

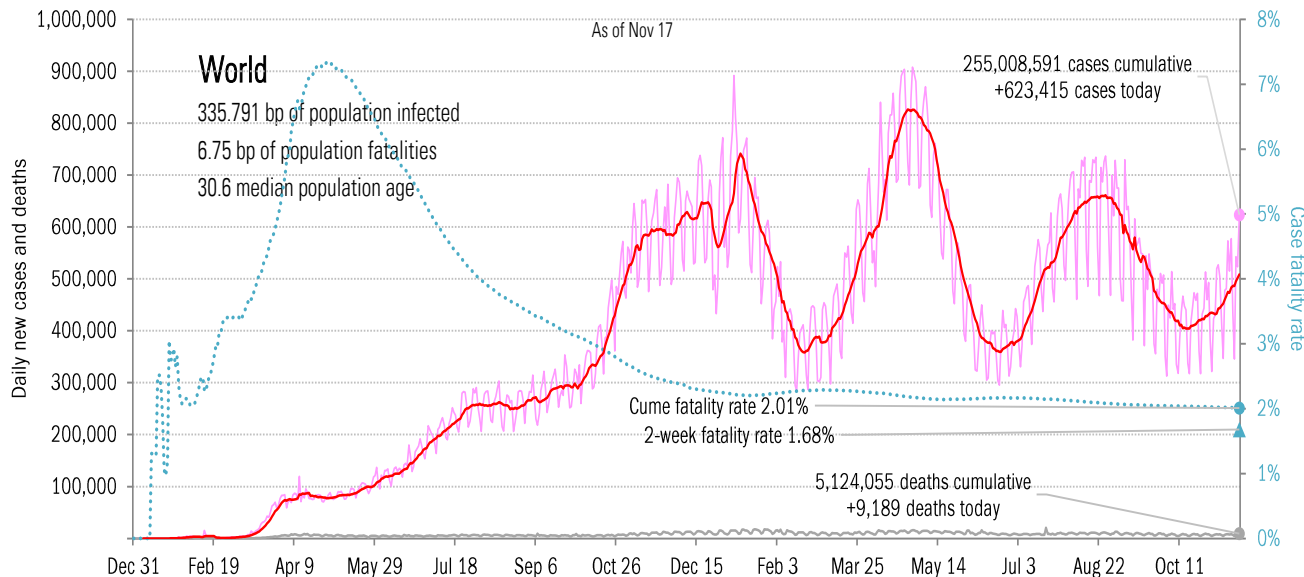
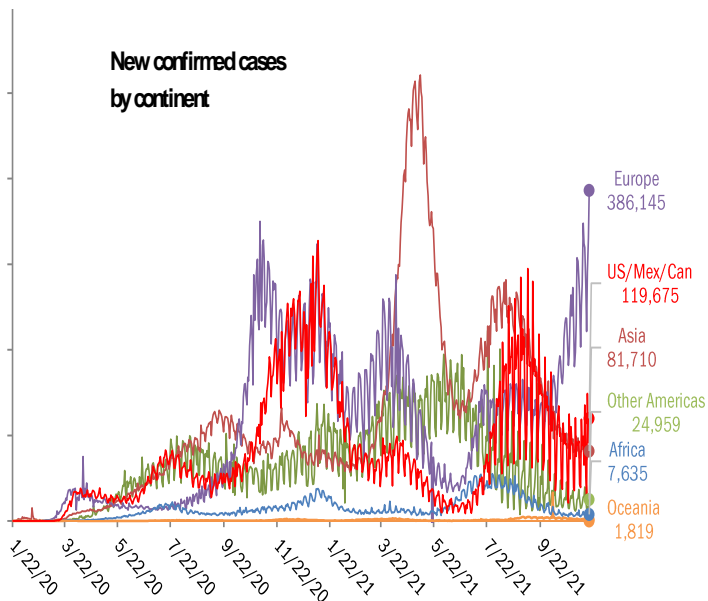
Data Insights: Covid-2019 Monitor

Thursday, November 18, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+112,578	United States	+1,683
Germany	+68,366	Russia	+1,220
United Kingdom	+38,254	Ukraine	+796
Russia	+35,415	India	+470
Poland	+24,241	Poland	+463
Turkey	+23,867	Brazil	+373
Czechia	+22,585	Mexico	+369
Netherlands	+20,803	Romania	+350
France	+20,365	Philippines	+309
Ukraine	+19,879	Germany	+266
+386,353		+6,299	
World	+623,415	World	+9,189
Top ten	62%	Top ten	69%



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

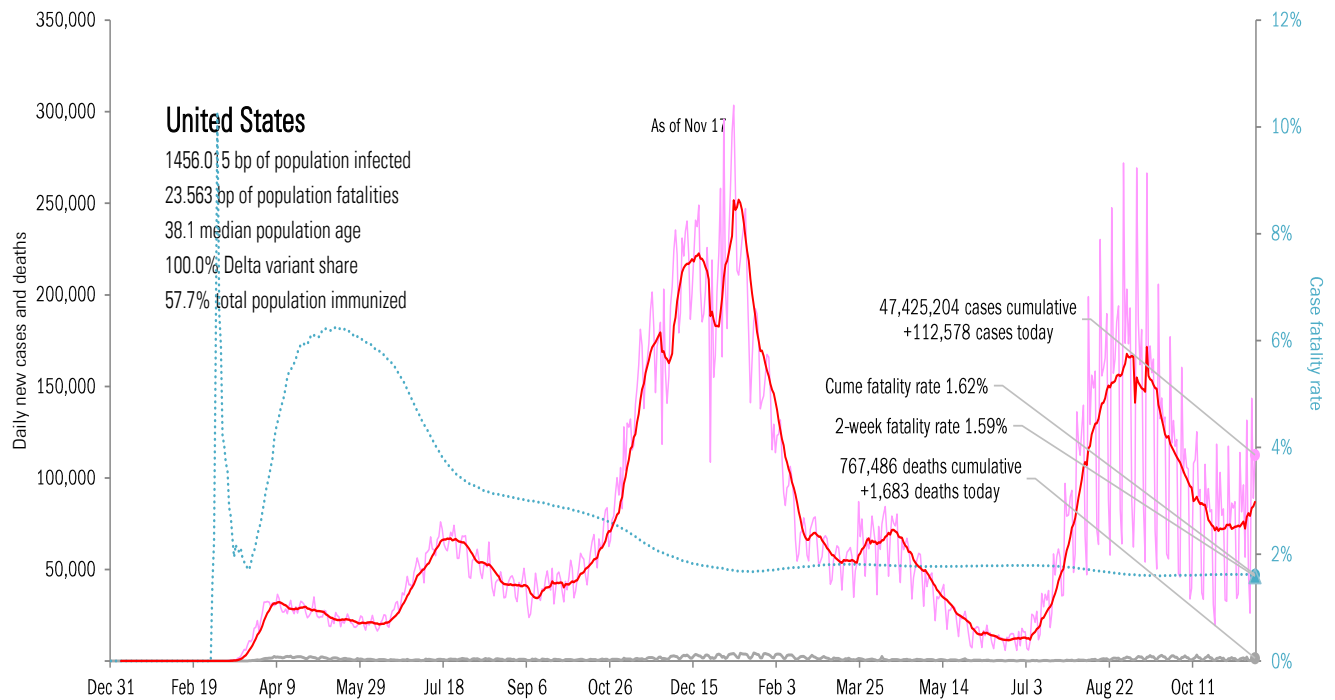
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+17,903		MI	+276		GA	+110		CA	5,022,286		CA	73,405		TX	379,819		RI	88%	NM	91%
CH	+6,382		PA	+150		MI	+101		TX	4,296,397		TX	73,038		FL	321,402		MA	87%	RI	90%
NY	+6,071		TX	+129		PA	+84		FL	3,716,702		FL	60,899		CA	316,476		PA	85%	KY	90%
PA	+6,024		GA	+126		WI	+57		NY	2,644,177		NY	57,053		NY	167,849		MI	85%	TX	88%
IL	+4,989		CA	+106		AZ	+41		IL	1,752,502		PA	32,633		GA	161,781		WA	84%	NE	88%
CA	+4,628		IA	+102		IL	+40		PA	1,660,087		GA	30,027		CH	128,945		GA	83%	AL	87%
WI	+4,282		FL	+61		MN	+39		GA	1,651,952		IL	28,593		PA	121,441		MN	83%	MN	85%
TX	+3,963		NC	+52		IN	+37		CH	1,620,436		NJ	28,220		KY	112,941		NY	82%	PA	84%
CO	+3,914		TN	+49		CA	+36		NC	1,510,086		CH	25,813		IL	107,510		MD	82%	IA	84%
AZ	+3,459		MN	+46		NY	+36		MI	1,387,938		MI	24,684		MI	97,193		WV	81%	MI	83%
+61,615			+1,097			+581			25,262,563			434,365			1,915,357						
All states	+112,578			+1,683			+814		All states	47,425,204			767,486			3,434,870		All states	70%		67%
Top ten	55%			65%			71%		Top ten	53%			57%			56%		Median	77%		80%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MN	-7,460	CH	-170	NV	-52	DE	+40 bp
FL	-2,146	AZ	-67	CO	-29	UT	+40 bp
TX	-1,169	MO	-56	CH	-26	WV	+30 bp
IA	-999	WY	-49	SD	-22	AK	+20 bp
MT	-436	OR	-34	NH	-18	TN	+20 bp

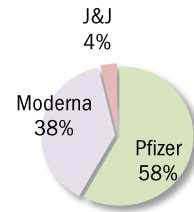


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	457,034,481	+1.449 million	US	57.7%	67.8%
Boosters	31,996,458	+0.773 million	UK	67.5%	74.3%
	One dose	% Pop	Immune	% pop	New immune today
Total population	233,939,385	70%	200,658,478	60%	+0.181 million
Age 12 to 17	14,477,015	61%	12,154,026	51%	+0.014 million
Age 18 to 64	160,253,241	79%	138,736,368	68%	+0.135 million
Age 65 and over	56,301,155	100%	48,830,365	89%	+0.030 million

France	68.8%	76.4%
Spain	80.2%	81.7%
Germany	67.2%	69.7%
Italy	72.8%	77.7%
Australia	70.3%	76.3%
Israel	62.0%	67.4%
Canada	75.6%	79.1%
Japan	76.1%	78.9%
Africa	6.7%	9.8%
India	27.5%	54.4%
Brazil	60.0%	75.9%
China	74.4%	82.1%



