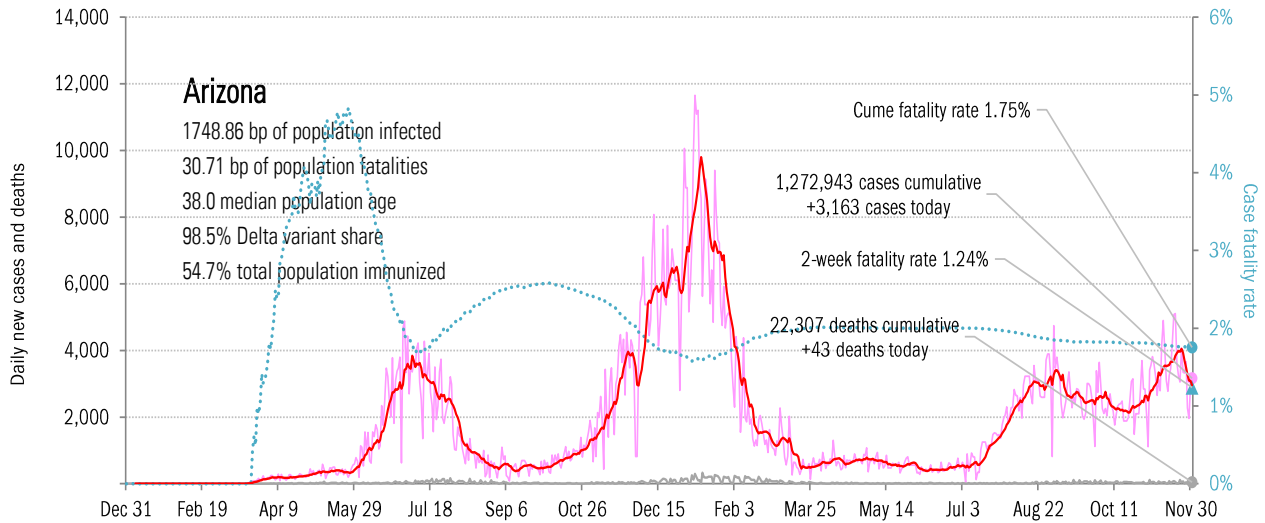
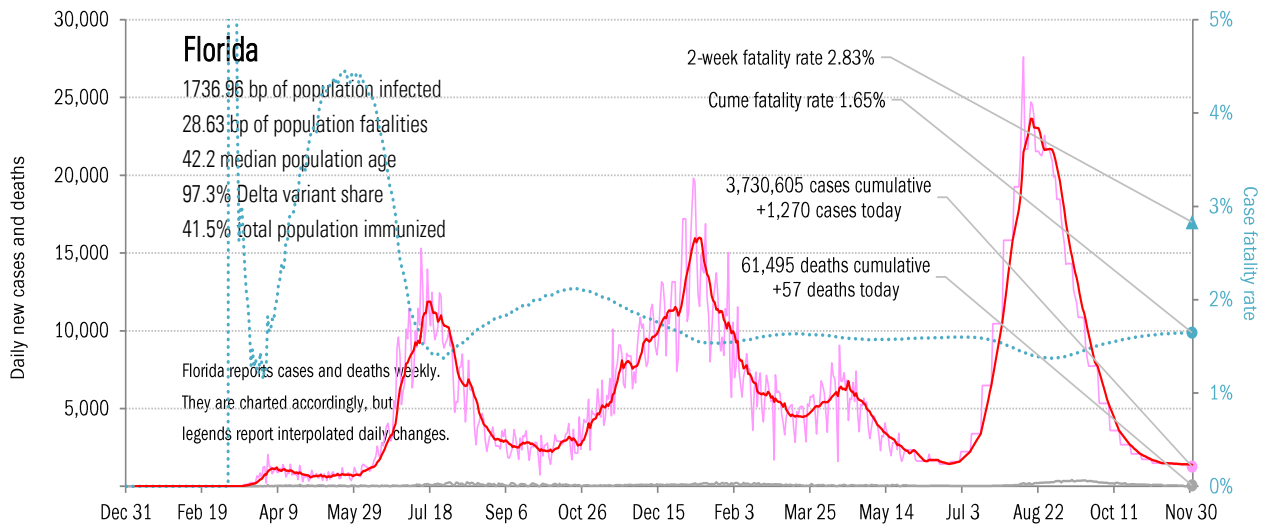
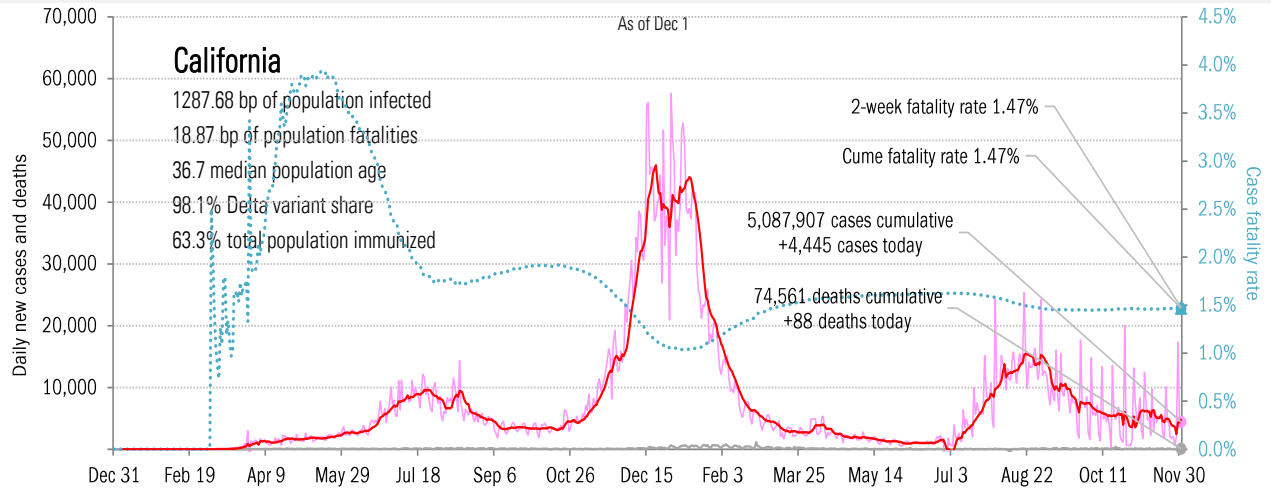
Cases: 7-day average and daily Deaths: Daily



