

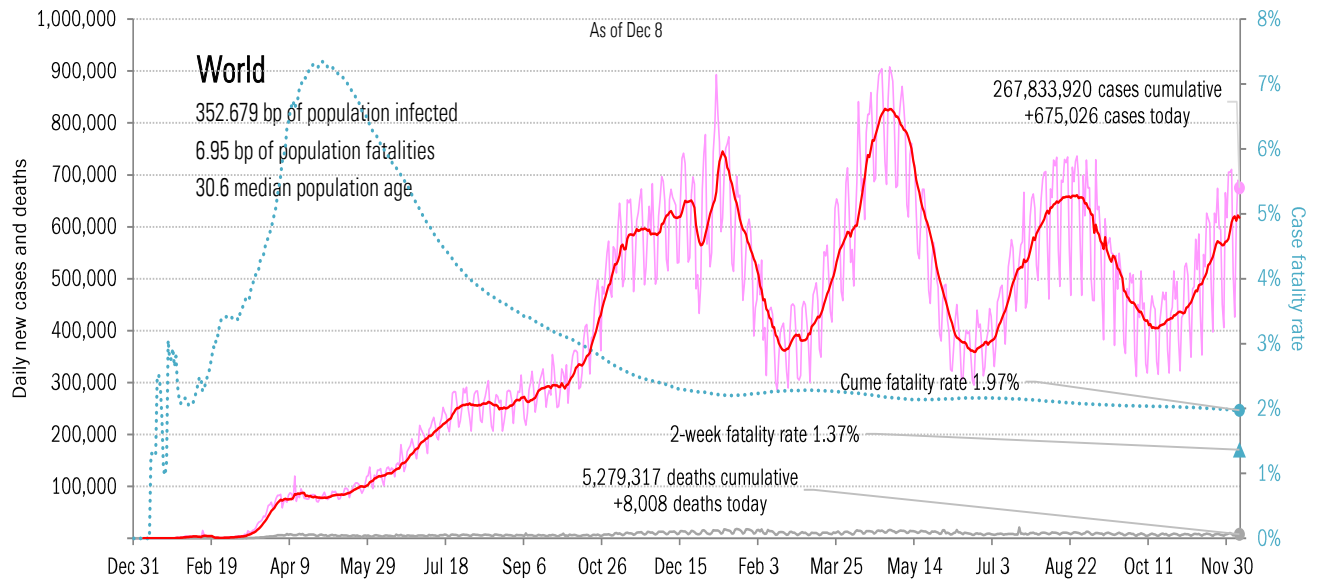
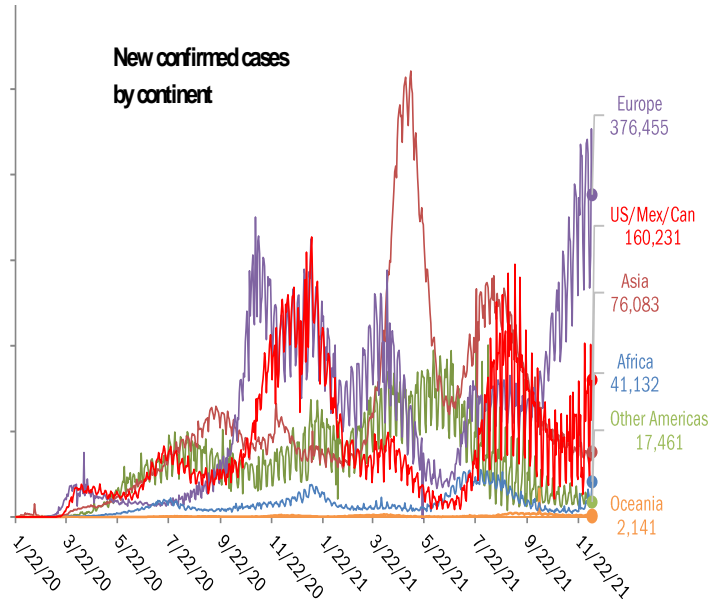
Data Insights: Covid-2019 Monitor

Thursday, December 9, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+153,262	United States	+1,748
France	+61,358	Russia	+1,149
United Kingdom	+51,003	Poland	+591
Russia	+30,228	Ukraine	+480
Poland	+28,549	Mexico	+289
Germany	+27,482	Philippines	+262
Turkey	+20,874	Brazil	+233
South Africa	+19,842	Vietnam	+230
Czechia	+19,546	Hungary	+213
Belgium	+18,714	Turkey	+192
+430,858		+5,387	
World	+675,026	World	+8,008
Top ten	64%	Top ten	67%



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

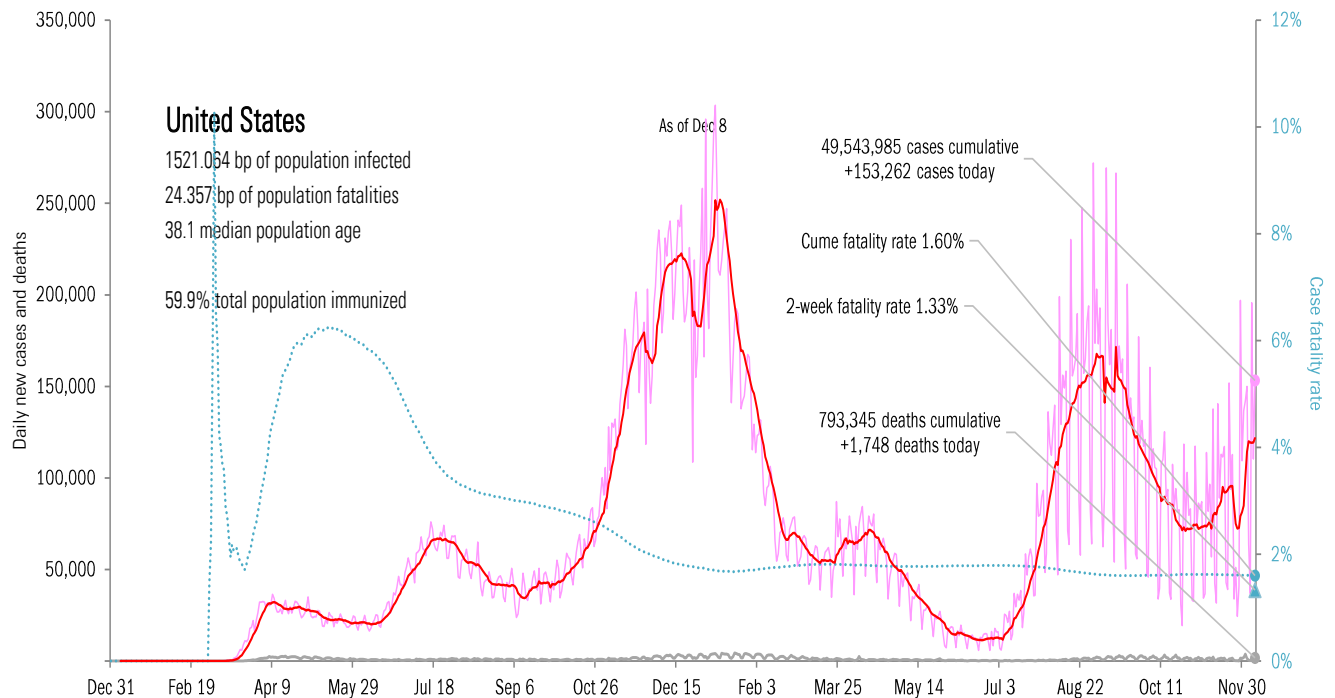
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+18,643		MI	+409		GA	+138		CA	5,138,995		CA	75,080		TX	387,624		PA	87%	KY	92%
WI	+14,501		CA	+127		NJ	+89		TX	4,366,341		TX	74,370		FL	325,046		RI	86%	RI	92%
CA	+10,270		WI	+126		IN	+77		FL	3,746,096		FL	61,906		CA	323,556		MA	86%	TX	90%
NY	+9,466		TX	+92		IL	+71		NY	2,806,456		NY	57,934		NY	176,269		MI	85%	NM	90%
PA	+8,723		PA	+91		WI	+67		IL	1,867,912		PA	34,198		GA	164,217		GA	85%	AL	89%
CH	+8,707		IN	+80		PA	+64		PA	1,799,753		GA	30,755		CH	139,786		WV	85%	PA	88%
IL	+6,658		MN	+75		FL	+55		CH	1,752,508		IL	29,145		PA	131,104		WA	84%	NE	87%
MA	+5,920		KY	+70		VA	+55		GA	1,675,453		NJ	28,518		KY	115,843		MD	84%	MO	87%
IN	+5,253		NY	+54		MO	+50		NC	1,558,510		CH	27,011		IL	113,884		NH	84%	VT	87%
TX	+5,046		NC	+43		MA	+37		MI	1,553,790		MI	26,648		MI	107,719		MO	83%	CK	87%
+93,187			+1,167			+703			26,265,814			445,565			1,985,048						
All states	+153,262			+1,748			+884		All states	49,543,985			793,345			3,575,416		All states	70%		67%
Top ten	61%			67%			80%		Top ten	53%			56%			56%		Median	78%		80%

Some states not reporting

Five most improved US states

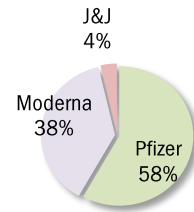
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MN	-9,375	AZ	-154	CH	-100	WA	+60 bp
FL	-1,991	TN	-139	NY	-87	ME	+40 bp
IA	-1,820	MO	-66	AZ	-64	NE	+40 bp
CT	-1,130	IL	-64	KY	-47	IA	+30 bp
NH	-1,010	CO	-55	MI	-36	MS	+30 bp



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	488,521,506	+2.517 million	US	59.9%	71.4%
Boosters	49,709,340	+1.046 million	UK	68.3%	75.0%
	One dose	% Pop	Immune	% pop	New immune today
Total population	242,978,728	73%	205,499,655	61%	+0.716 million
Age 12 to 17	14,811,511	62%	12,421,756	52%	+0.019 million
Age 18 to 64	164,677,534	81%	141,123,520	69%	+0.334 million
Age 65 and over	57,473,322	100%	49,266,945	90%	+0.187 million



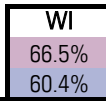
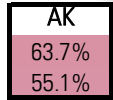
State
At least partial immunity as % population
Full immunity as % population



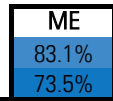
Every American >18 immunized in **33 days** by Jan 9, 2022
 73.6% of population >18 immunized
 17.4% previously tested positive
91.0% vs 60% adult herd immunity

France	70.5%	77.2%
Spain	80.6%	82.3%
Germany	68.6%	71.6%
Italy	73.2%	78.7%
Australia	74.3%	78.2%
Israel	62.3%	68.8%
Canada	76.6%	81.6%
Japan	77.7%	79.4%
Africa	7.7%	11.7%
India	35.3%	58.0%
Brazil	64.6%	77.0%
China	77.9%	84.8%

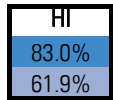
Global data differs due to sources, timing



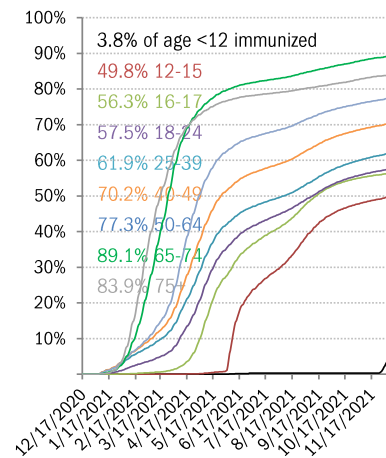
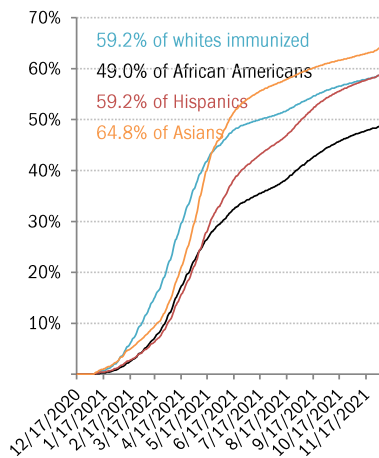
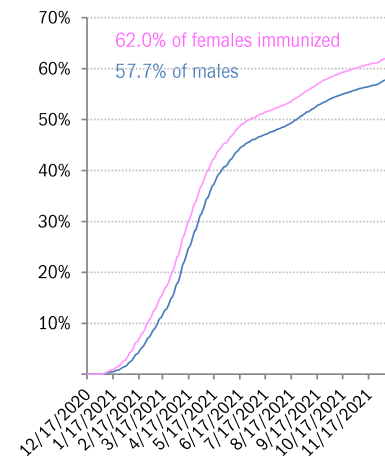
As of Dec 8