State

At least partial immunity as % population

Full immunity as % population

Best

Middle

Worst

Every American >18 immunized in **160 days** by Apr 26, 2022

72.6% of population >18 immunized

16.9% previously tested positive

89.5% vs 60% adult herd immunity

AK
61.5%
53.7%

WI
64.5%
59.0%

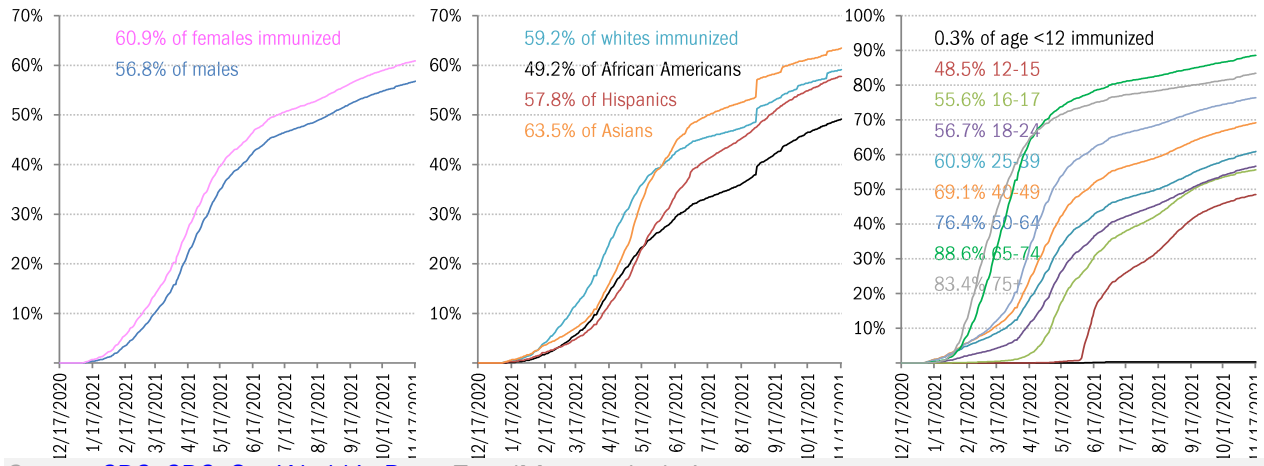
ME
79.7%
71.6%

As of Nov 17

WA 71.3% 64.4%	ID 50.1% 44.7%	MT 58.6% 51.4%	ND 56.7% 48.3%	MN 67.3% 61.9%	IL 67.4% 61.6%	MI 59.9% 54.2%	NY 76.3% 67.8%	VT 82.6% 72.2%	NH 82.7% 63.8%	
OR 70.1% 63.5%	NV 65.1% 53.9%	WY 52.5% 45.0%	SD 64.6% 53.8%	IA 61.4% 56.2%	IN 54.9% 50.3%	OH 57.2% 52.6%	PA 82.7% 61.8%	NJ 77.4% 67.2%	MA 83.3% 70.5%	
CA 77.0% 62.4%	UT 62.6% 54.9%	CO 69.8% 62.5%	NE 62.8% 56.9%	MO 58.5% 50.5%	KY 59.0% 51.6%	WV 53.7% 41.5%	VA 73.7% 64.2%	MD 74.1% 66.8%	CT 81.8% 71.5%	RI 81.0% 71.8%
	AZ 62.8% 54.0%	NM 74.5% 63.0%	KS 64.6% 54.0%	AR 59.4% 48.8%	TN 55.9% 49.1%	NC 67.9% 53.6%	SC 59.1% 50.8%	DC 78.4% 63.6%	DE 71.2% 60.9%	
			OK 61.4% 51.0%	LA 54.8% 48.4%	MS 53.2% 46.6%	AL 55.6% 45.6%	GA 58.0% 49.0%			
			TX 62.4% 54.2%					FL 70.6% 60.7%	PR 83.9% 74.3%	

HI
80.8%
60.5%

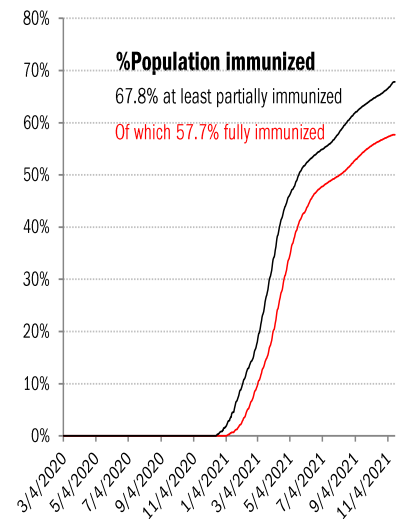
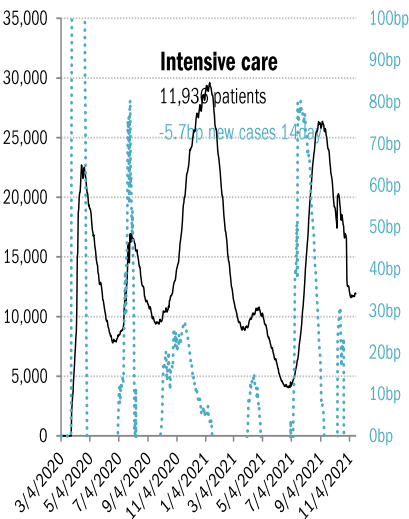
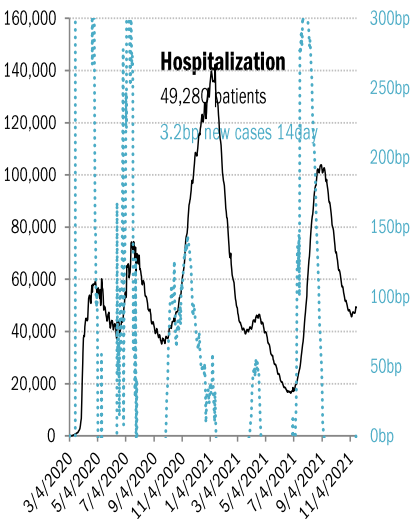
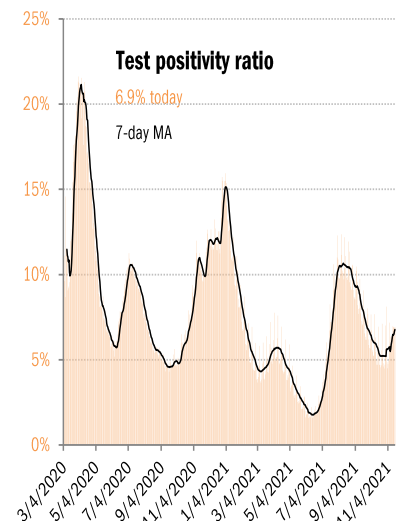
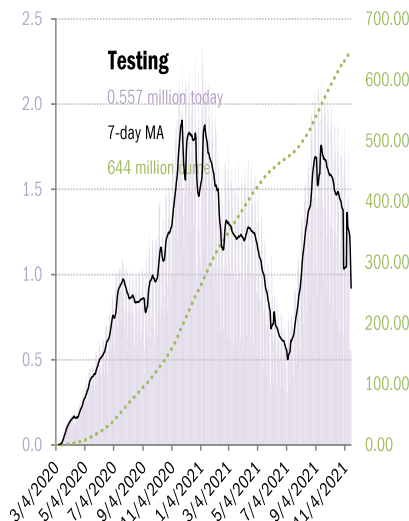
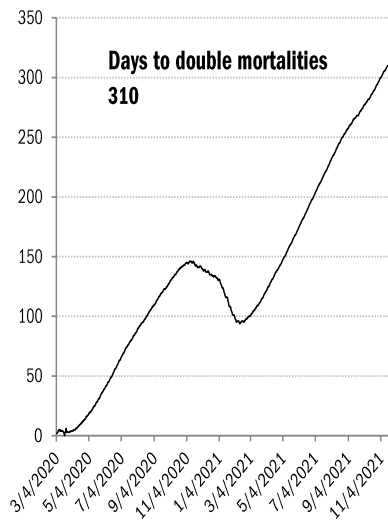
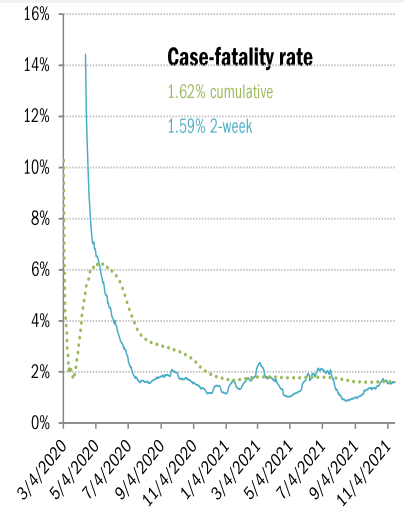
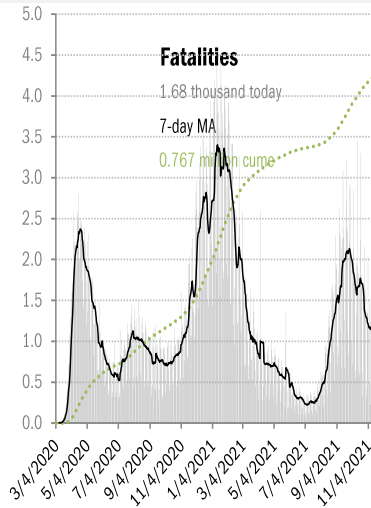
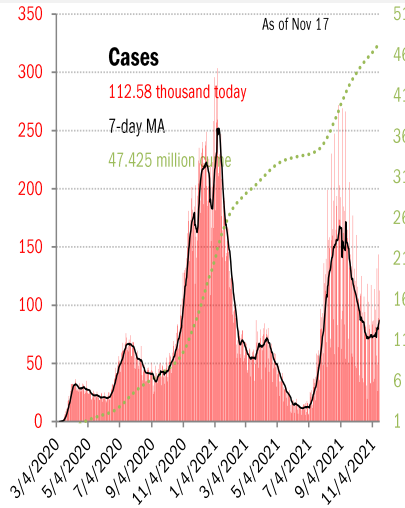
The demographics of US vaccination