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

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

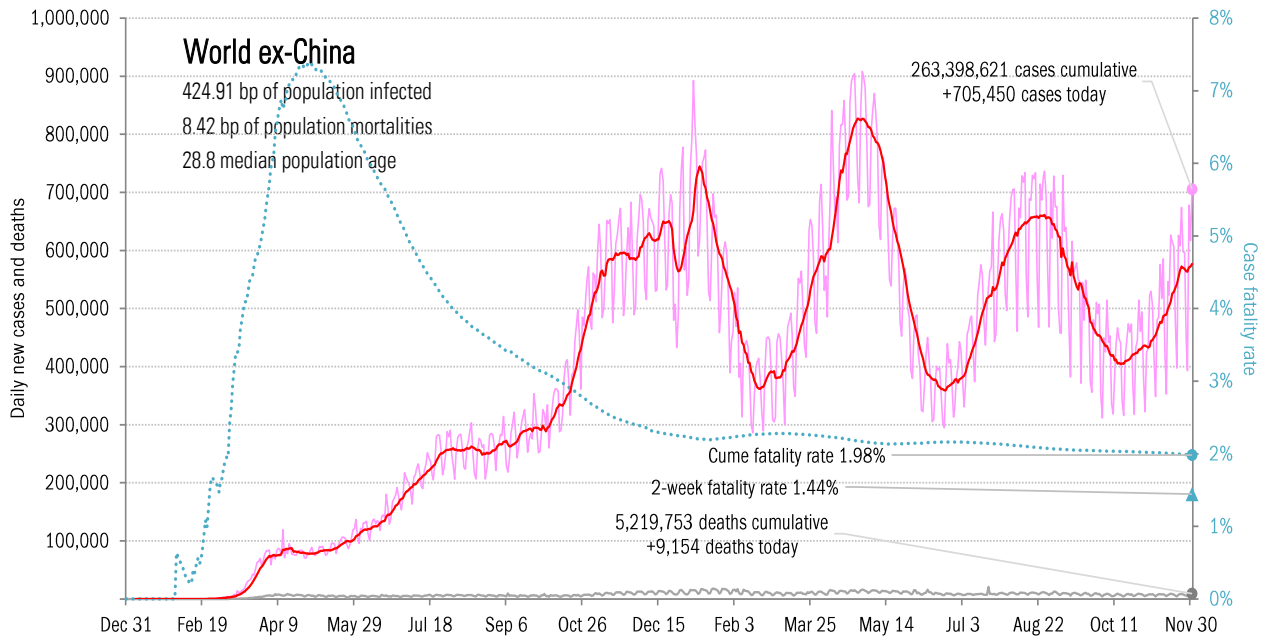
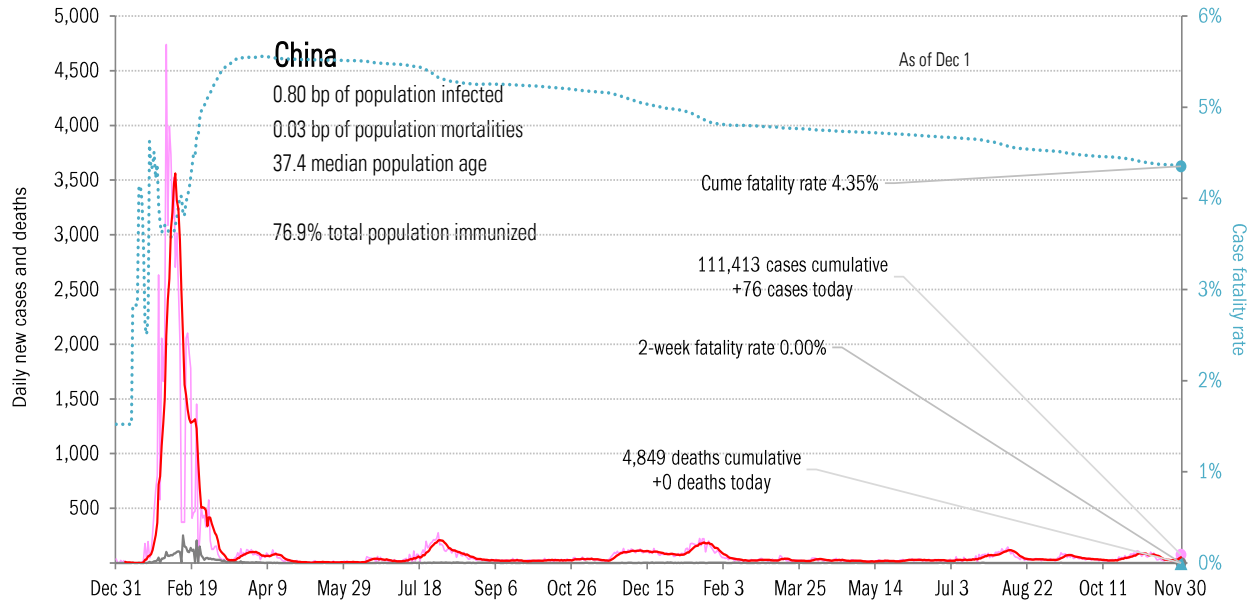