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
73.7%	51.2%	60.6%	58.8%	69.8%	70.2%	61.9%	79.7%	86.6%	90.1%	
66.2%	45.6%	52.6%	49.5%	63.6%	62.6%	55.4%	69.3%	74.4%	65.3%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
72.2%	67.2%	54.5%	68.3%	63.3%	56.4%	59.1%	83.1%	80.4%	87.1%	
64.9%	55.1%	46.3%	55.5%	57.6%	51.1%	53.9%	59.6%	68.8%	72.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
80.0%	65.5%	72.4%	64.8%	60.6%	61.0%	86.7%	76.7%	77.9%	85.3%	84.7%
64.2%	56.5%	64.4%	58.3%	51.8%	53.0%	69.0%	66.3%	68.7%	73.0%	74.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
65.2%	77.9%	67.1%	61.3%	57.5%	72.0%	61.1%	83.5%	74.2%		
55.5%	64.5%	55.4%	50.0%	50.1%	55.1%	52.0%	65.6%	62.4%		
OK	LA	MS	AL	GA						
63.8%	56.1%	54.5%	57.3%	59.7%						
52.2%	49.3%	47.4%	46.6%	49.7%						
TX	FL	PR								
64.9%	72.5%	86.0%								
55.5%	62.0%	74.8%								



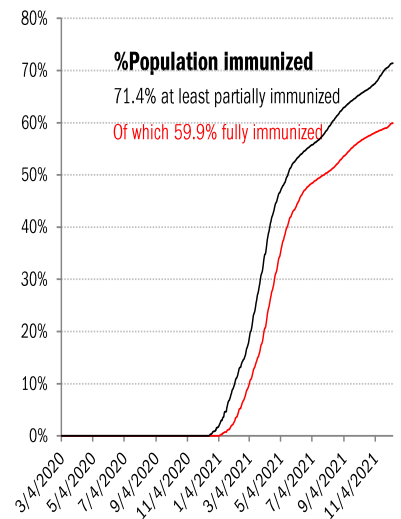
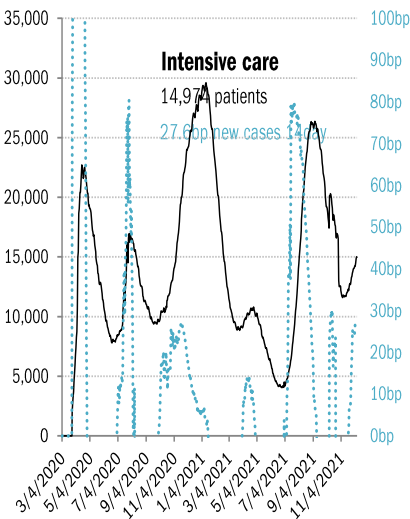
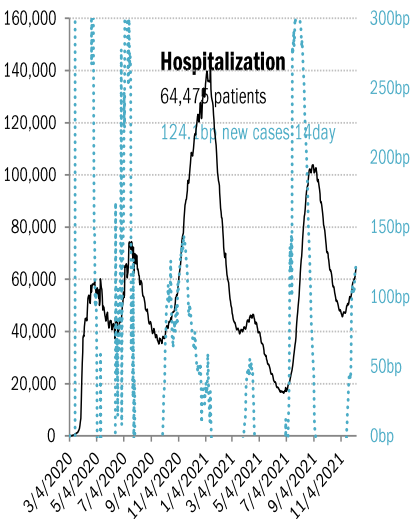
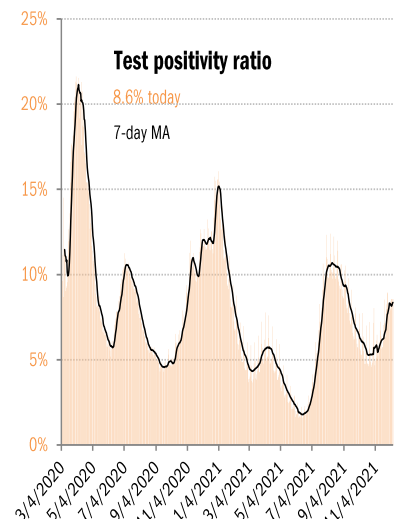
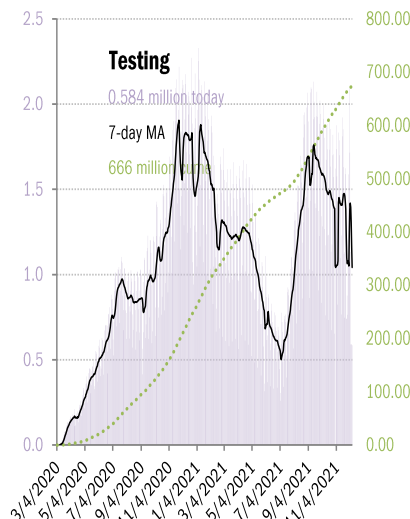
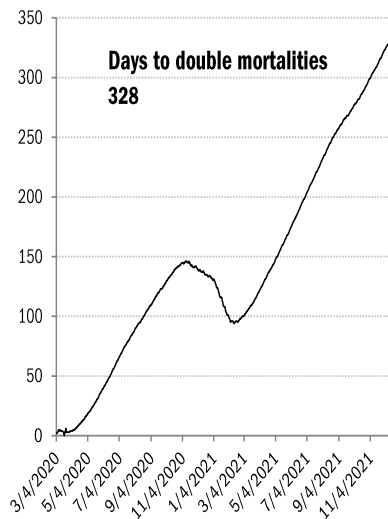
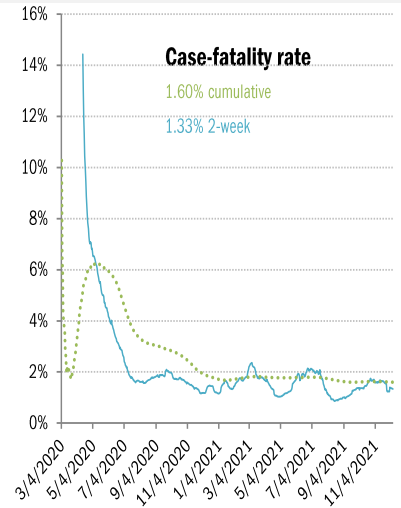
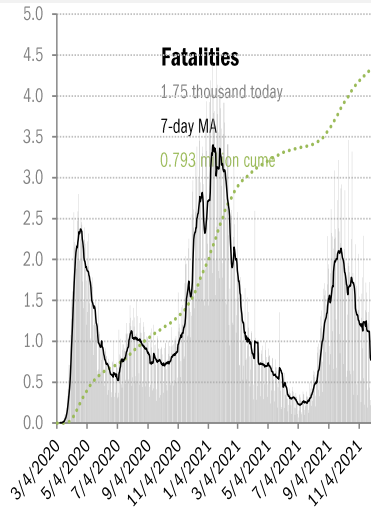
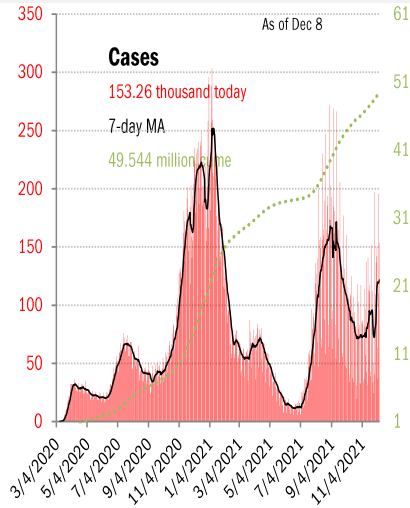
The demographics of US vaccination



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

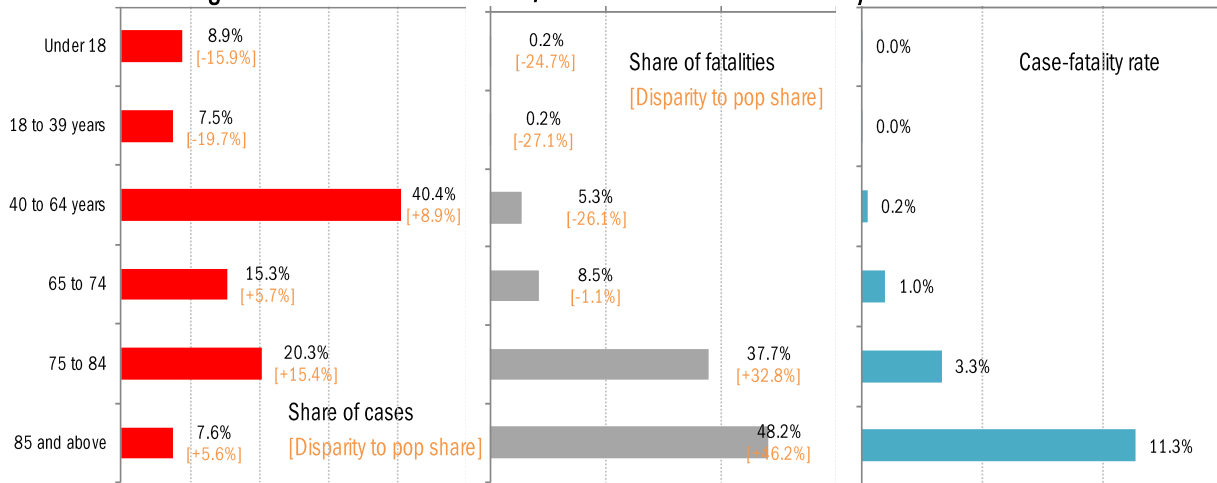
US deep-dive

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

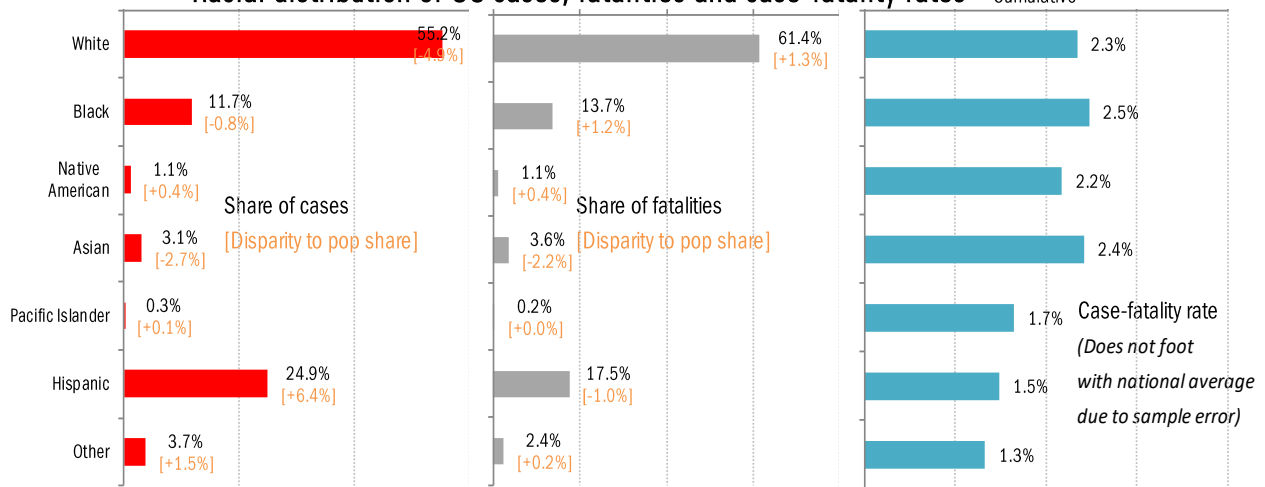


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

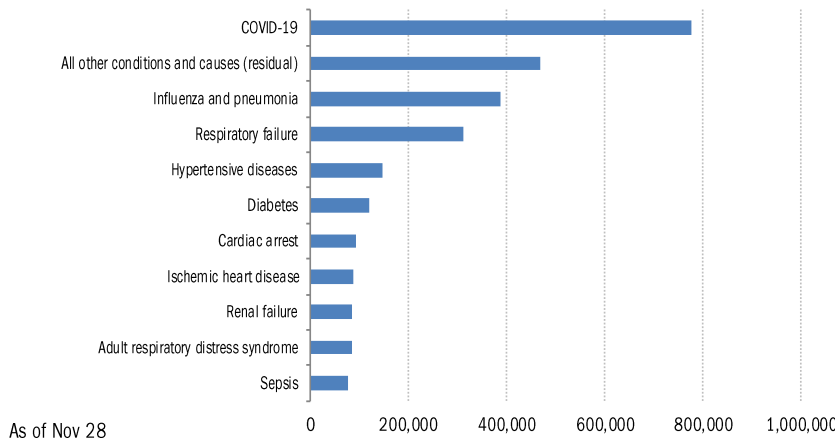


Racial distribution of US cases, fatalities and case-fatality rates



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

[The Hunt for a Single Shot to Defeat Omicron and All Coronaviruses](#)

Robert Langreth
Bloomberg
December 8, 2021

['Gonna party like it's Downing Street in LOCKDOWN': Twitter erupts with fury and mocking memes after video shows No10 staff joking about 'illegal' festive bash during Tier 3 shutdown](#)

Tom Pyman
Daily Mail
December 8, 2021

[Boris Johnson moves to Plan B to control Omicron spread amid MPs' anger](#)

Sebastian Payne, George Parker, Laura Hughes and Oliver Barnes
Financial Times
December 8, 2021