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

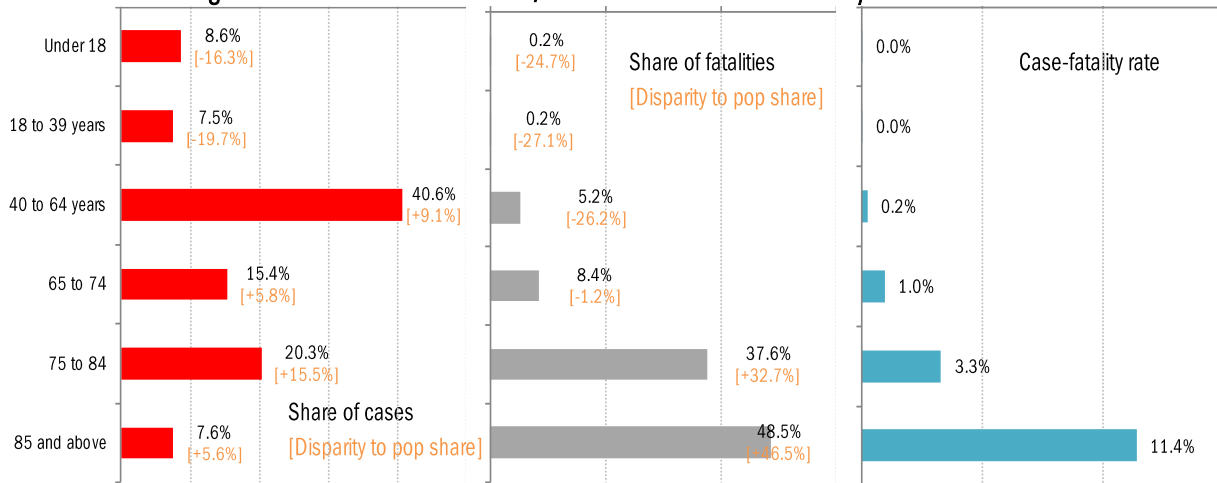
US deep-dive

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

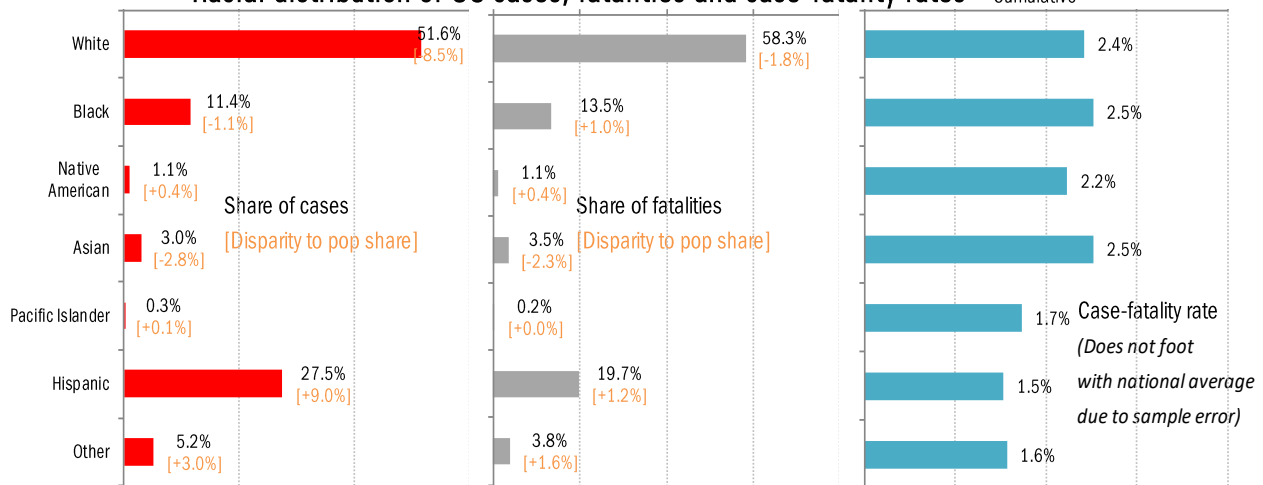


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

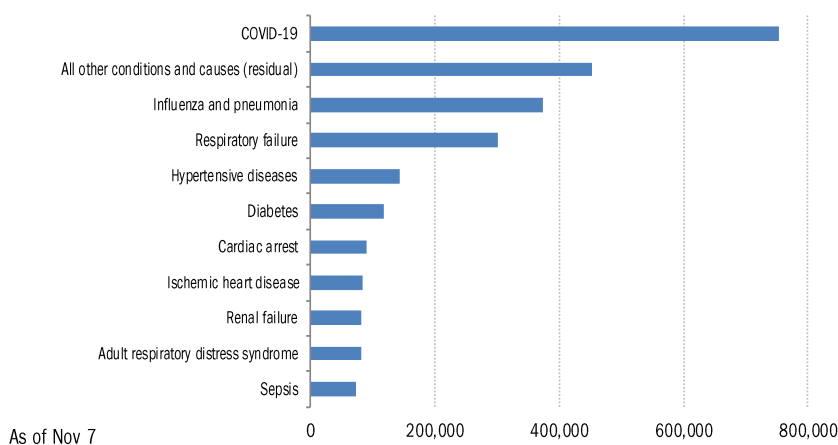


Racial distribution of US cases, fatalities and case-fatality rates



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

[White House Plans Major Expansion of Covid Vaccine Production](#)

Sheryl Gay Stolberg
New York Times
November 17, 2021

[Disney Cruise to require children 5 and up to have COVID-19 vaccination](#)

Amanda Dukes
WESH 2
November 17, 2021

[As G.O.P. Fights Mask and Vaccine Mandates, Florida Takes the Lead](#)

Patricia Mazzei
New York Times
November 17, 2021

[Why Jhoni can't read](#)

Joanne Jacobs
Linking and Thinking on Education
November 17, 2021

['Guinea Pig Kids': Fauci's Legacy of Cruel Experiments on Kids](#)

Ann Tomoko Rosen
The Defender
November 15, 2021

[Senate Republicans to formally challenge Biden OSHA vaccine mandate](#)

Brooke Singman
Fox News
November 17, 2021

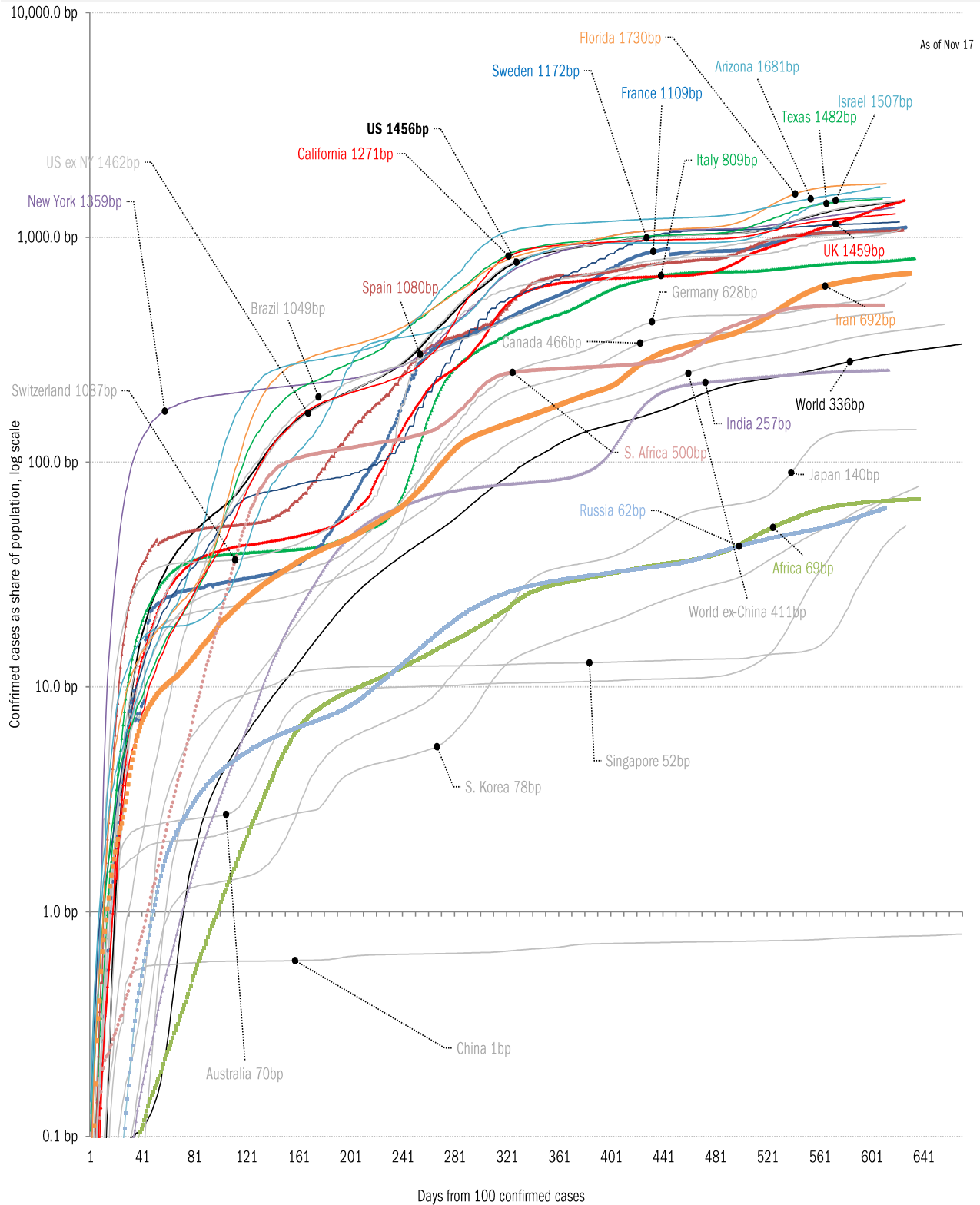
Meme of the day



Fauci: 'Individual Rights Are Not As Important As The Needs Of The Borg Collective'