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

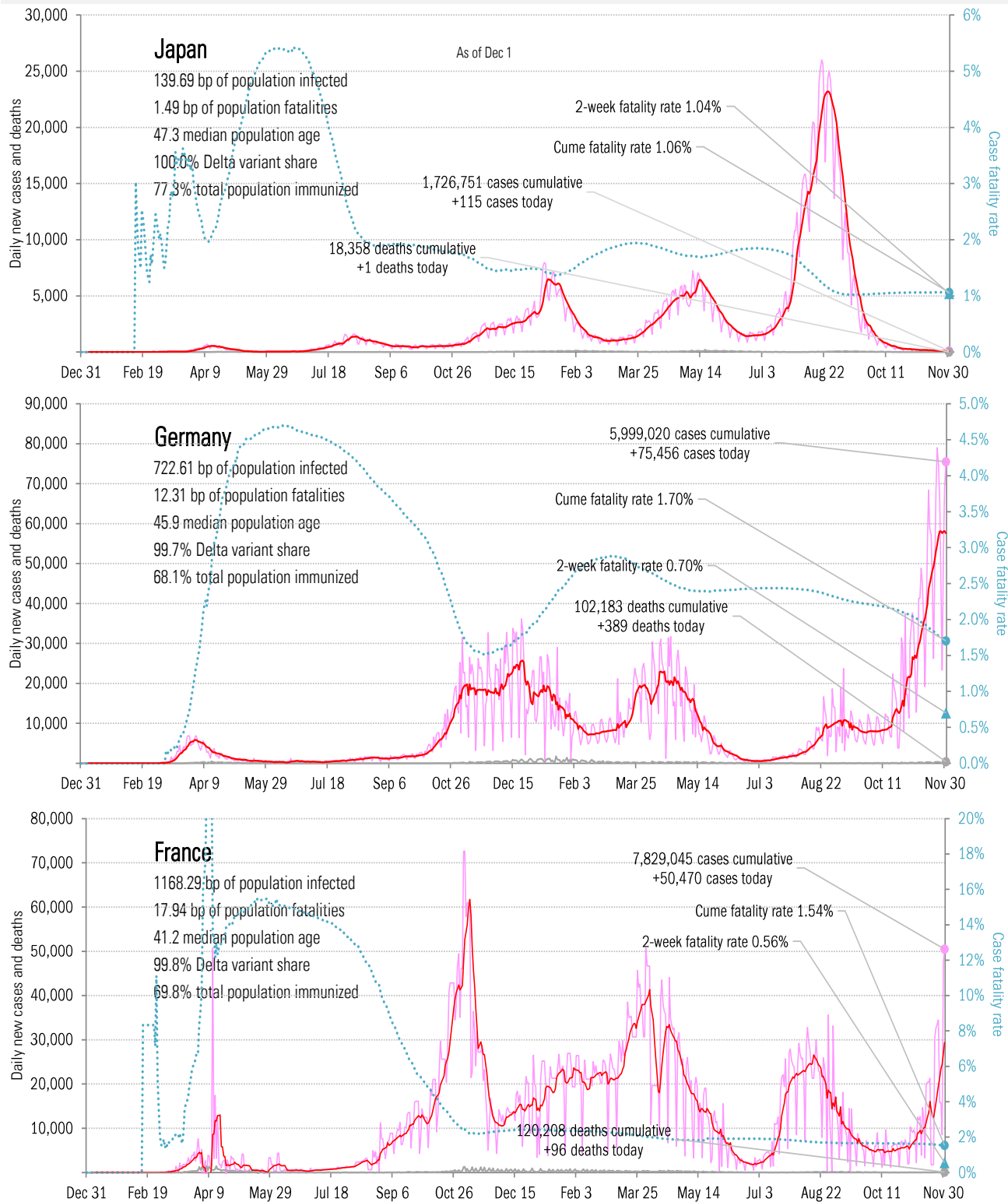
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

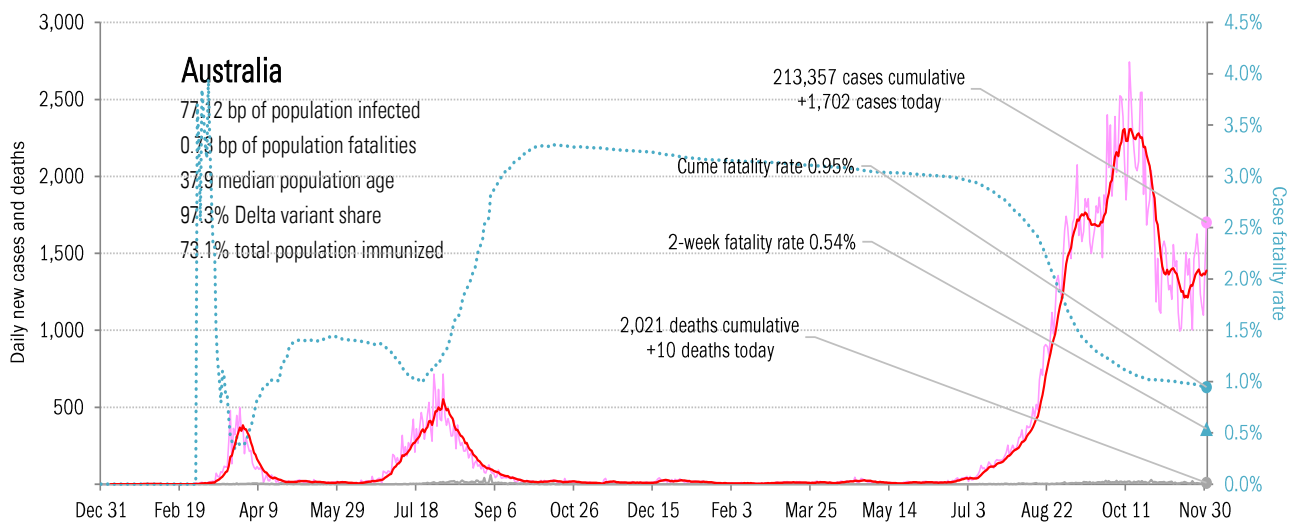
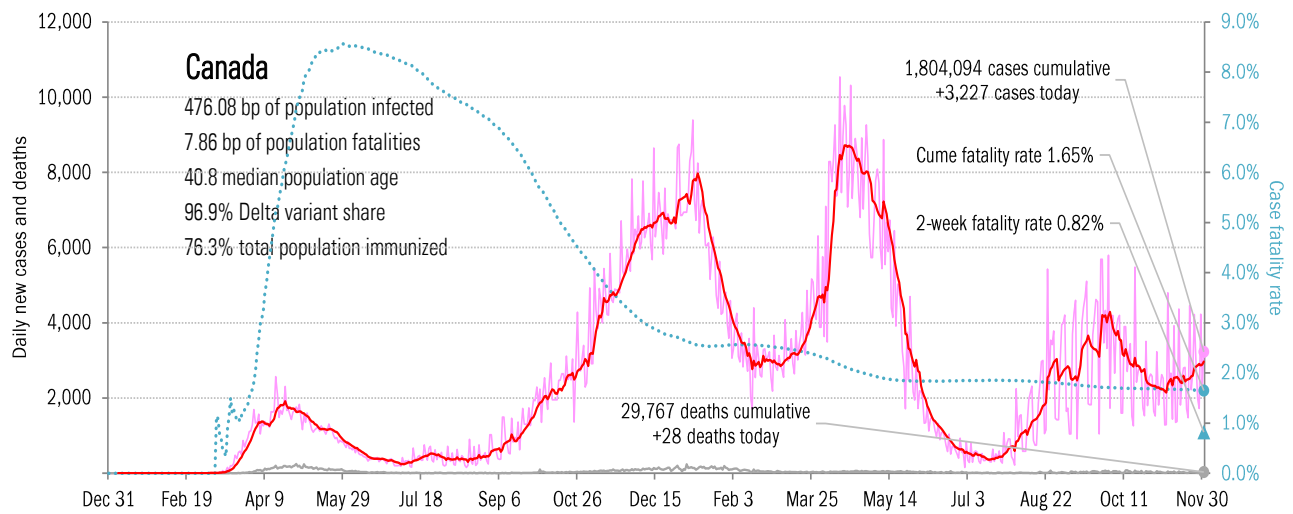