[Coronavirus Cases Are Rising Among Children in South African Hospitals](#)

Lynsey Chutel
New York Times
December 8, 2021

[Children, Coping With Loss, Are Pandemic's 'Forgotten Grievers'](#)

Sheryl Gay Stolberg
New York Times
December 9, 2021

[Senate Votes to Scrap Biden Vaccine Mandate as Republicans Eye 2022](#)

Emily Cochrane
New York Times
December 8, 2021

[Oregon working to put indoor mask rule in place indefinitely](#)

Genevieve Reaume
KATU-2 ABC
December 2, 2021

[Biden Broke Promise to 'Shut Down' COVID-19, Voters Say](#)

Rasmussen
December 8, 2021

[Prez's lost war on COVID: Biden still trying to 'beat' virus — and failing](#)

Kimberley Strassel
New York Post
December 3, 2021

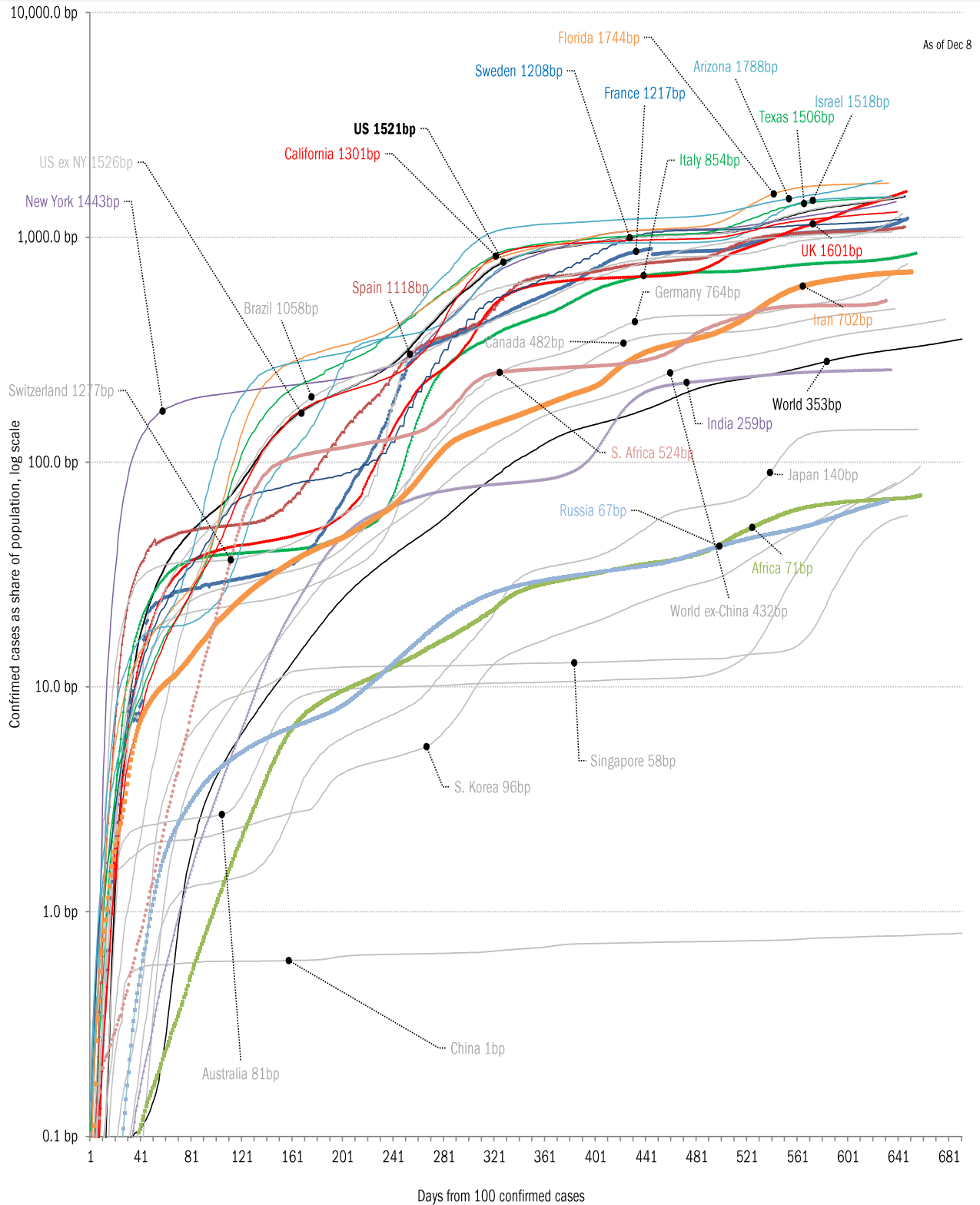
Meme of the day



NYPD Implements Controversial 'Stop And Forcibly Vaccinate' Policy

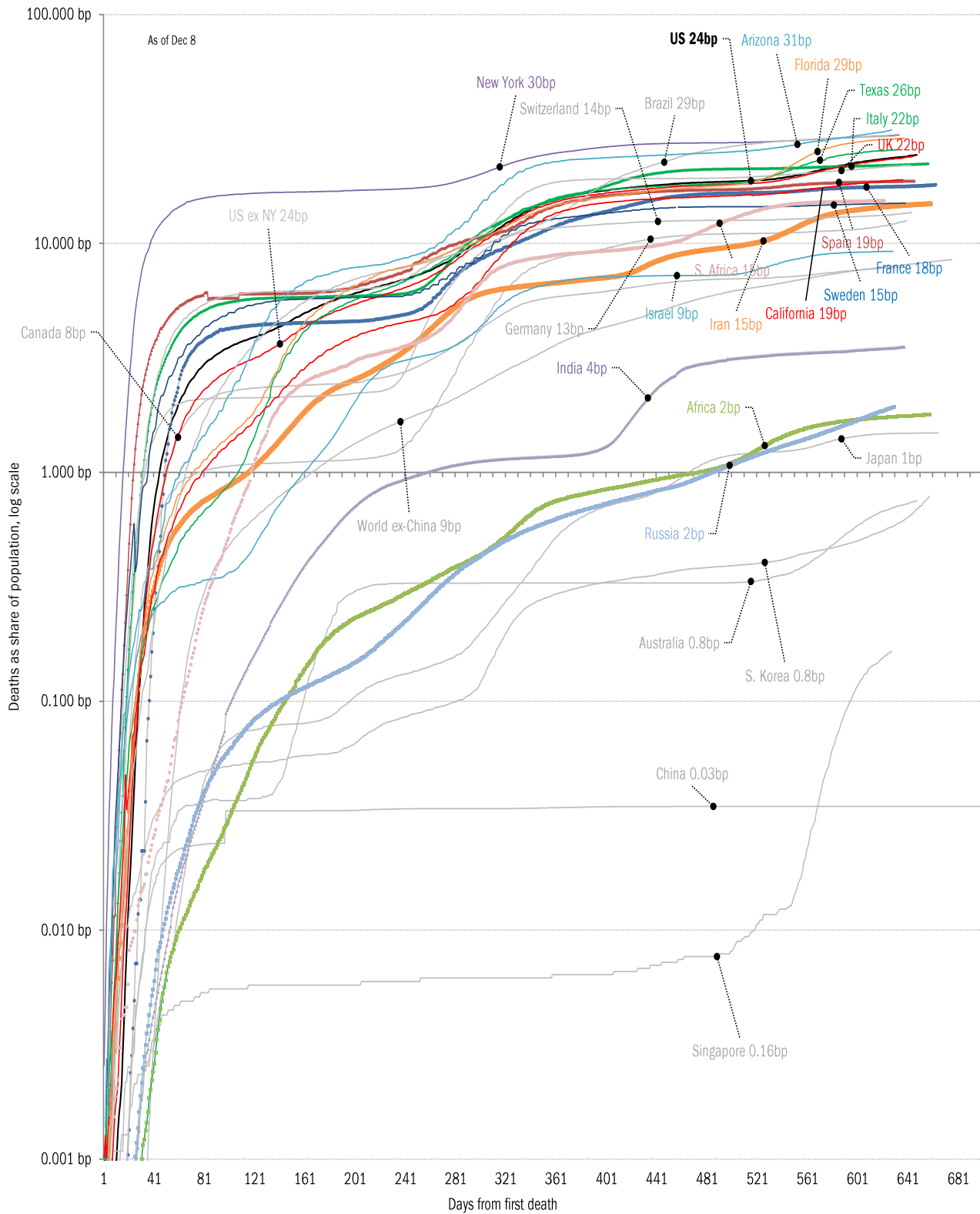
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