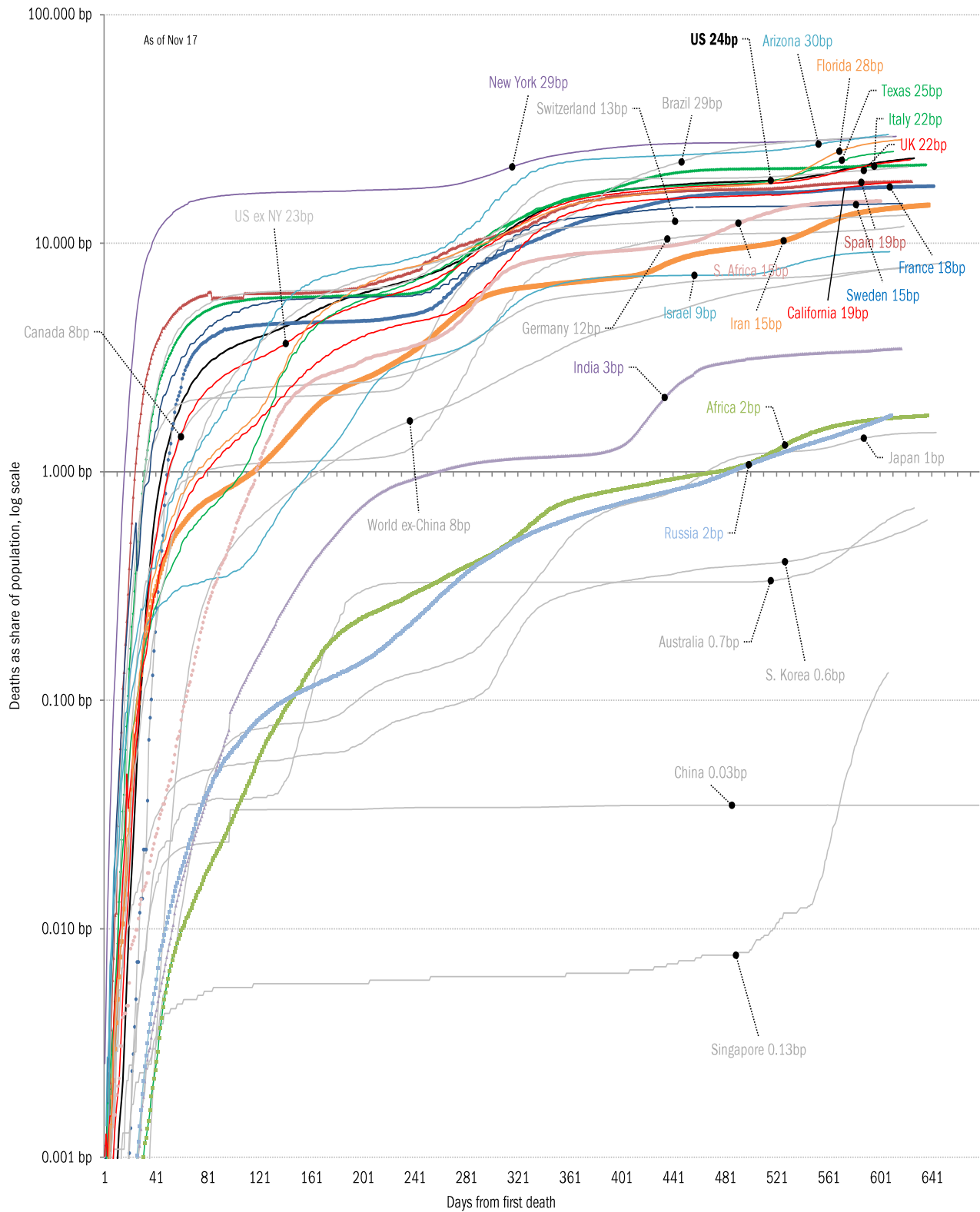
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

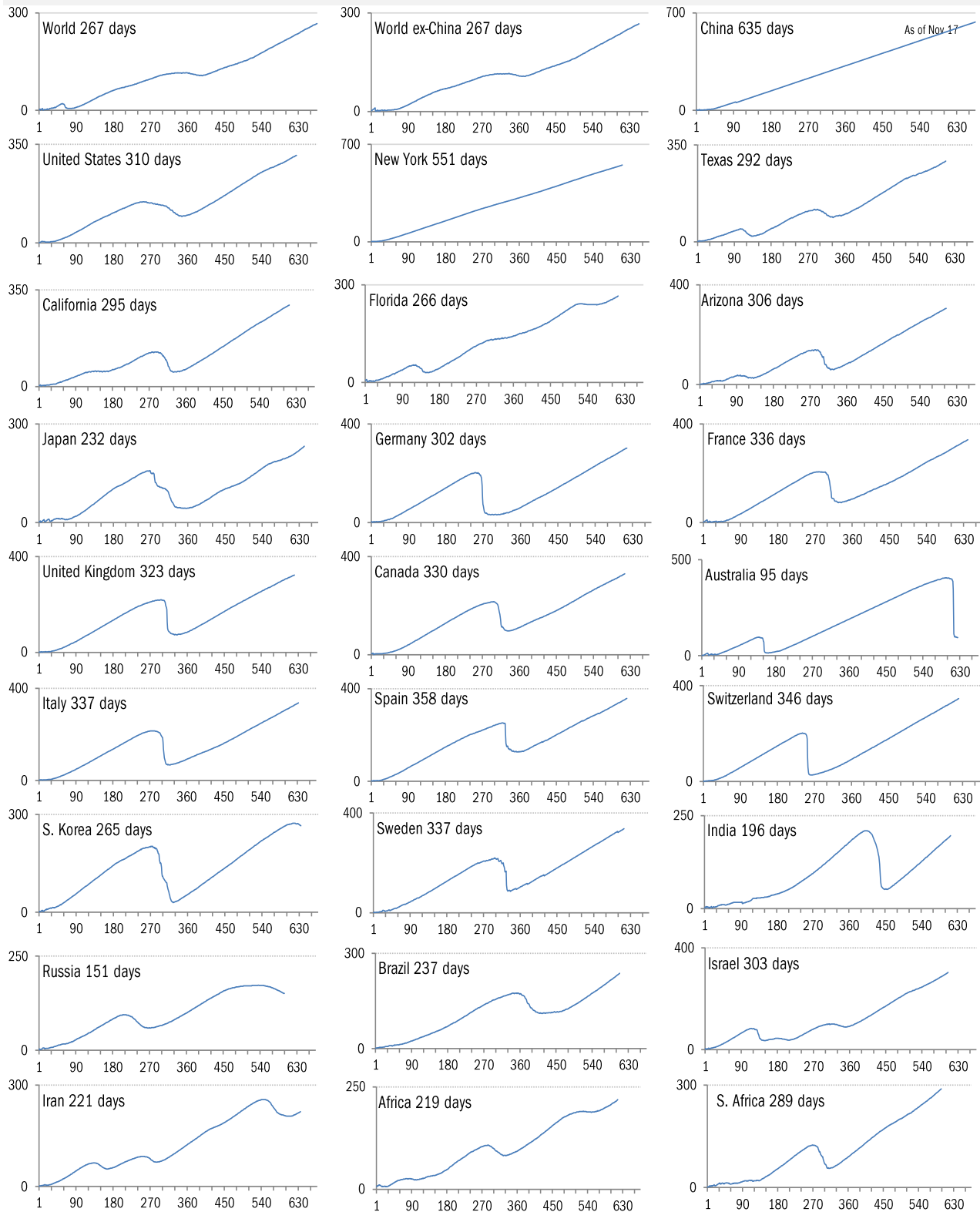


Source: [Johns Hopkins](#), TrendMacro calculations

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

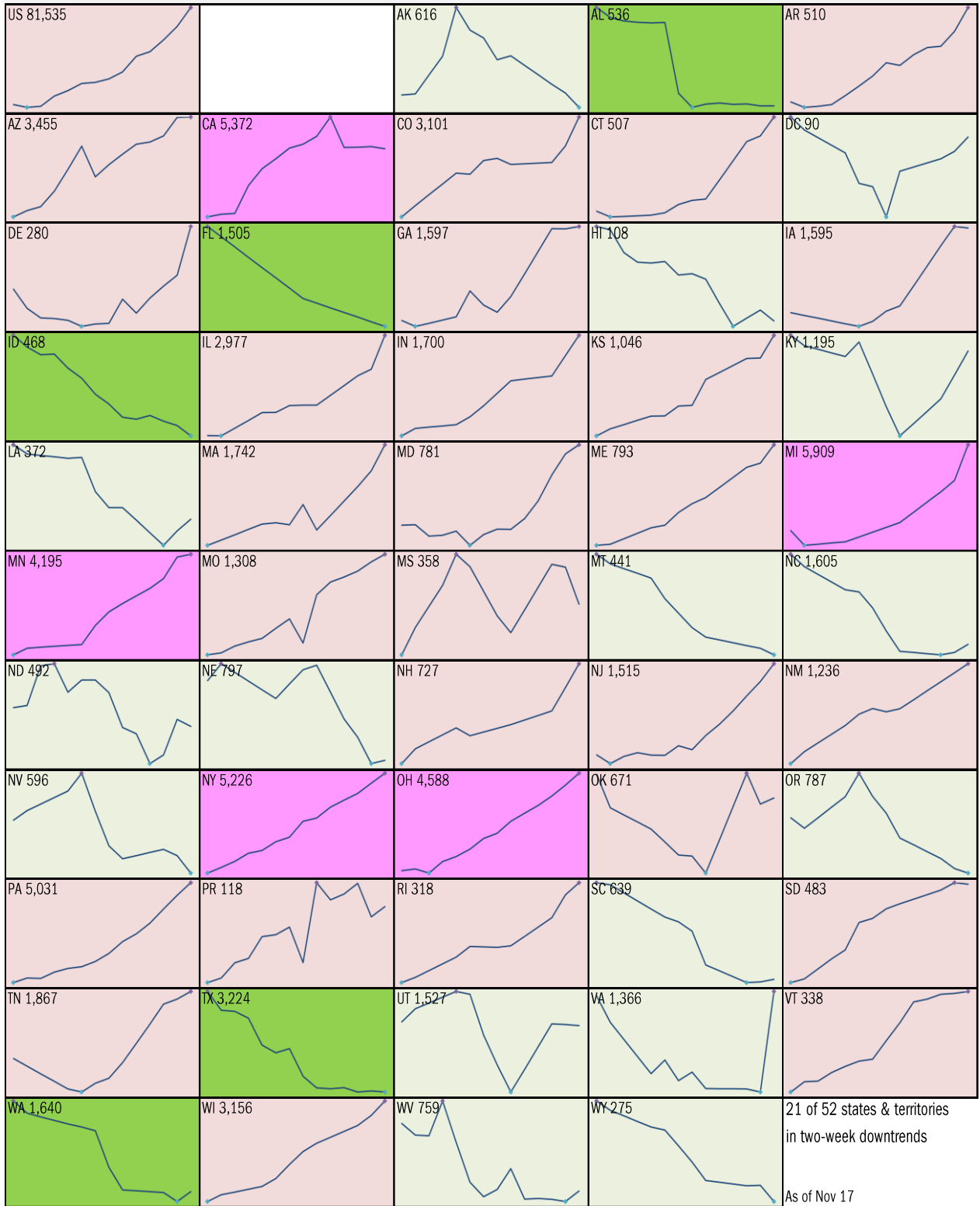
Vertical: days to double deaths Horizontal: days from first death