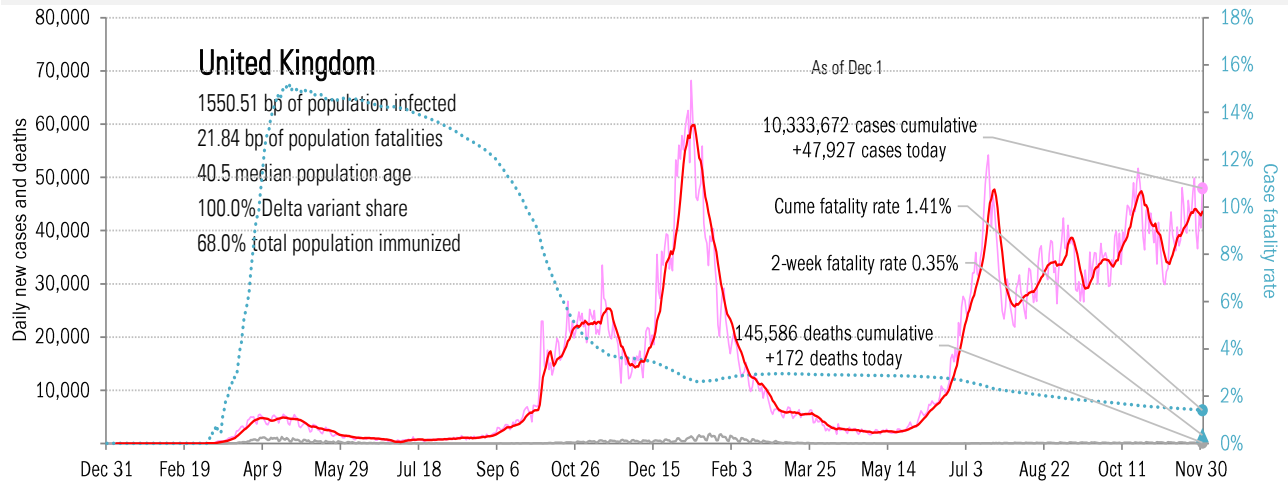
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

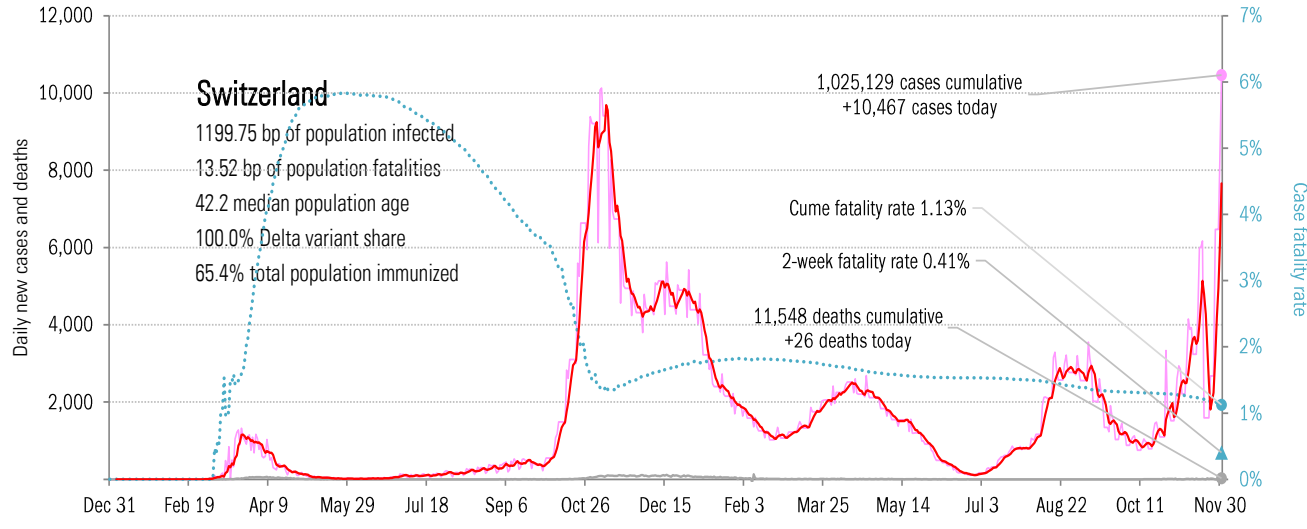
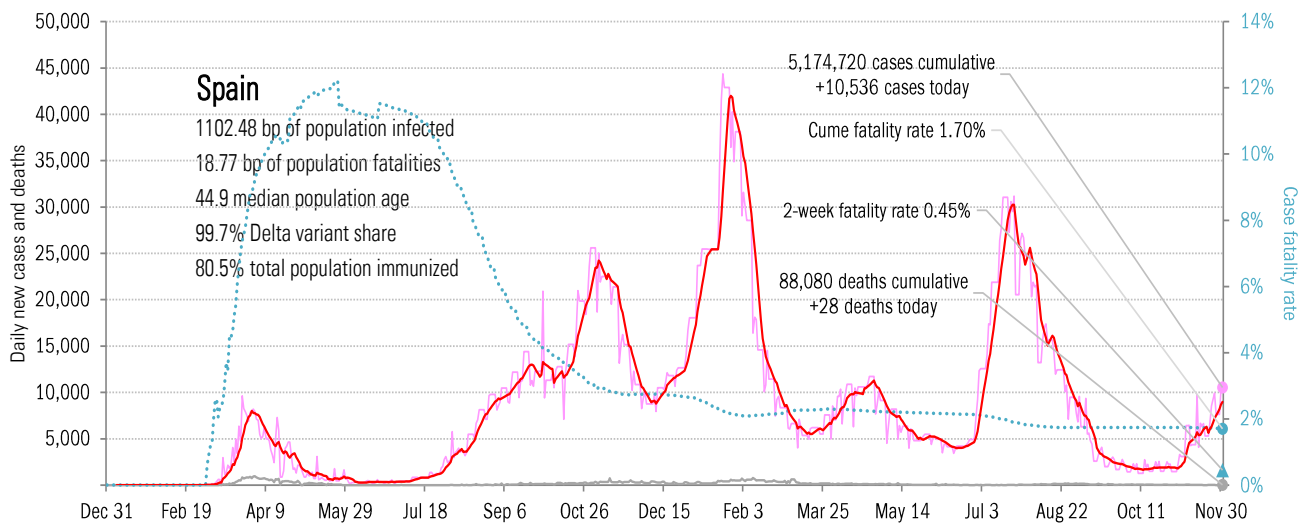