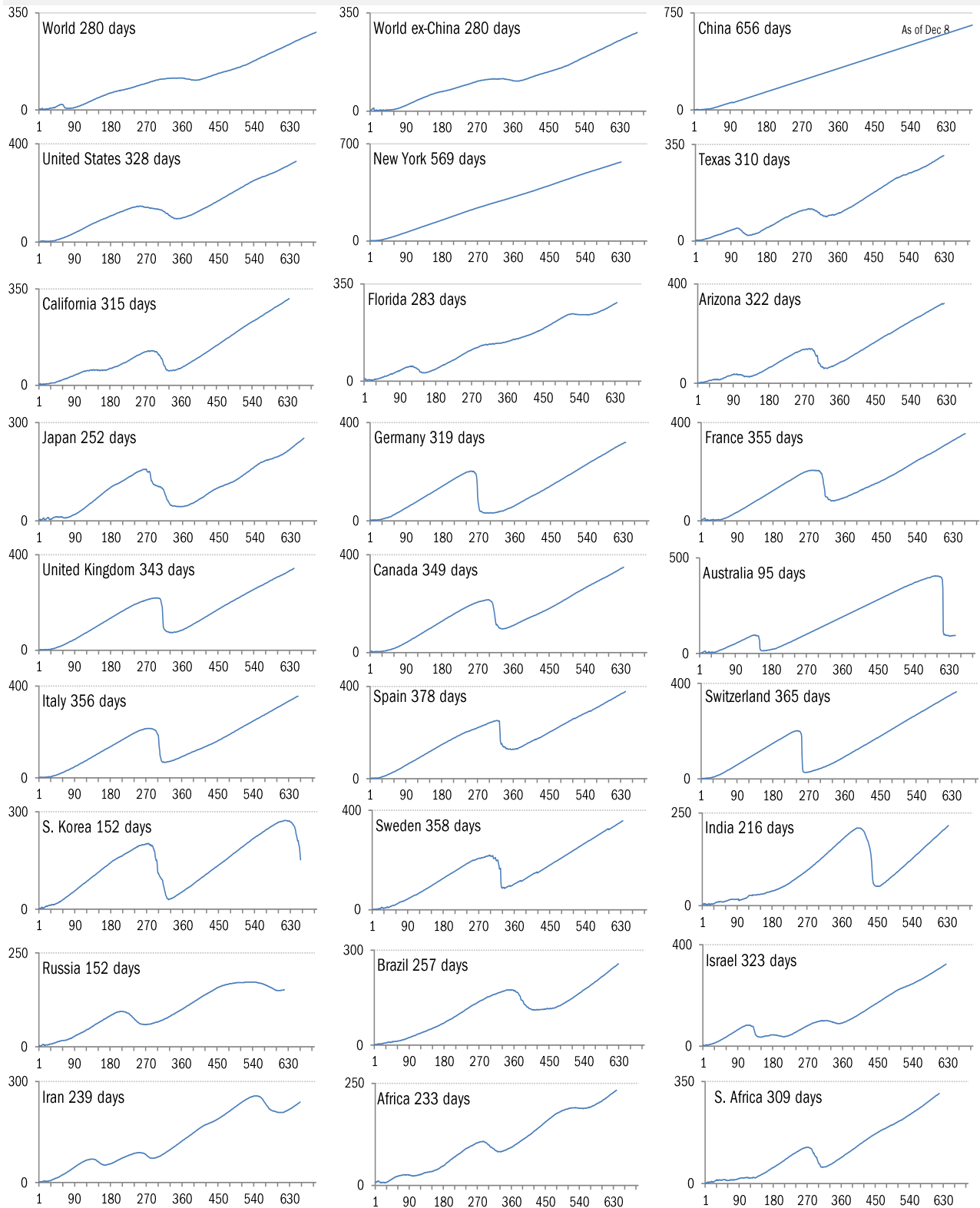


Source: [Johns Hopkins](#), TrendMacro calculations

"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

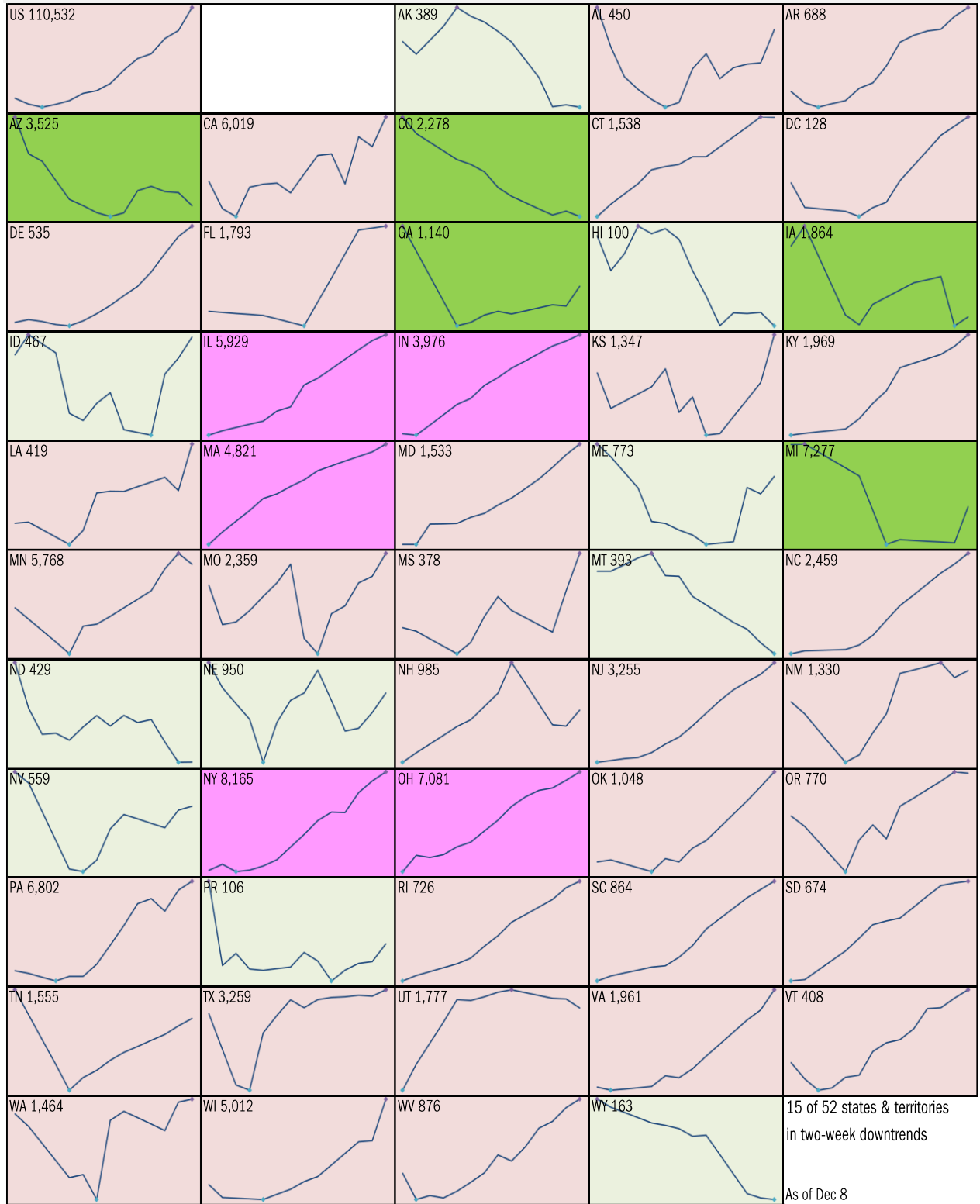


Source: [Johns Hopkins](#), TrendMacro calculations

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

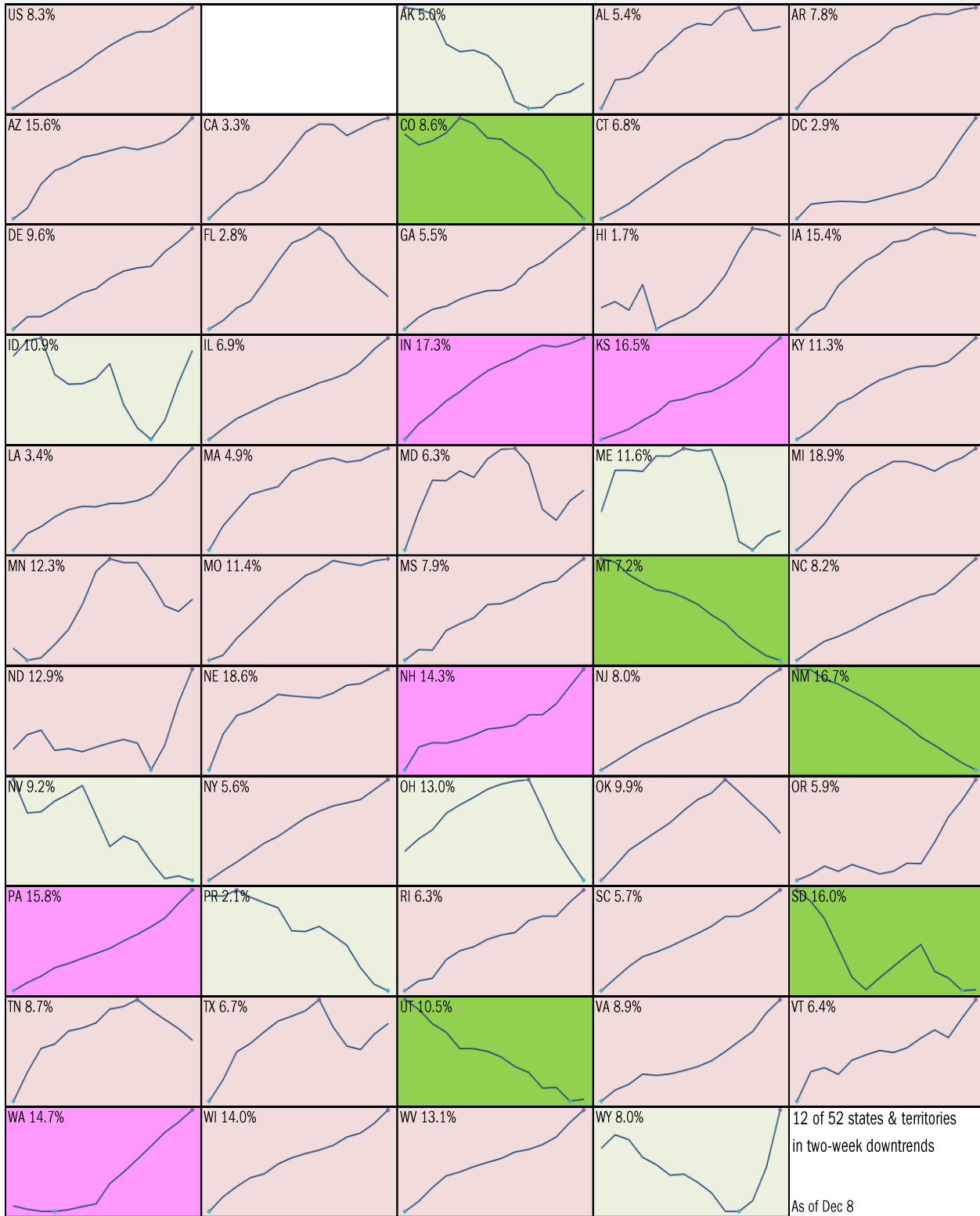


Source: [Johns Hopkins](#), TrendMacro calculations

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

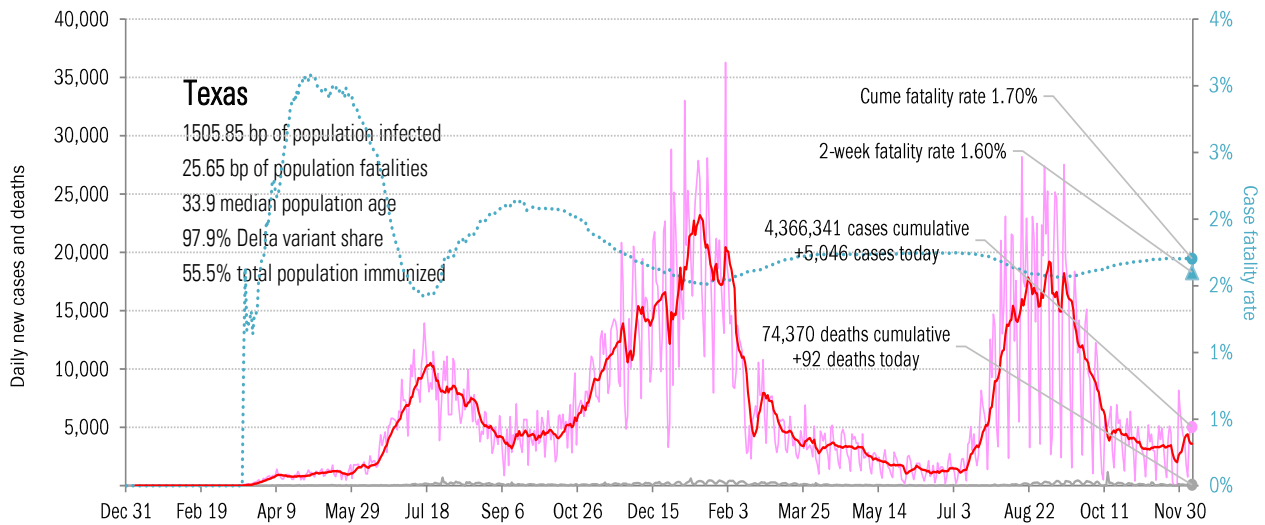
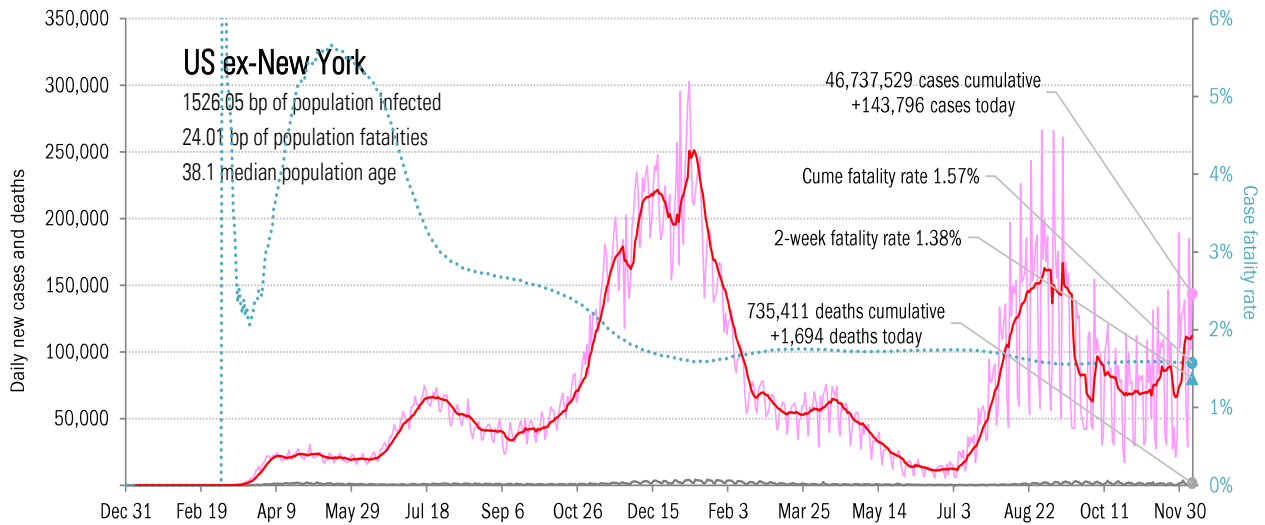
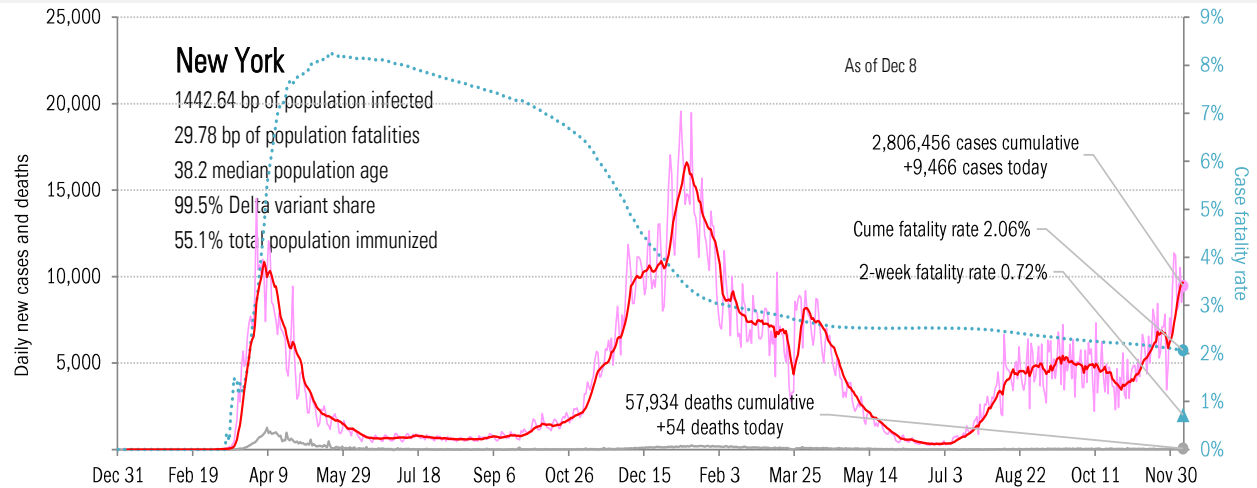
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