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

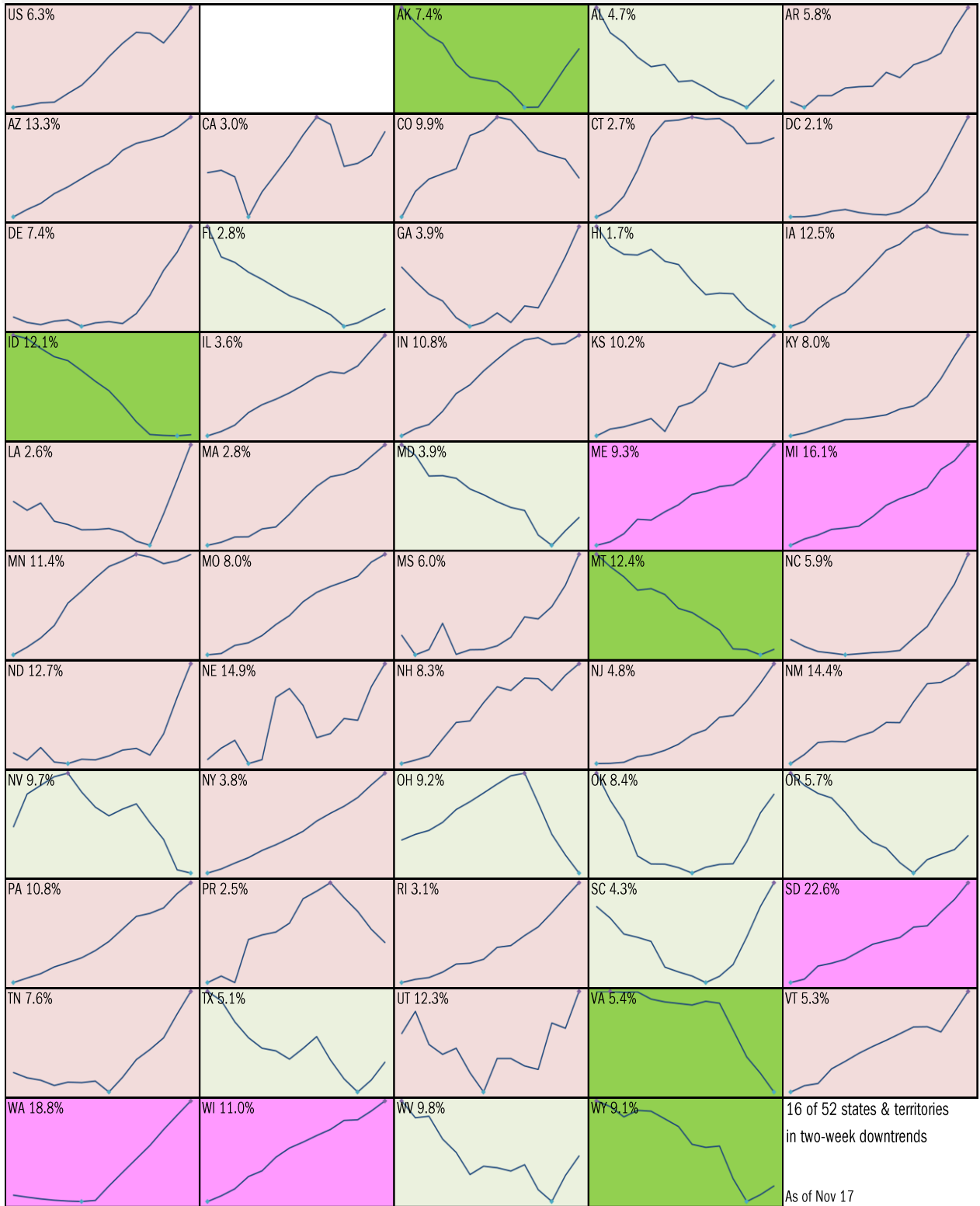


Source: [Johns Hopkins](#), TrendMacro calculations

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

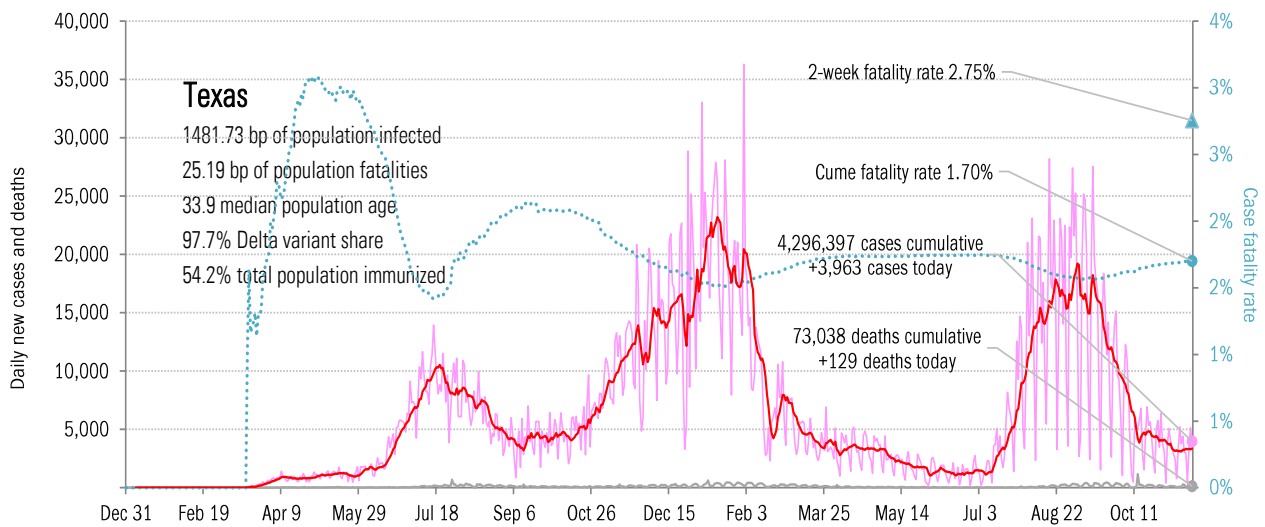
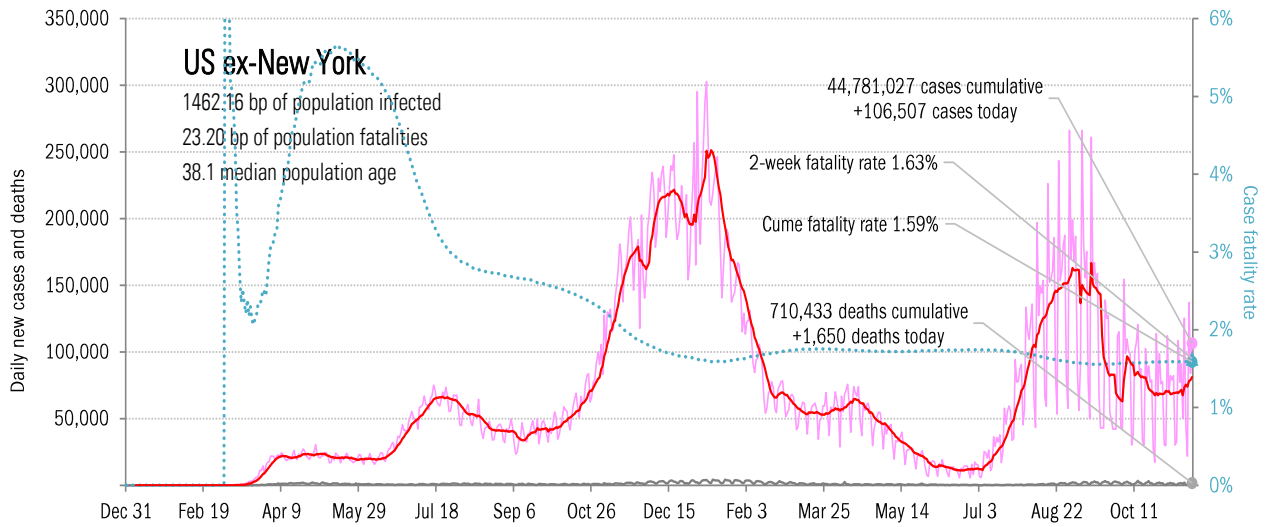
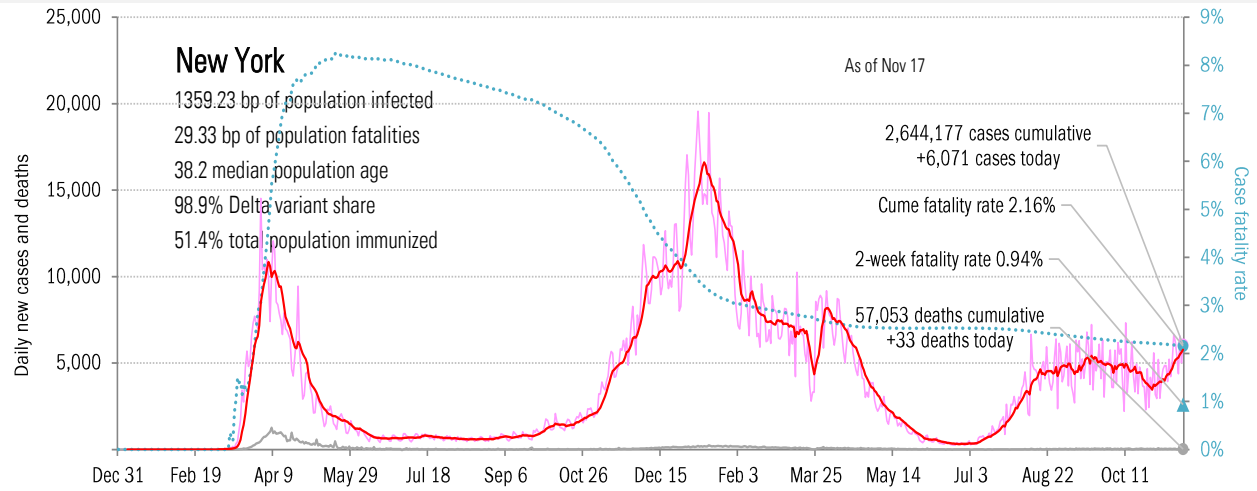
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