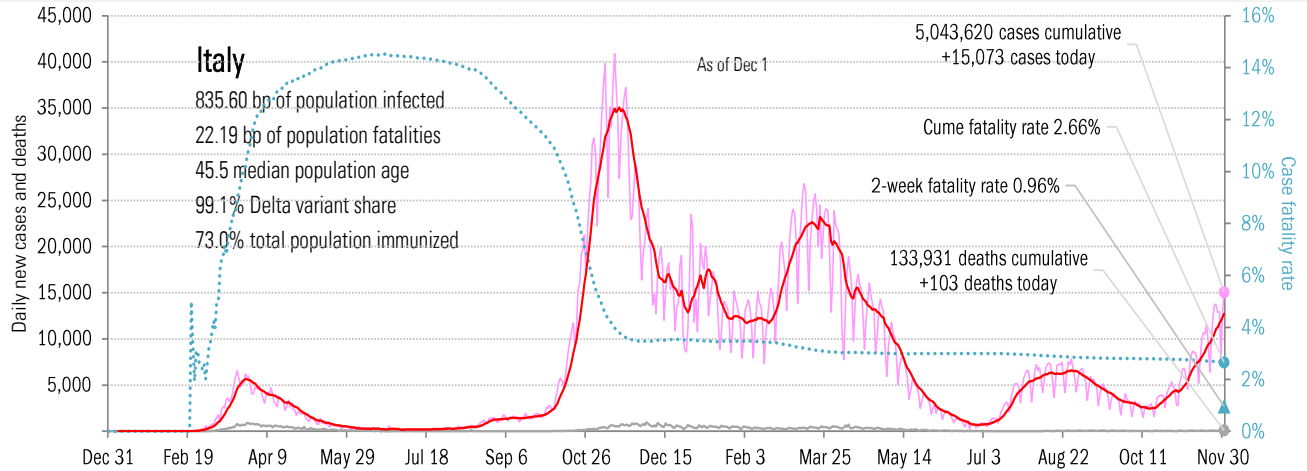
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

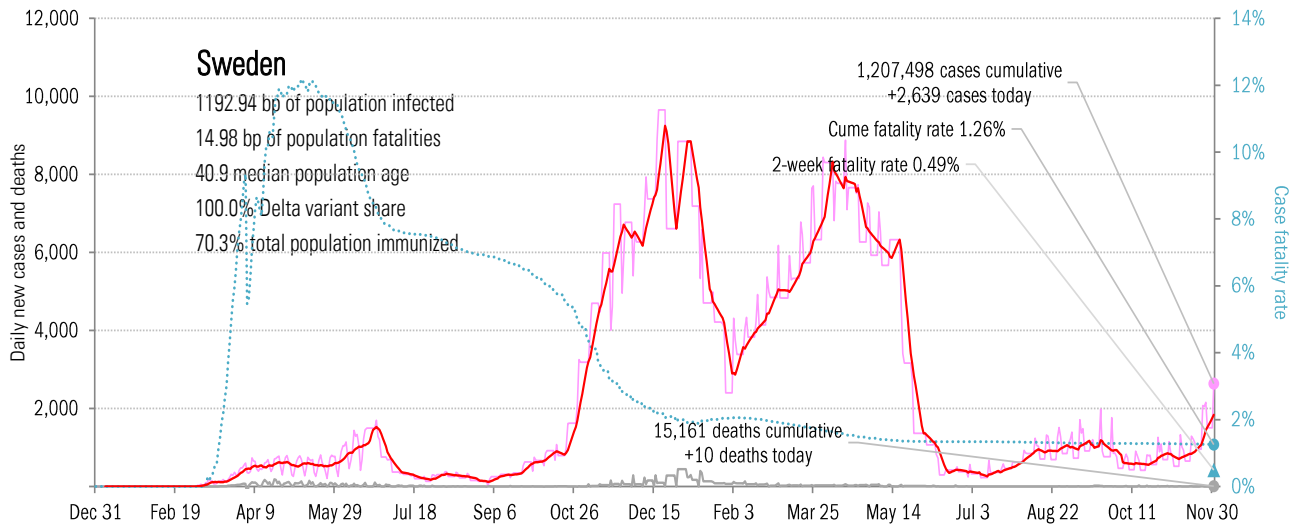
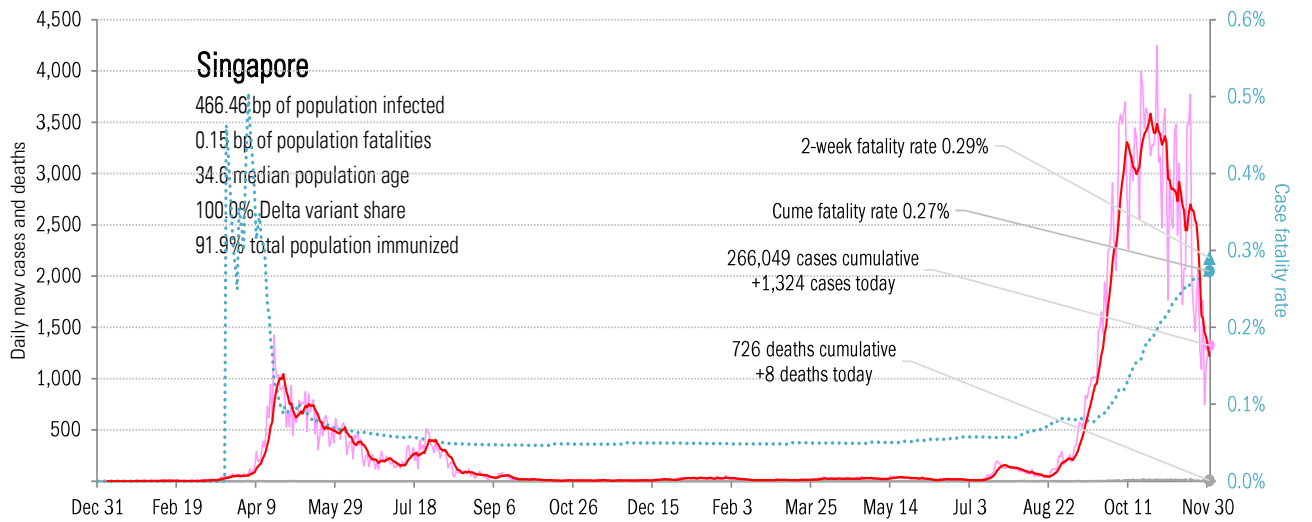