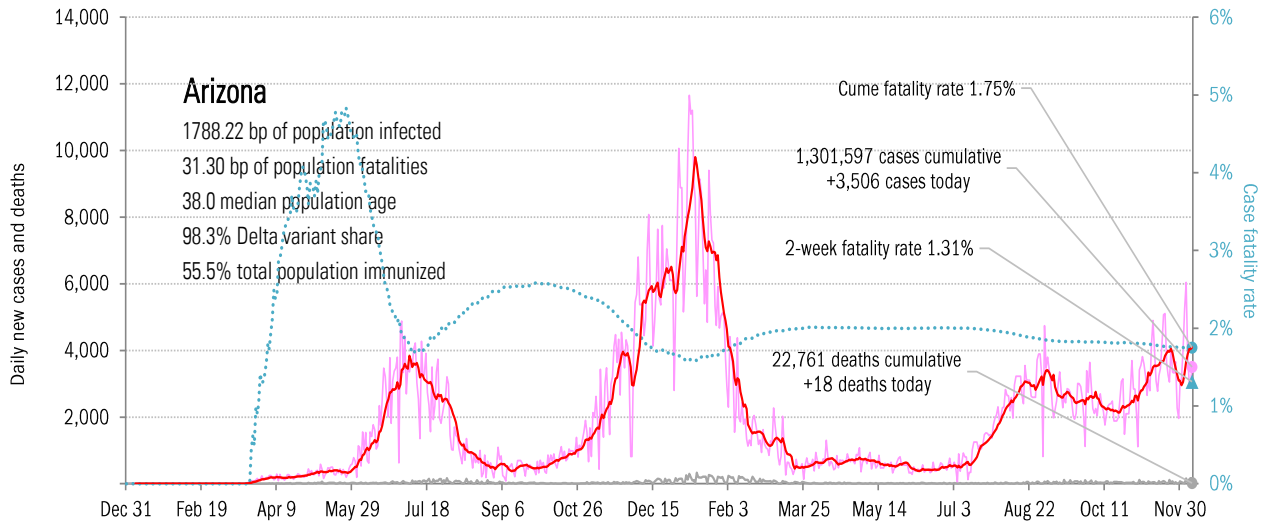
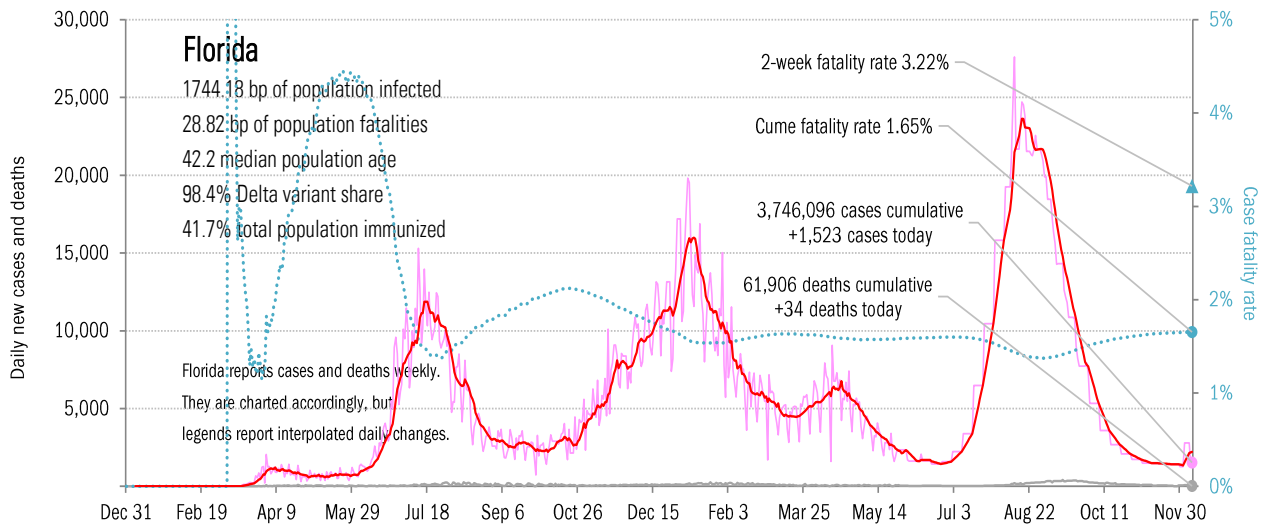
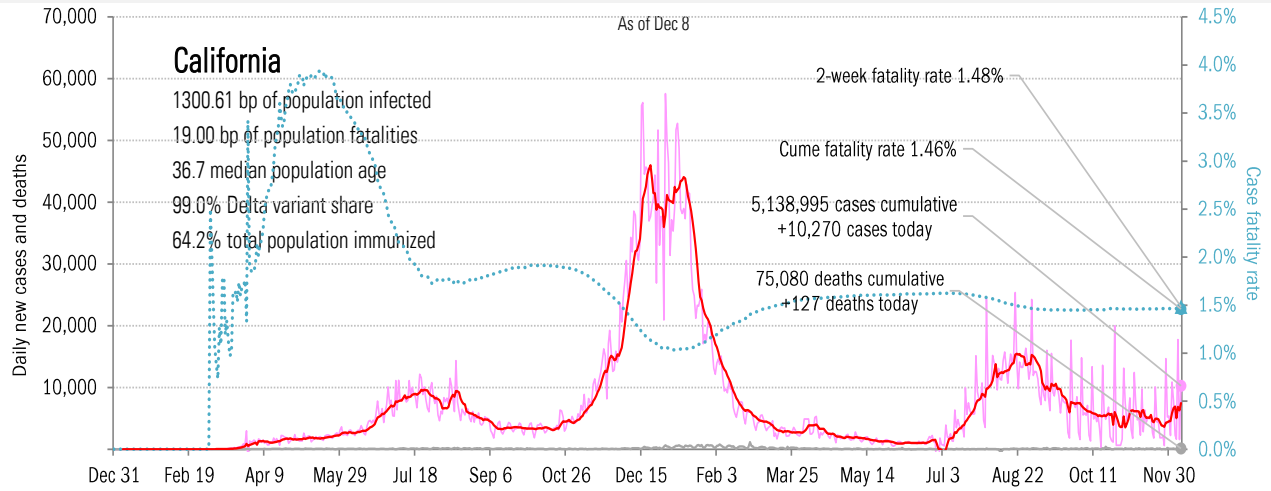
Cases: 7-day average and daily Deaths: Daily



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

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

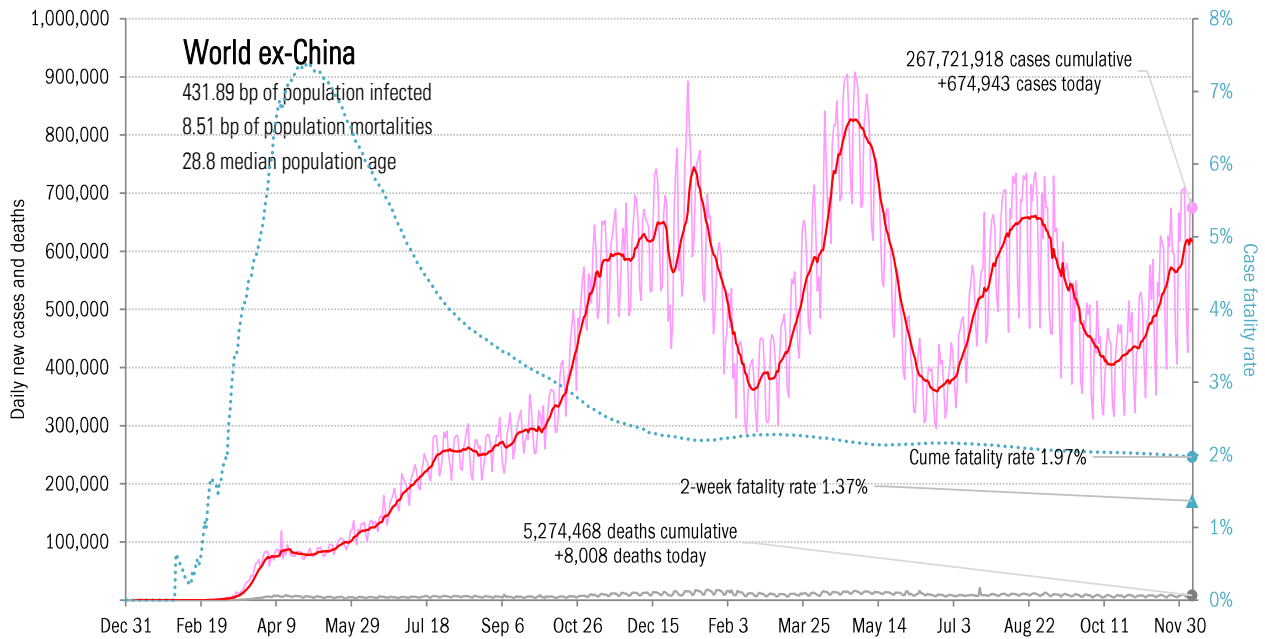
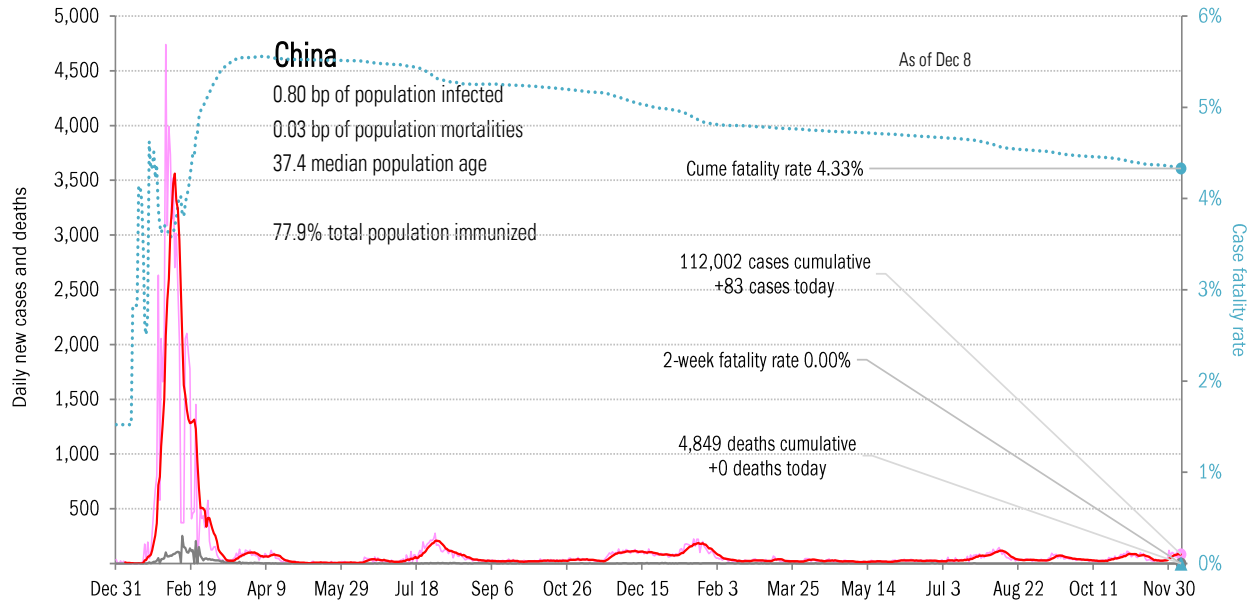
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