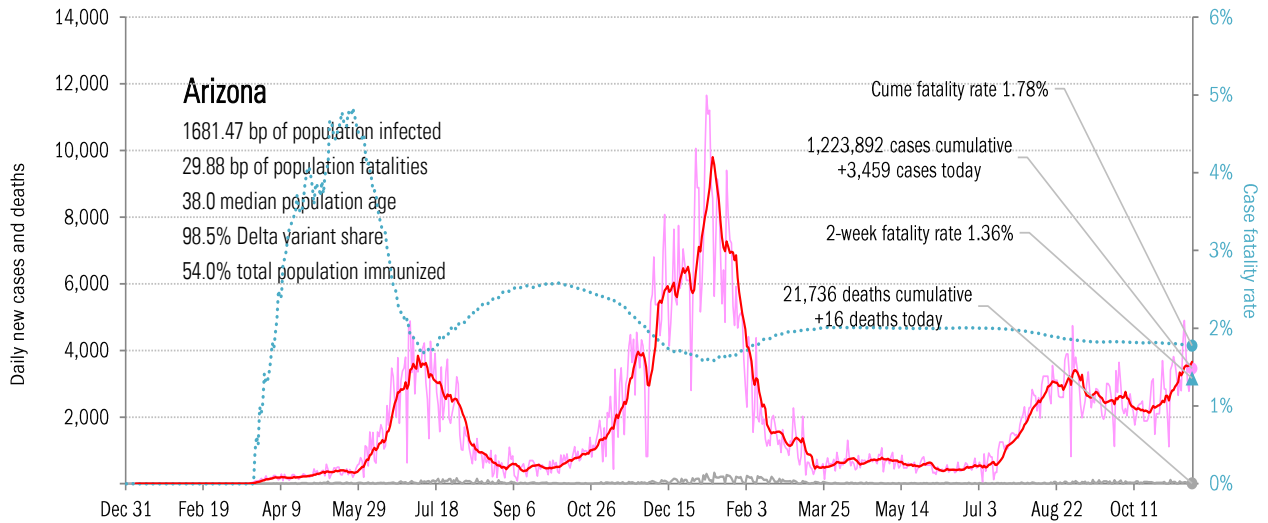
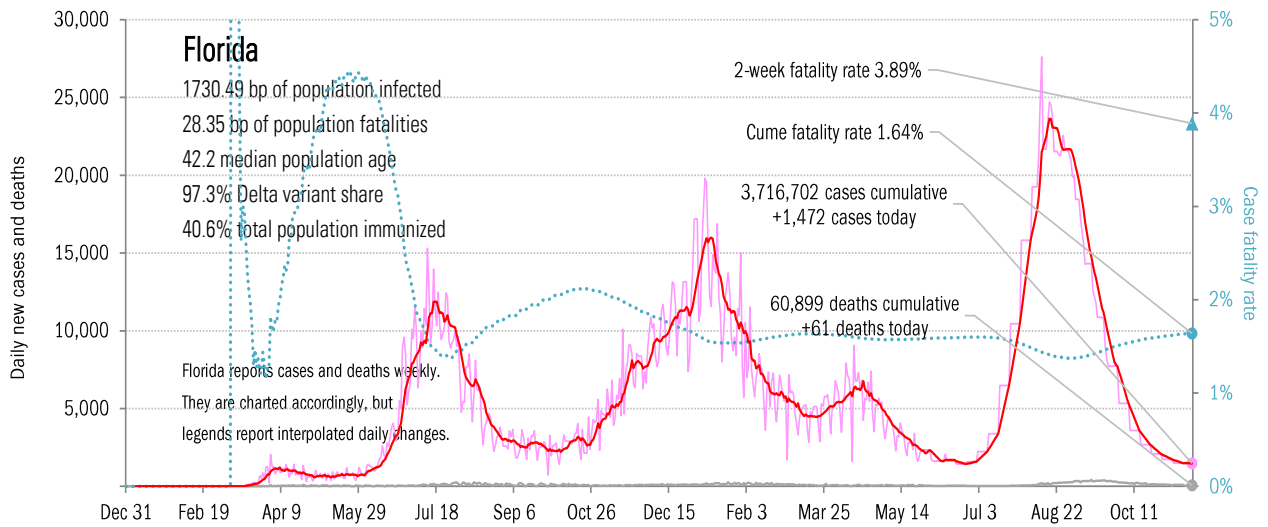
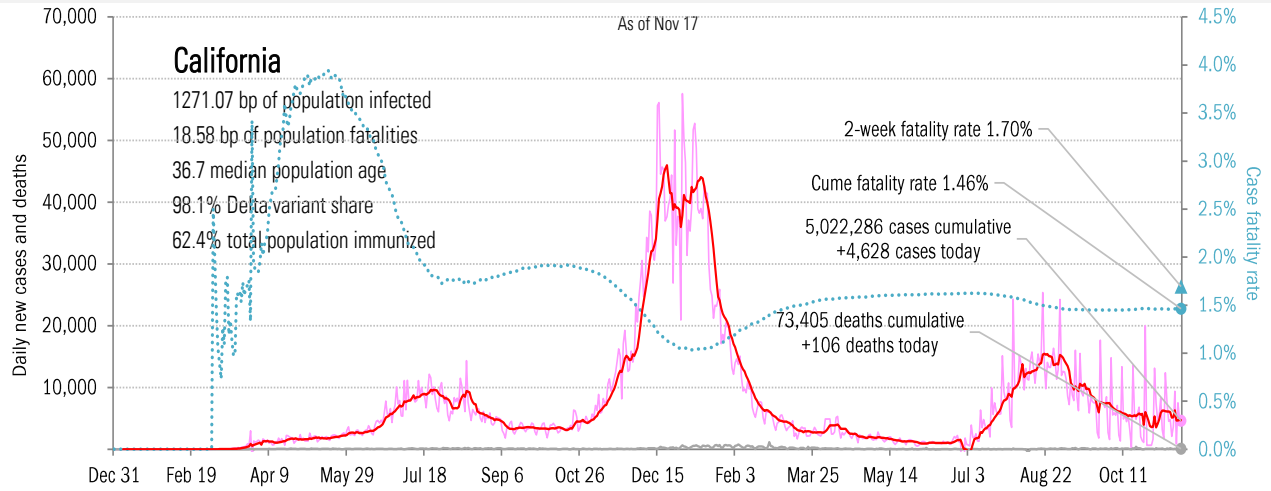
Cases: 7-day average and daily Deaths: Daily



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

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

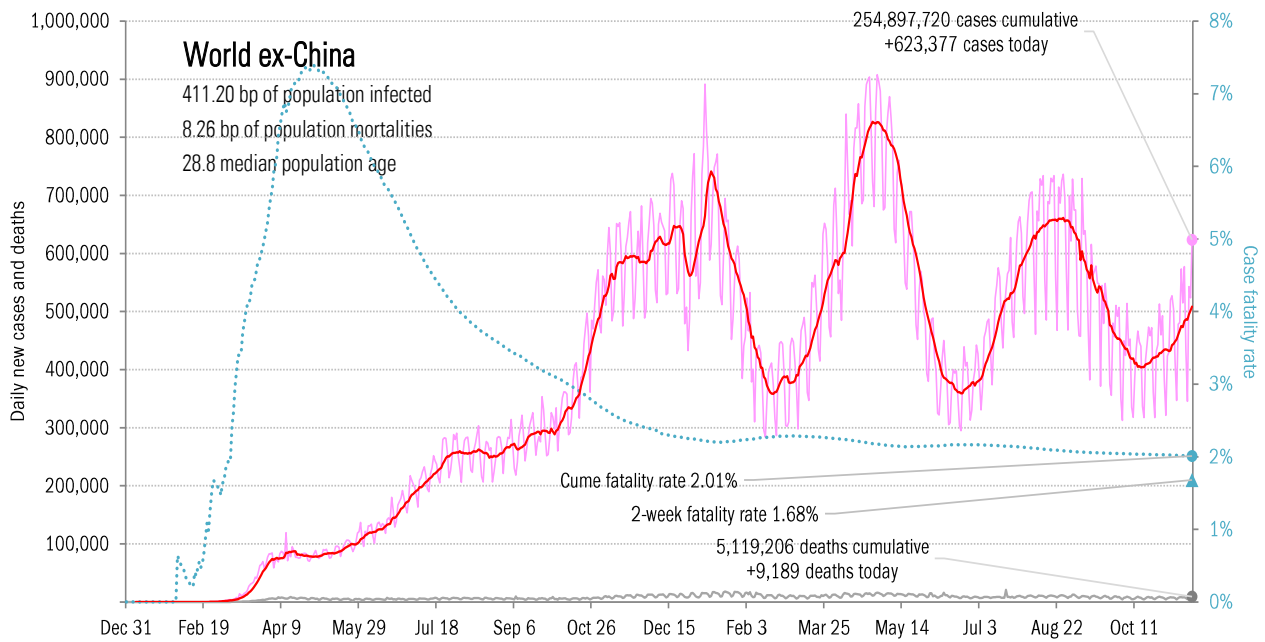
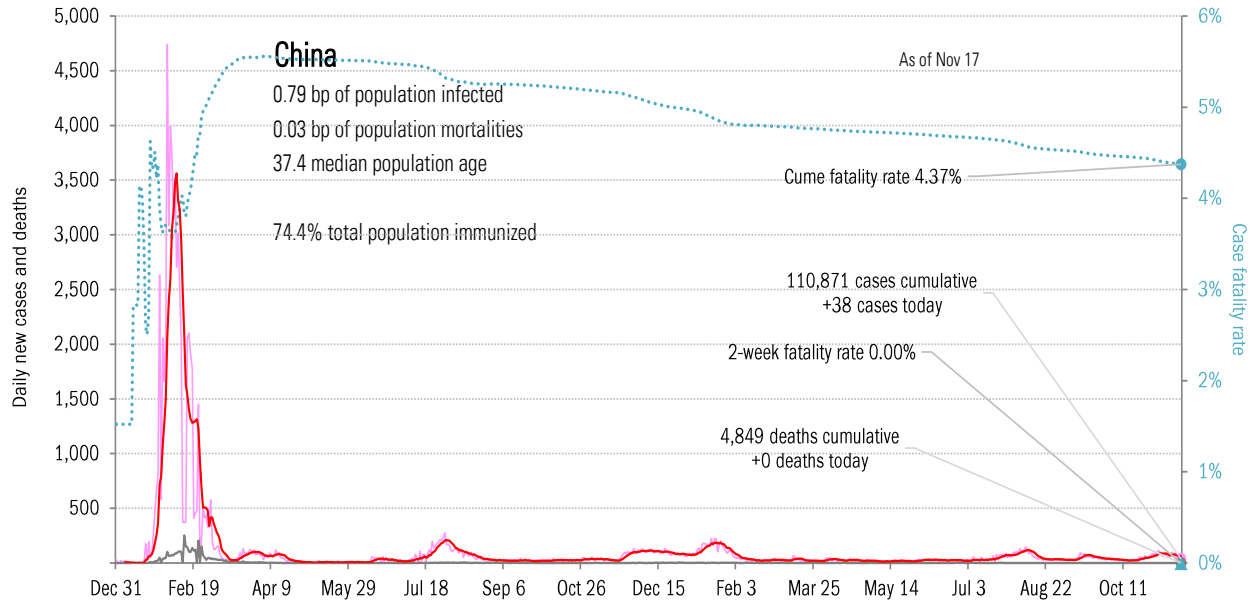
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