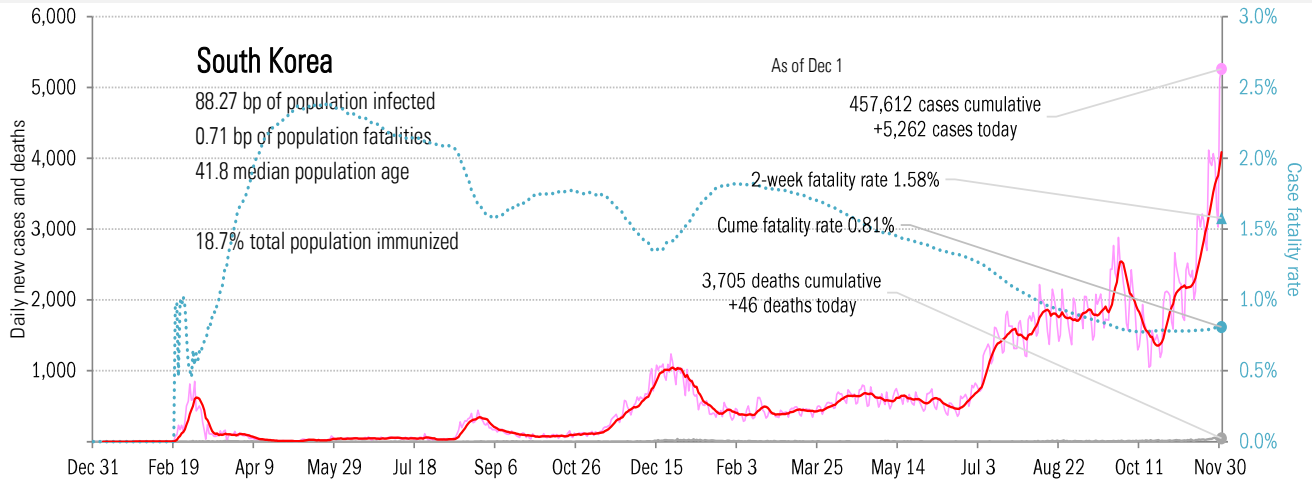
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

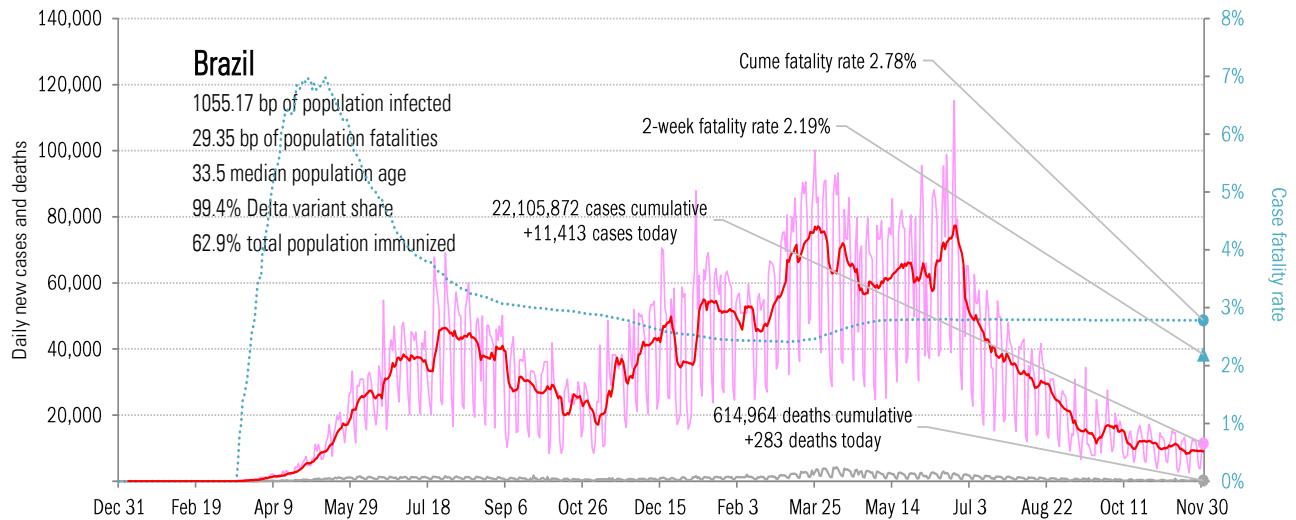
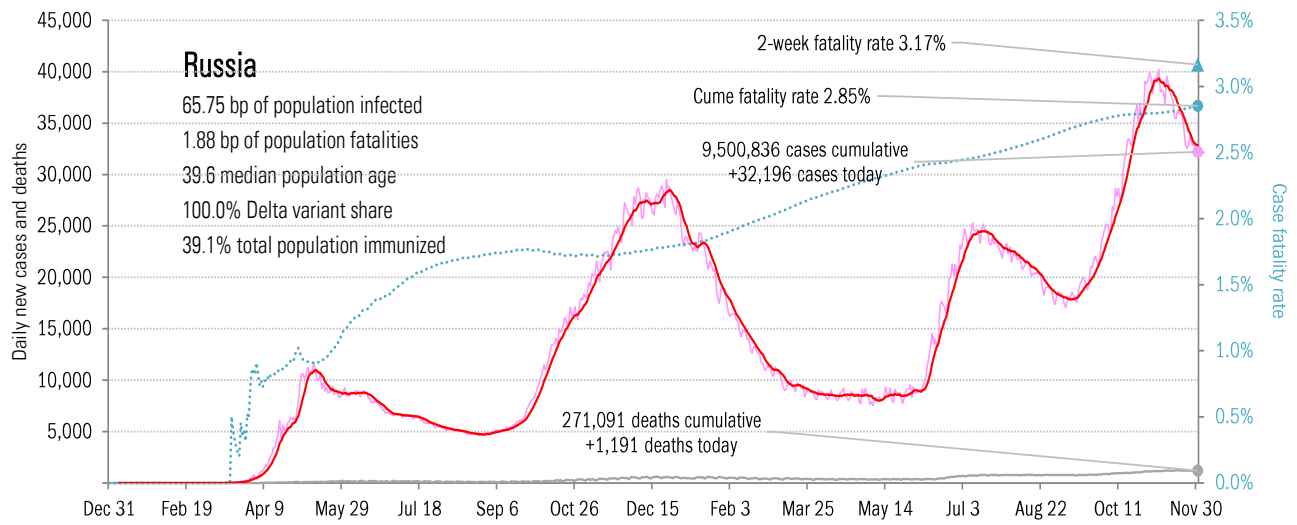
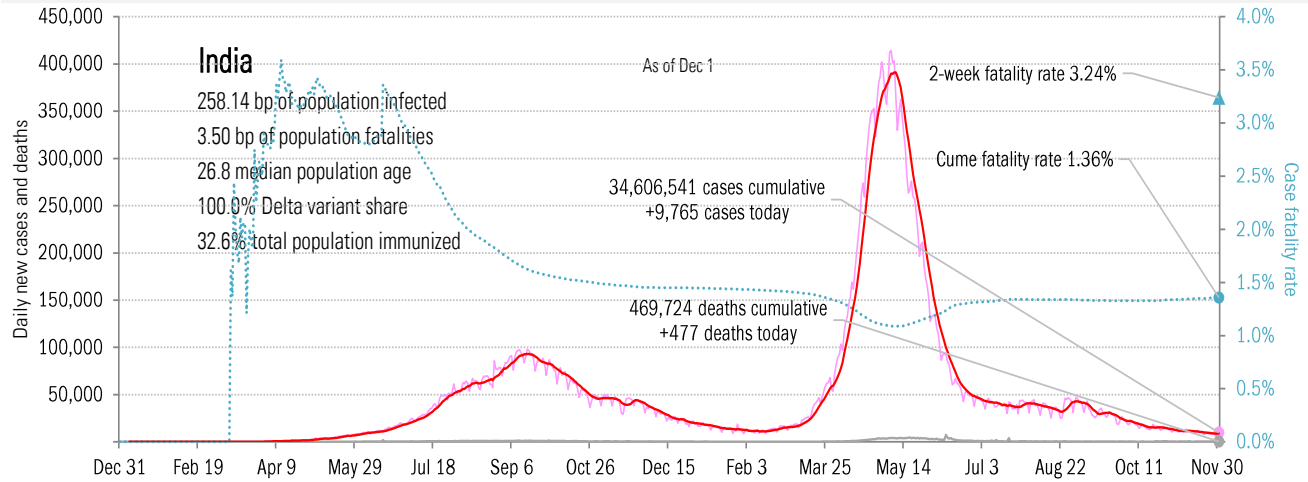