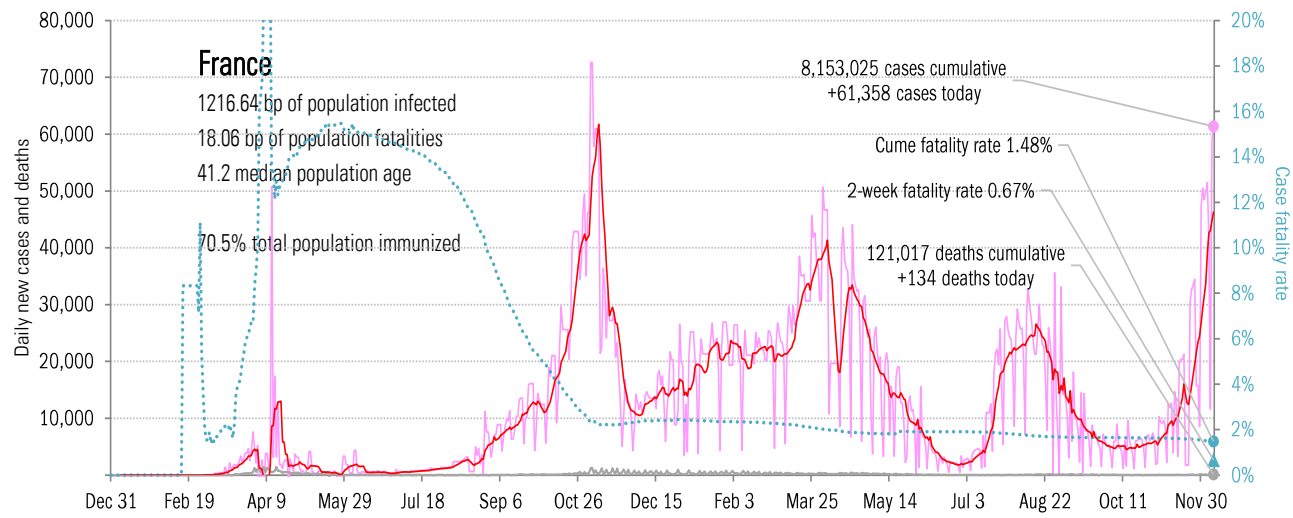
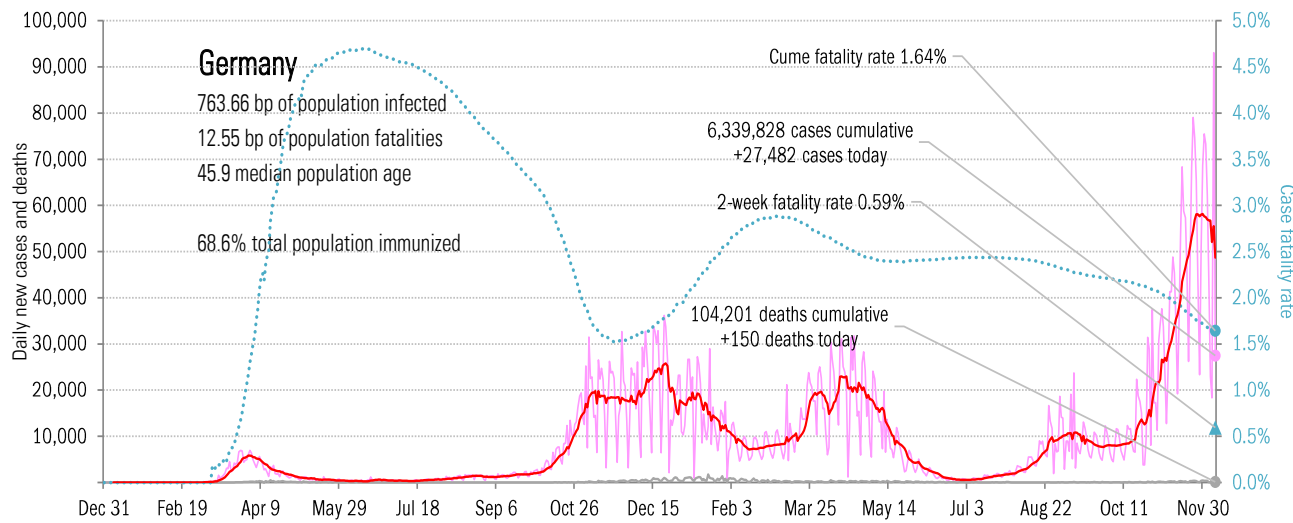
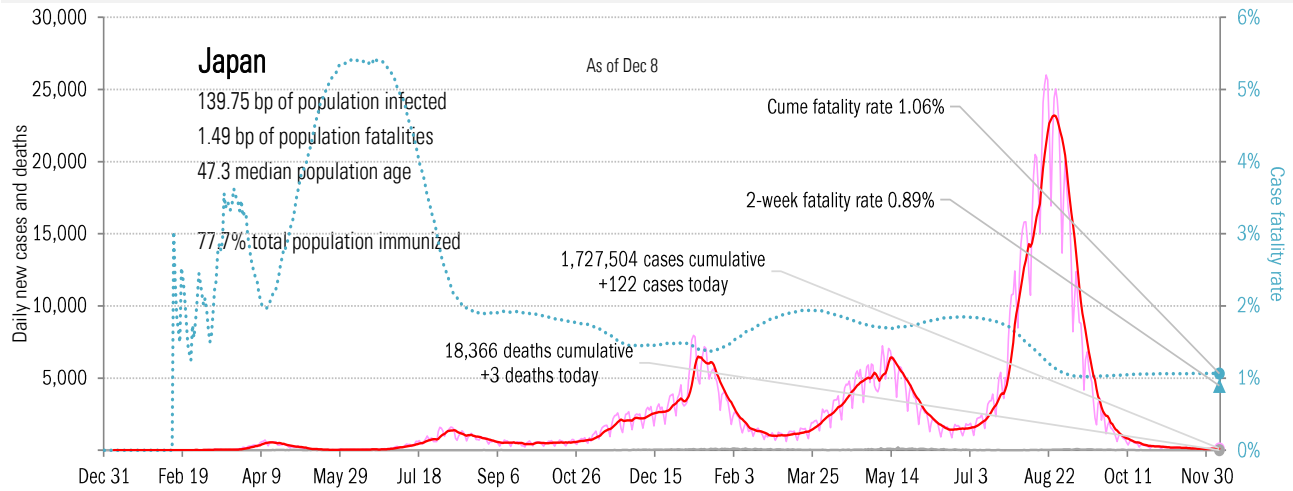
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

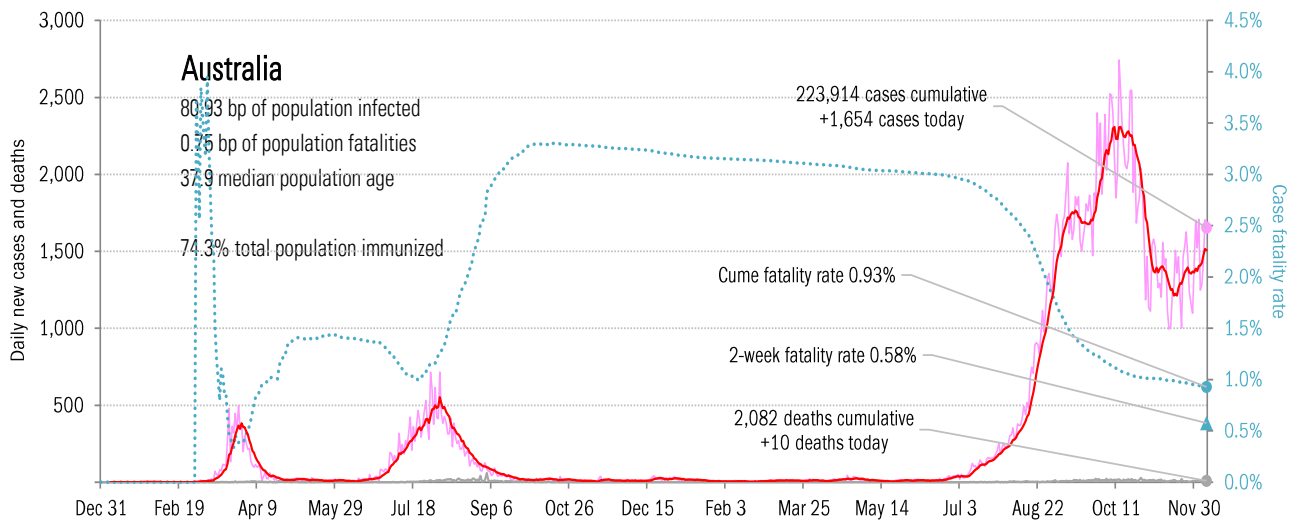
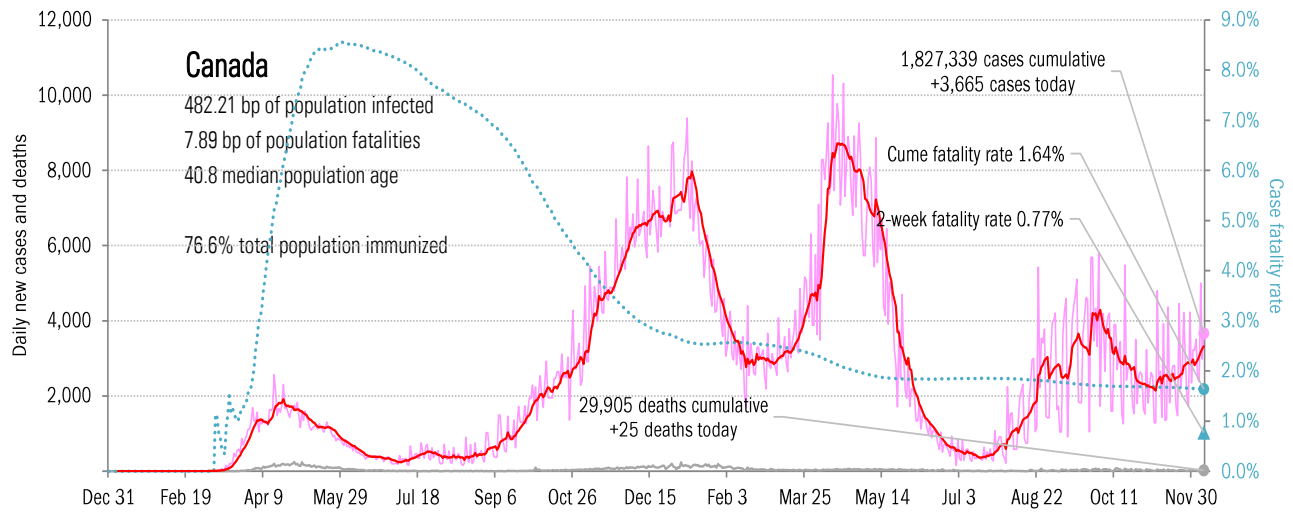
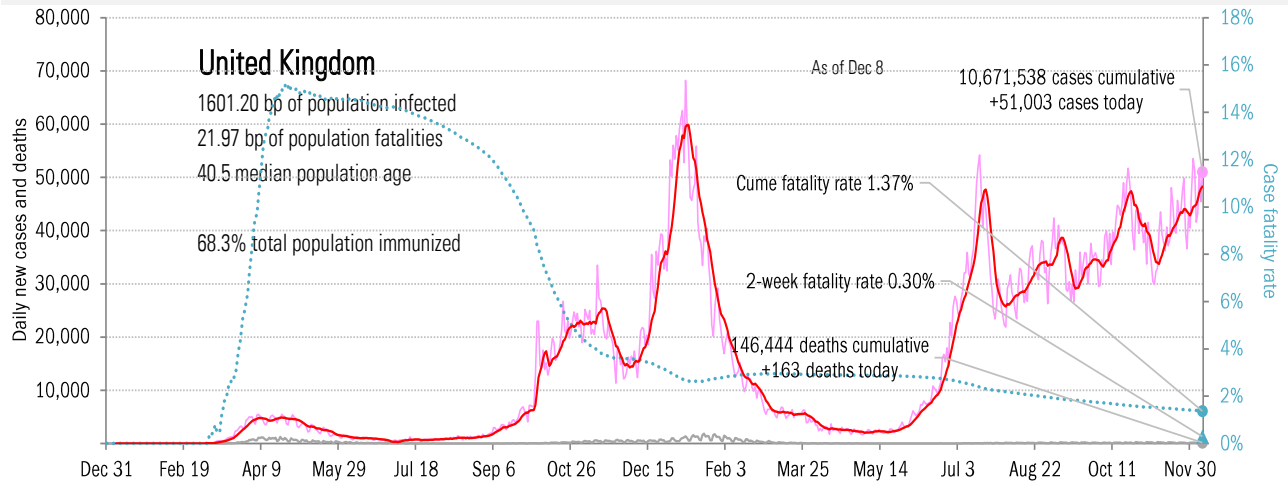
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