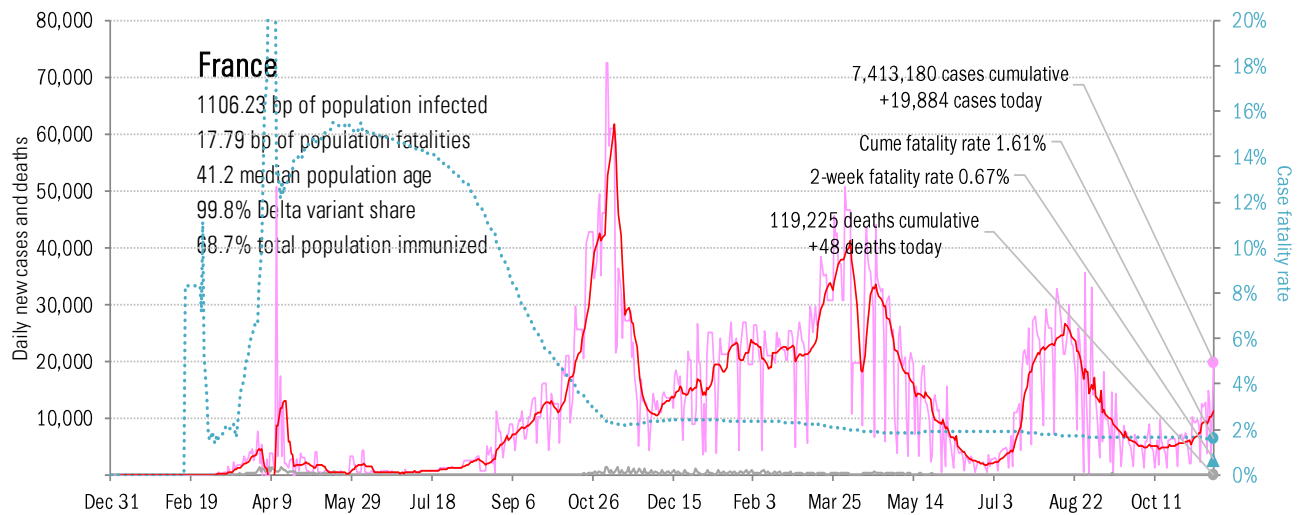
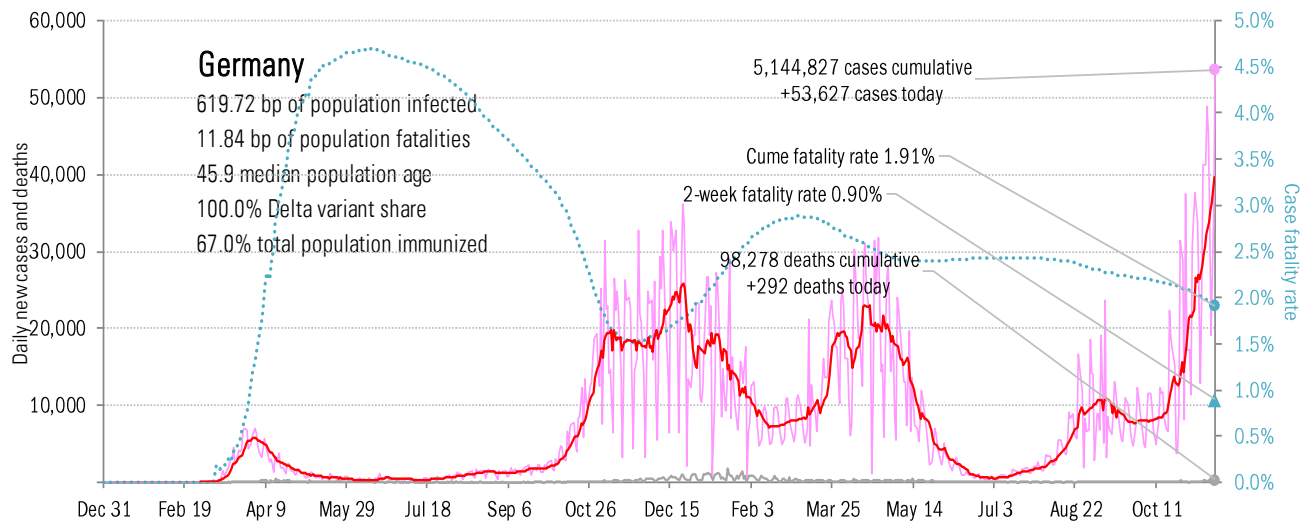
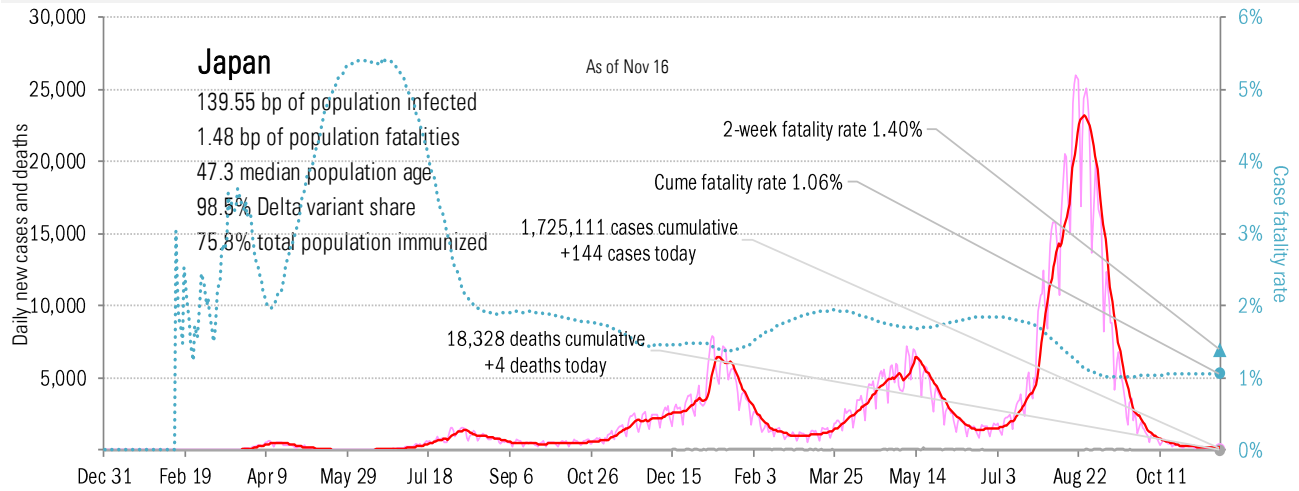
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