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

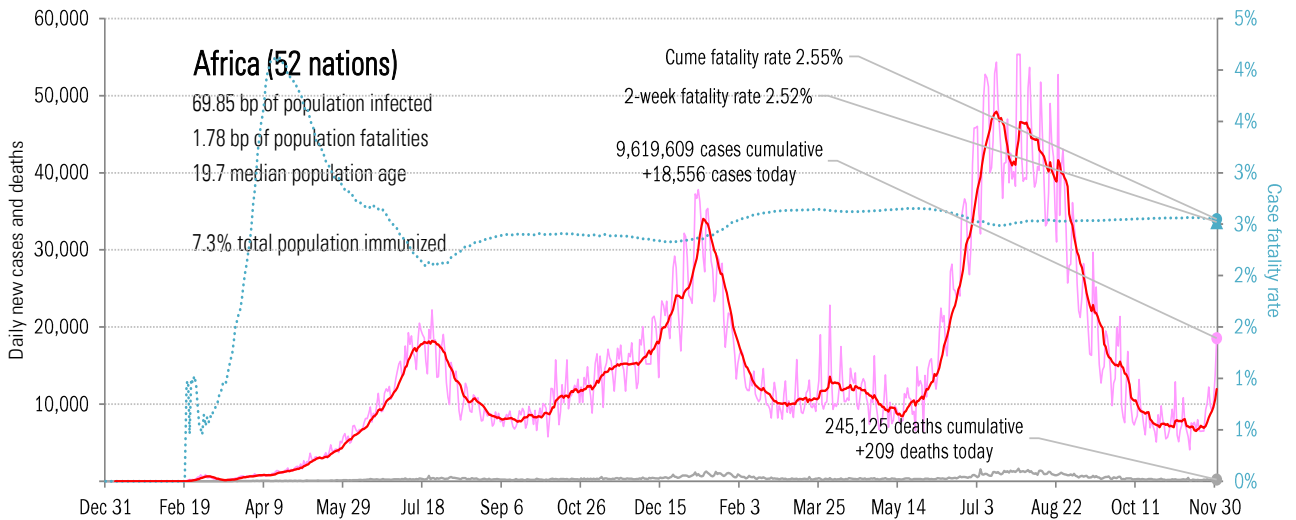
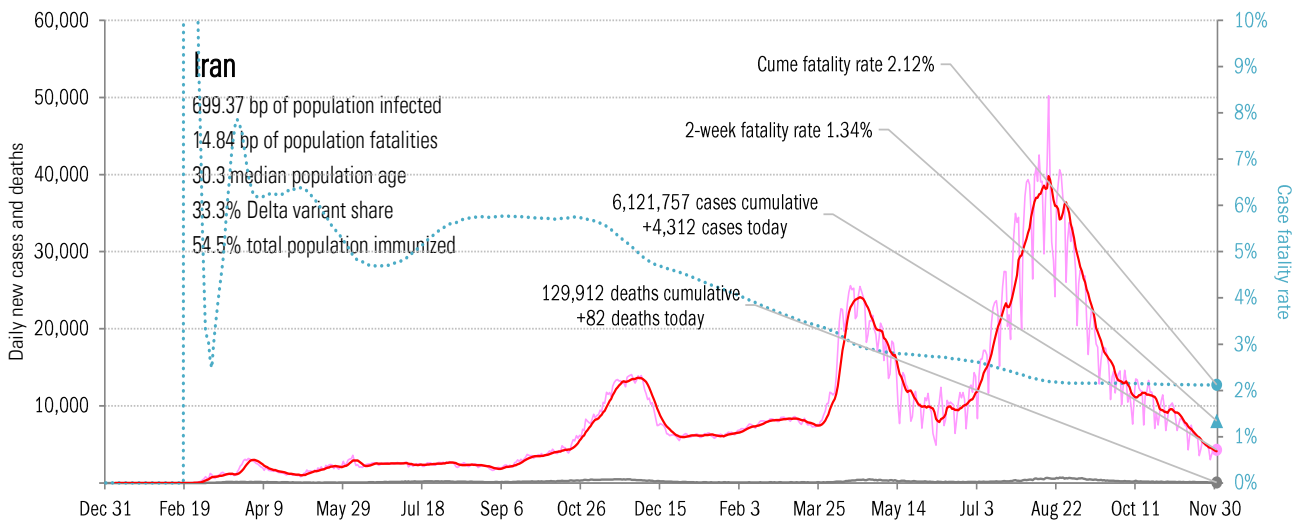
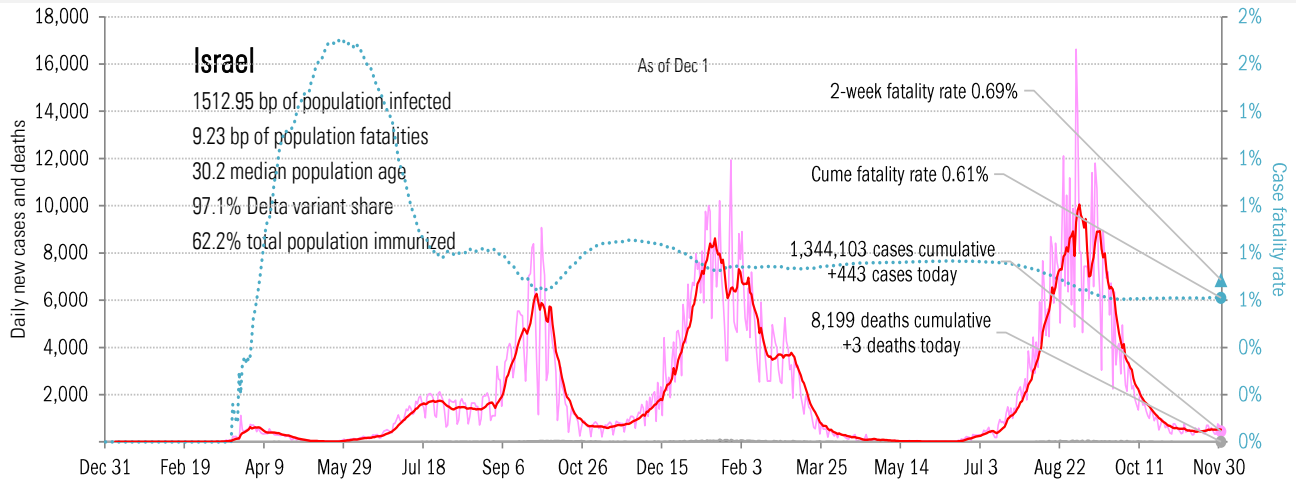