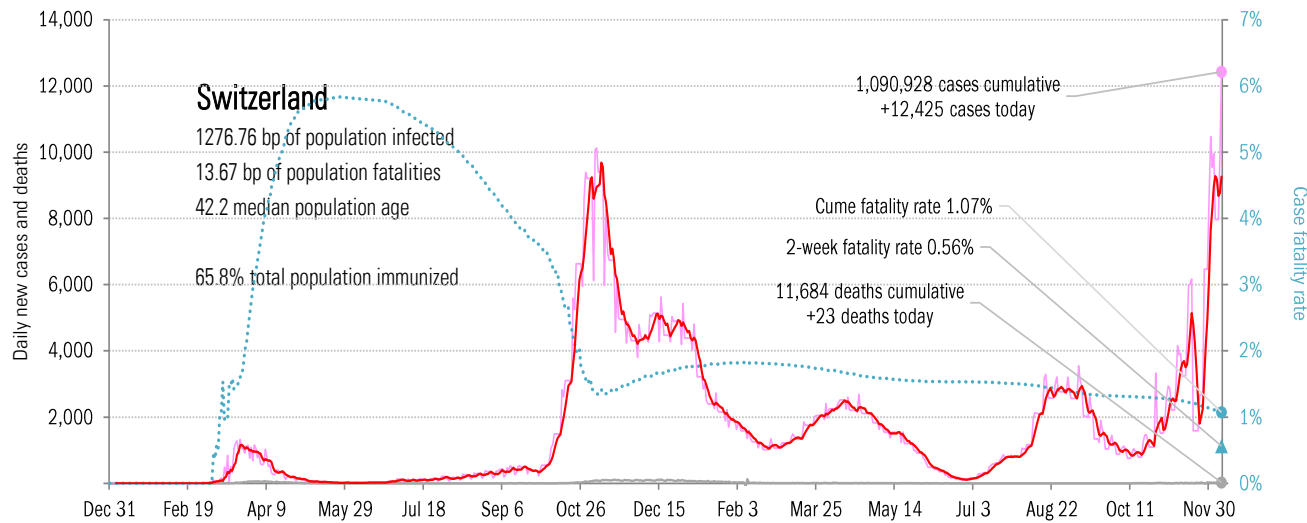
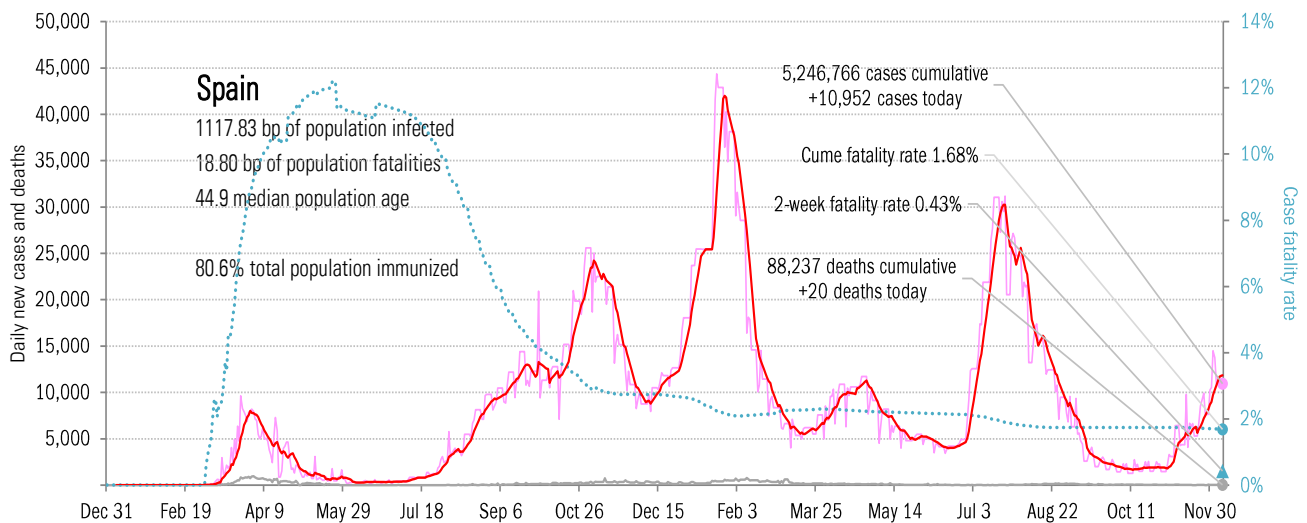
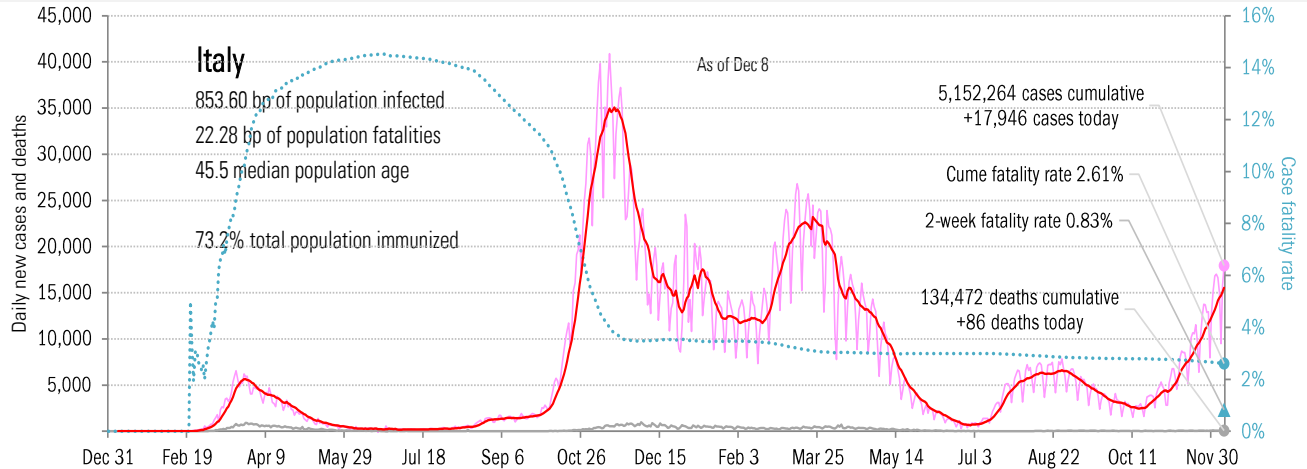
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

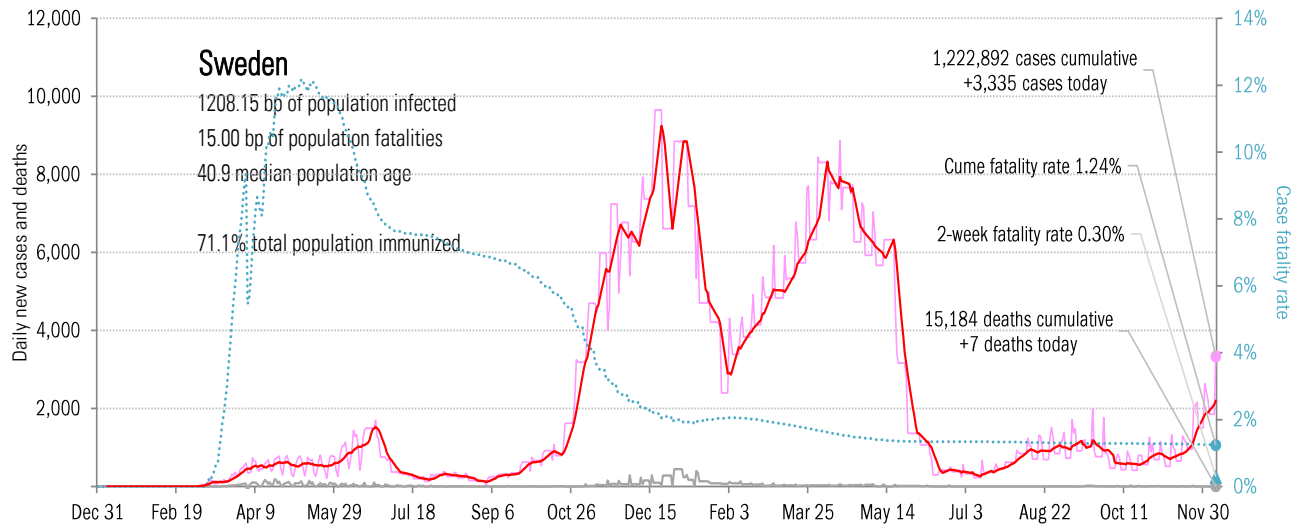
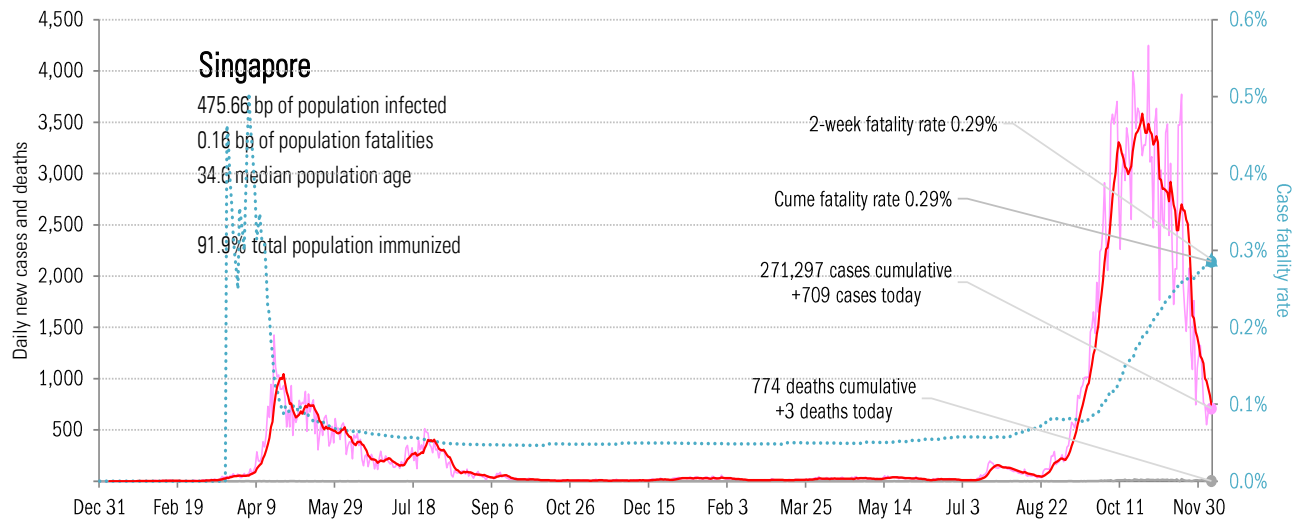
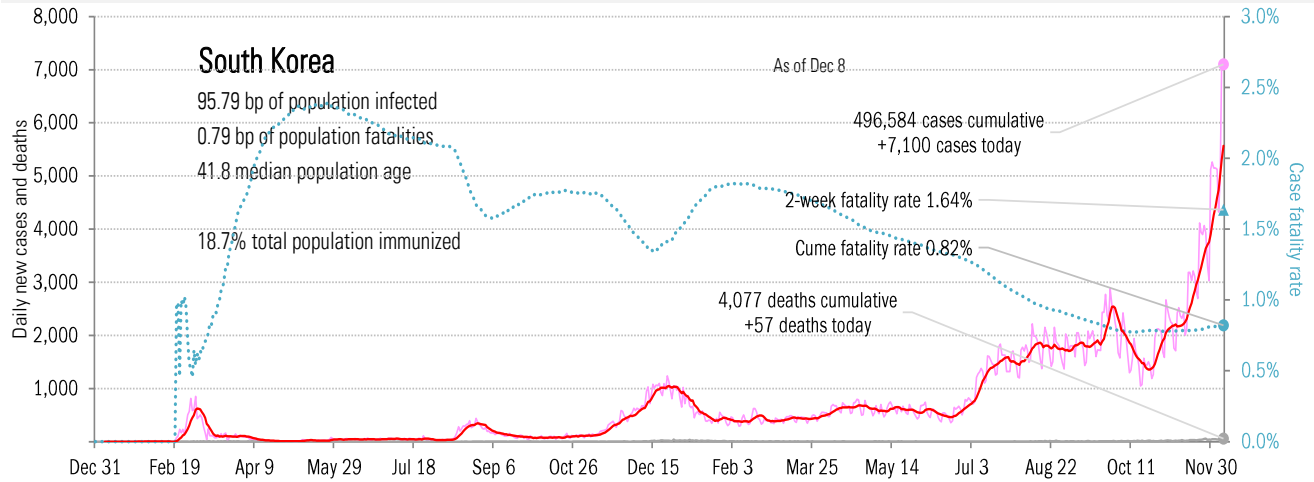
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