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

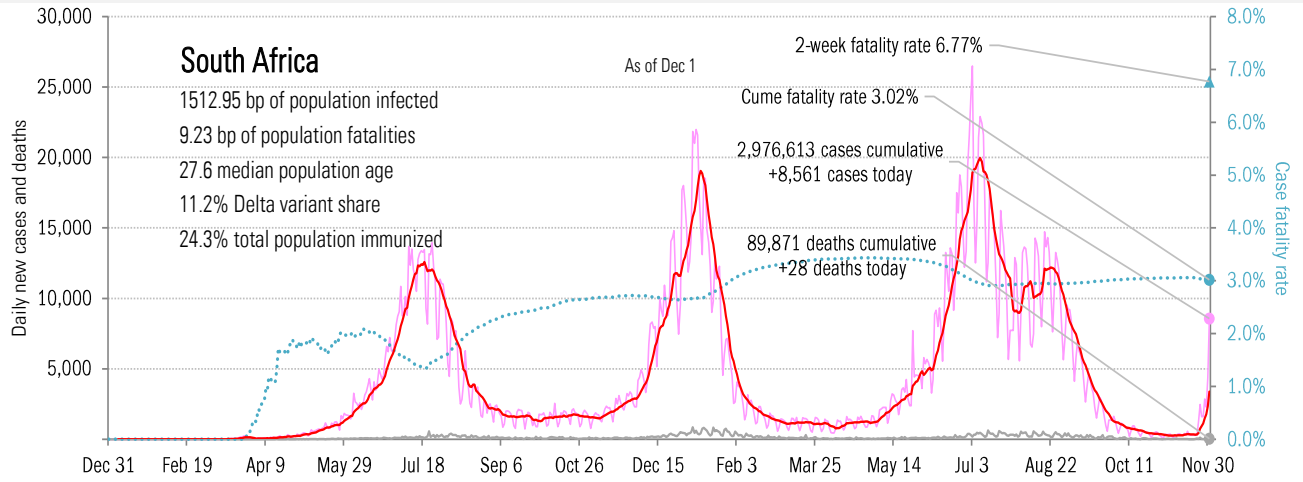
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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