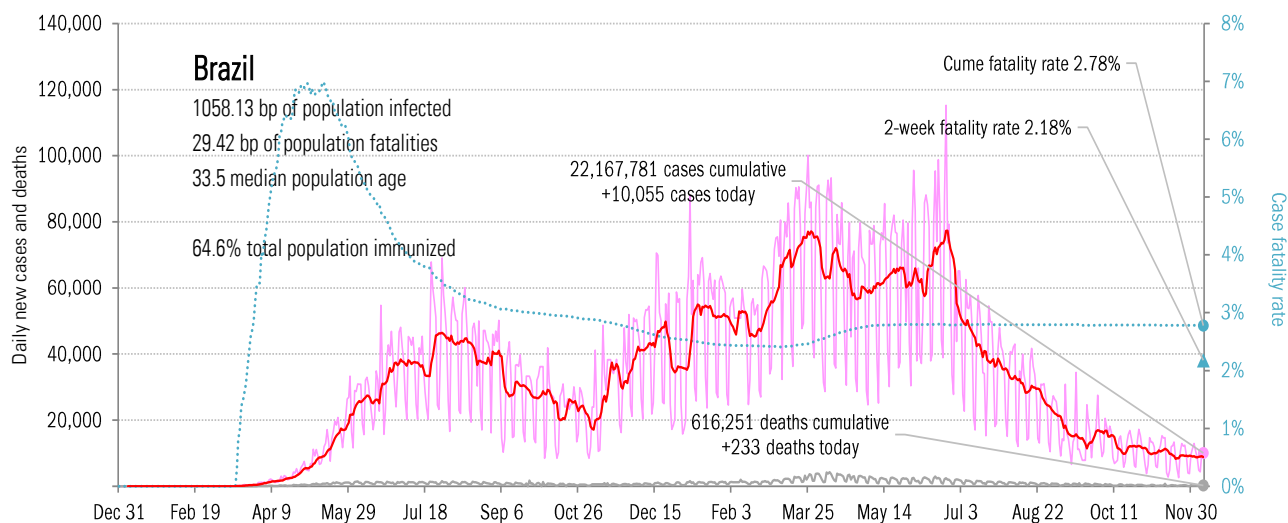
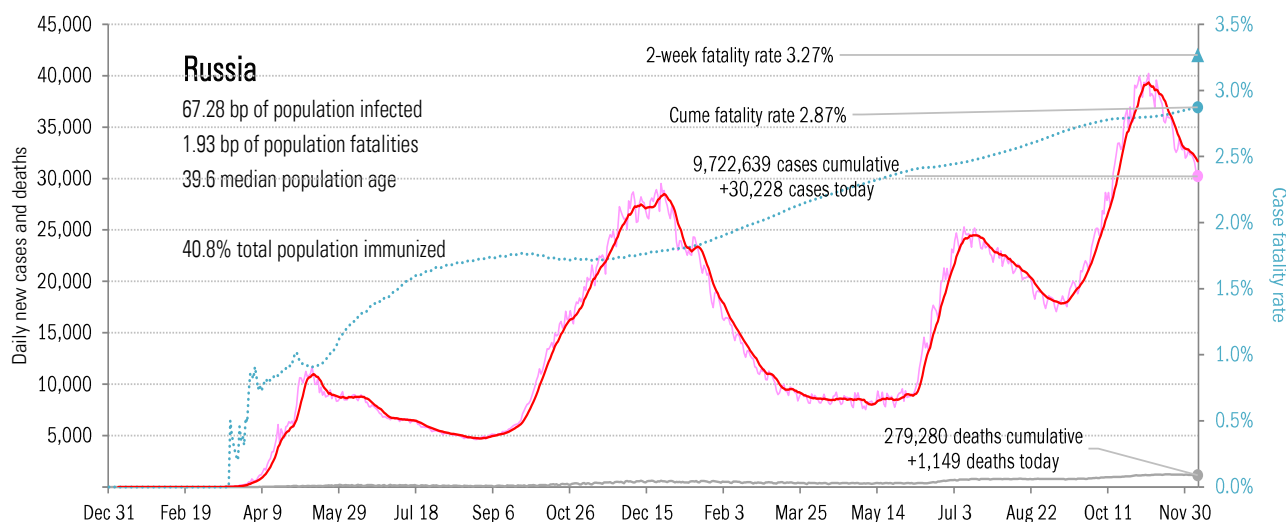
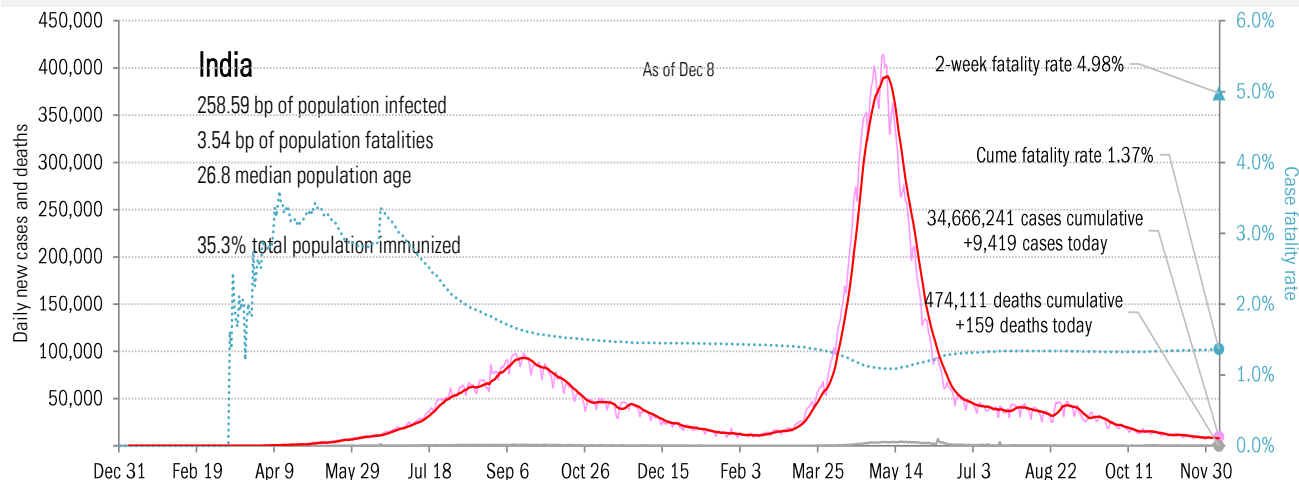
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

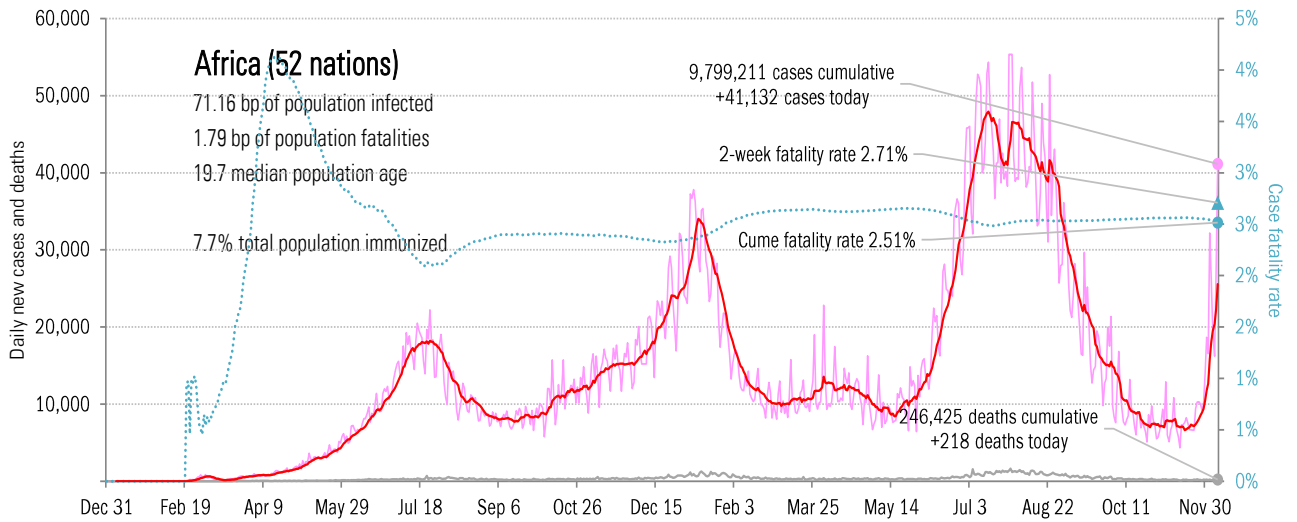
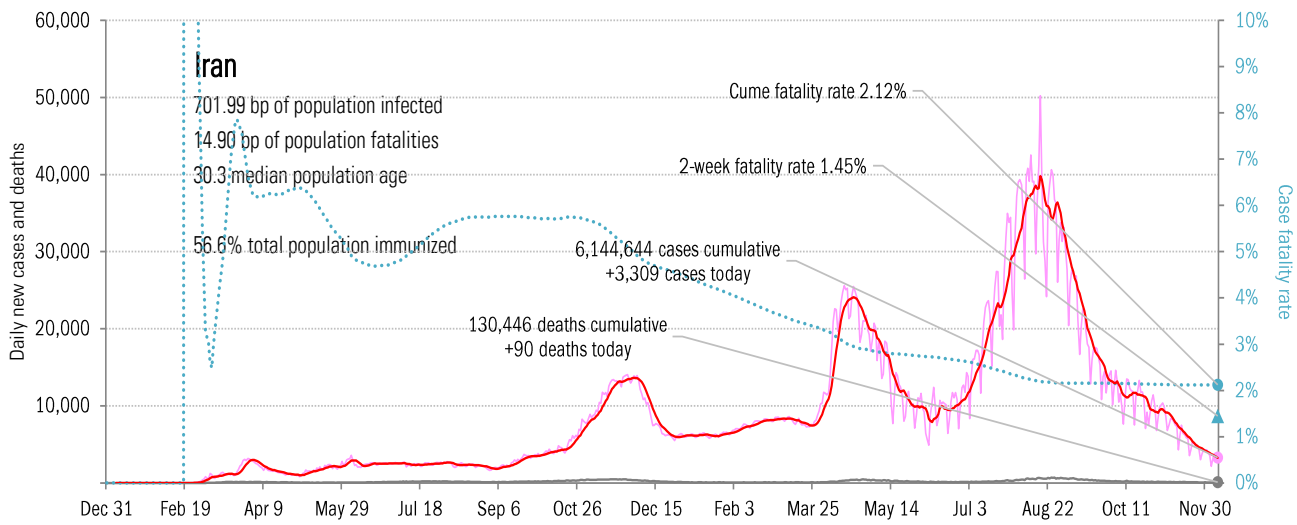
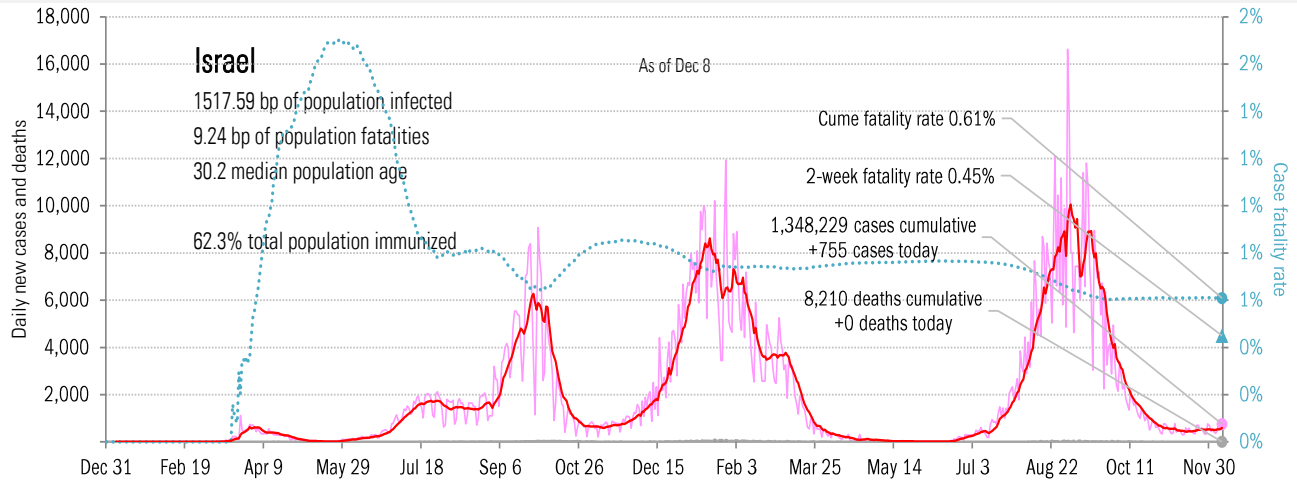
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

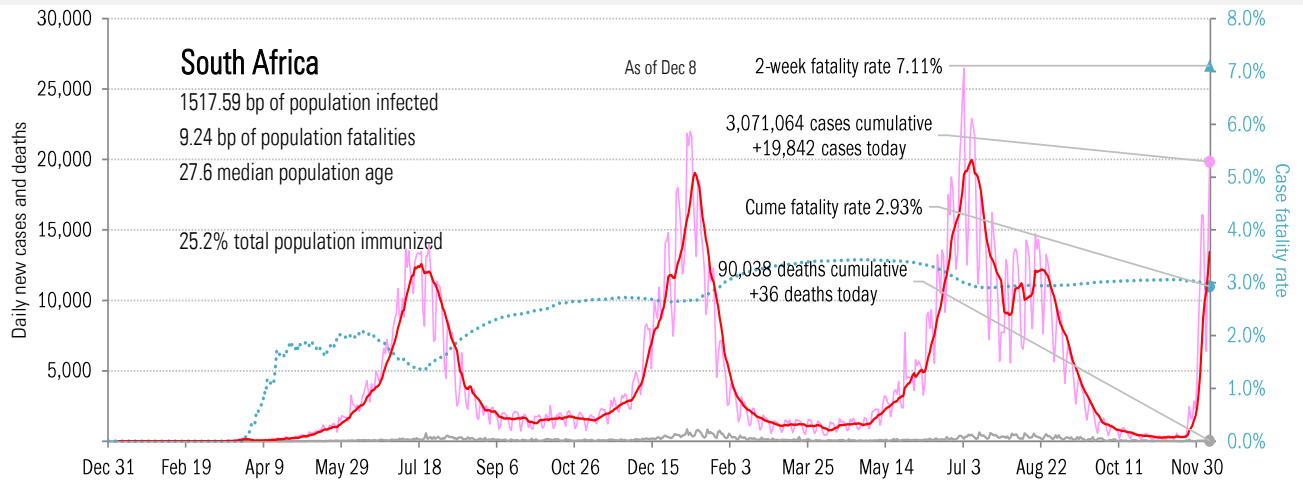
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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