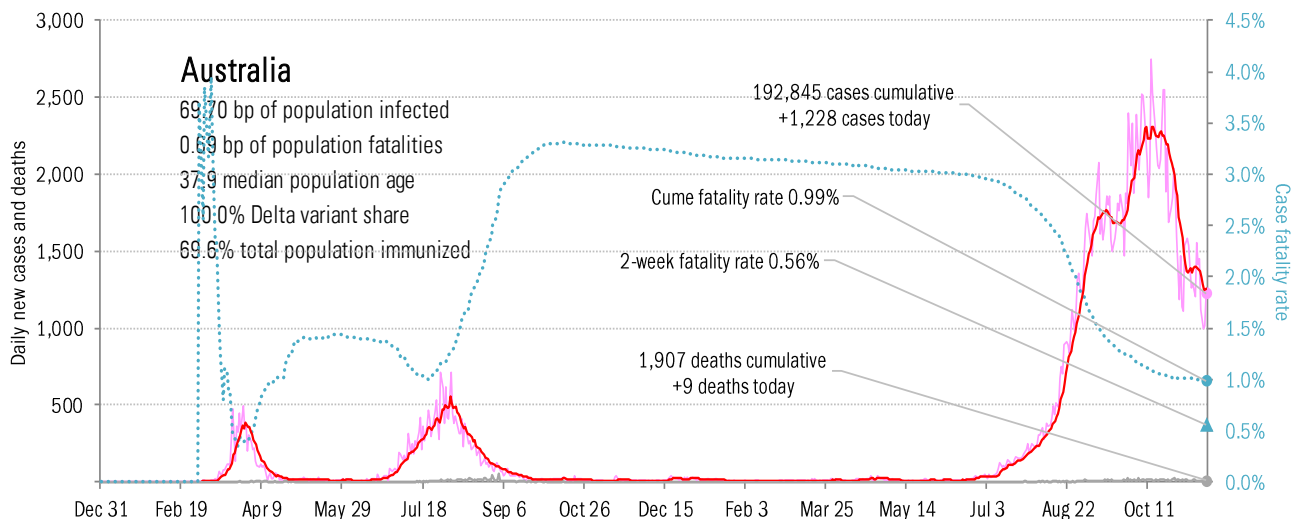
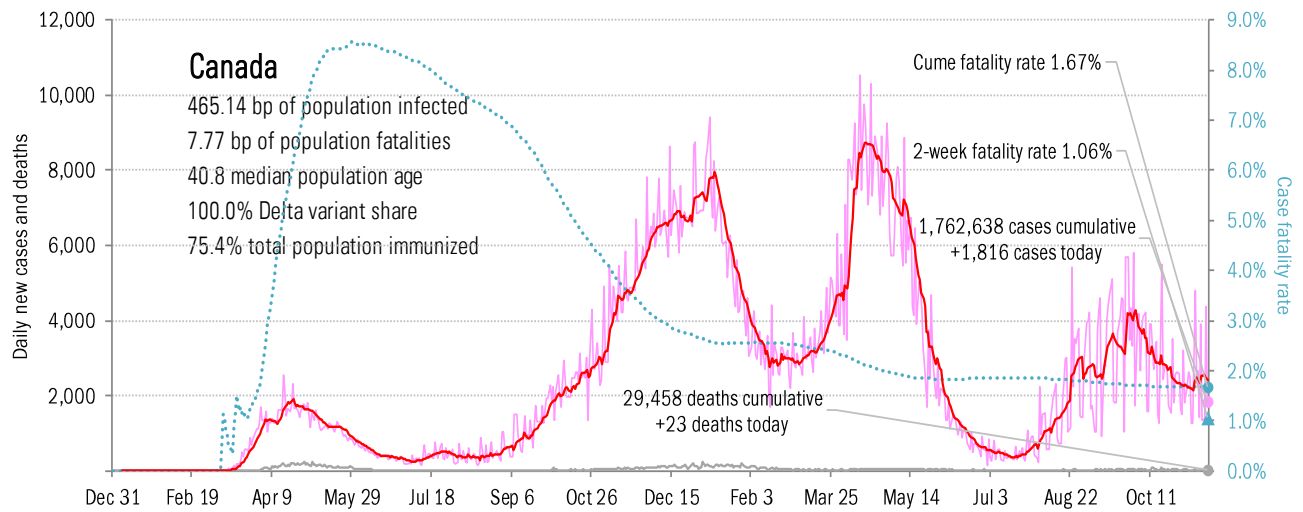
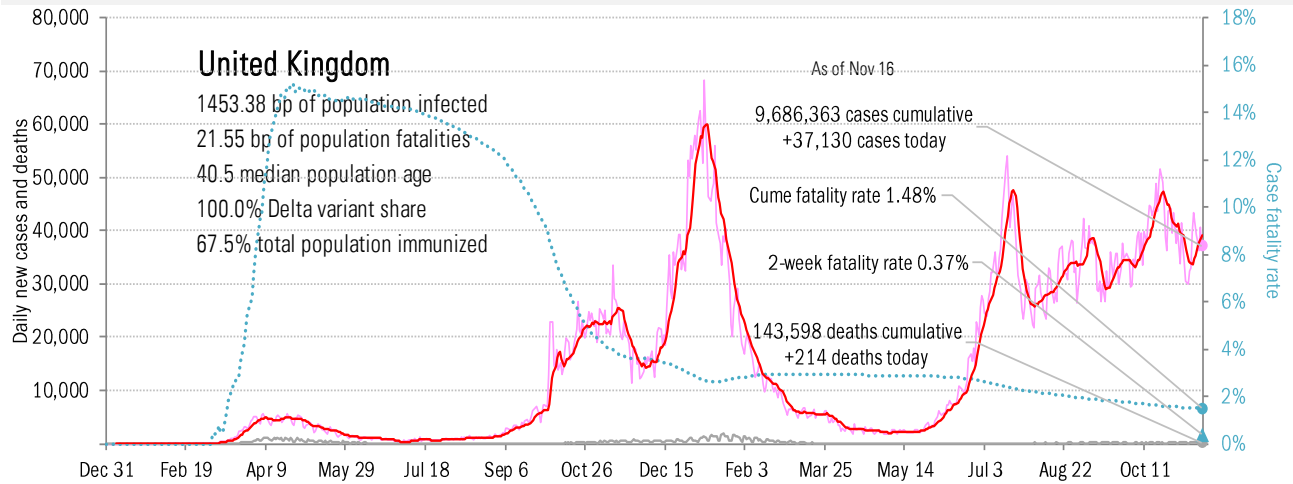
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

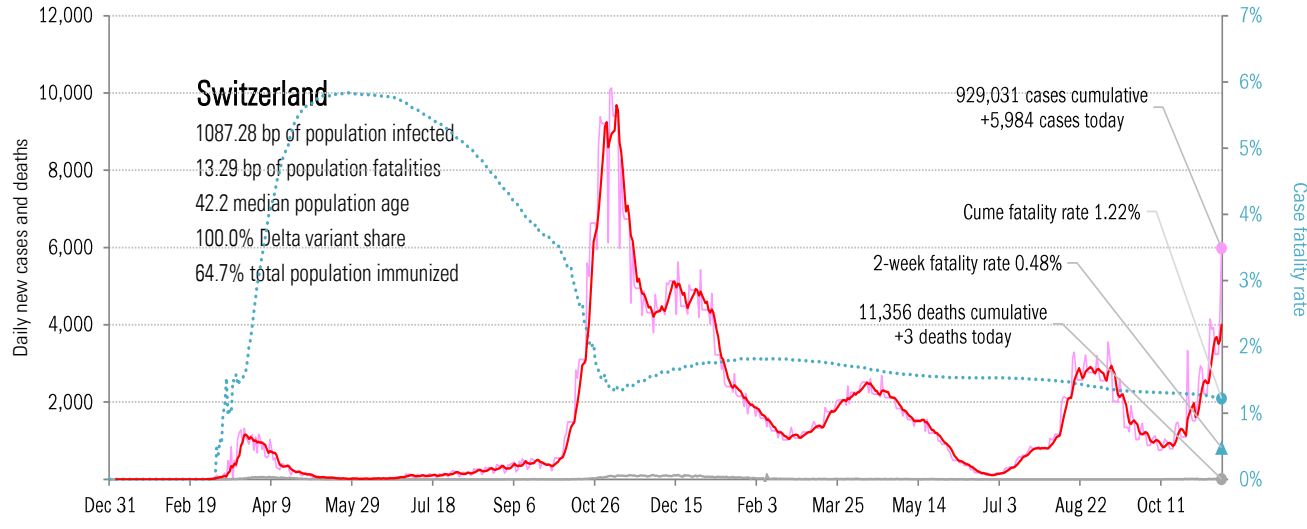
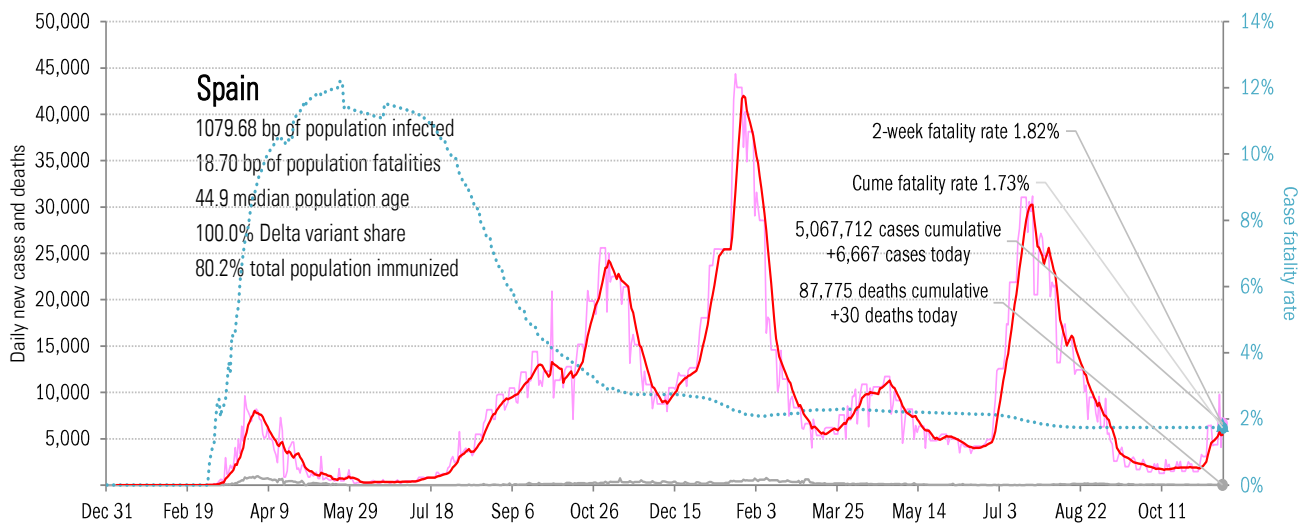
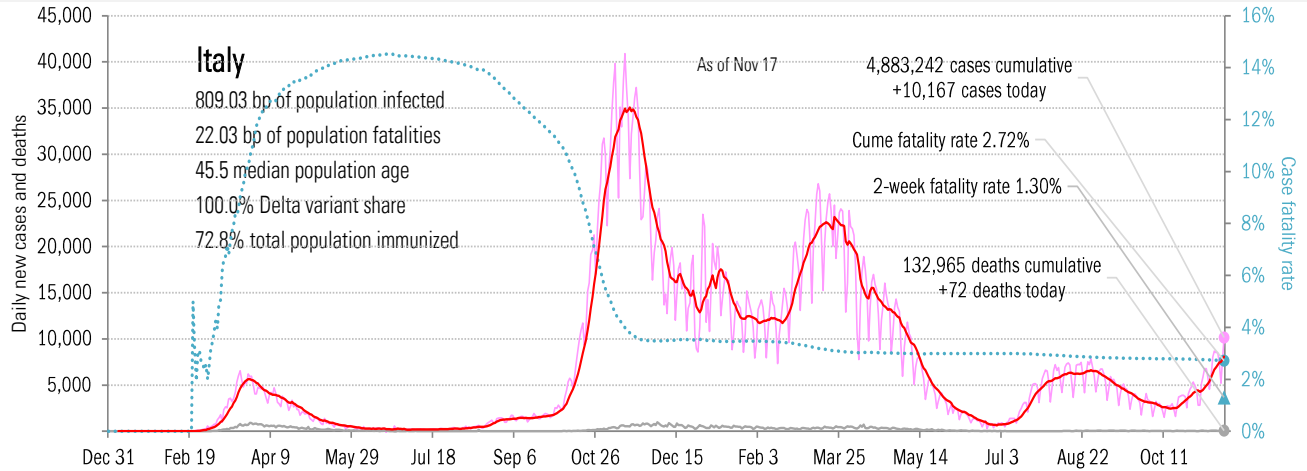
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

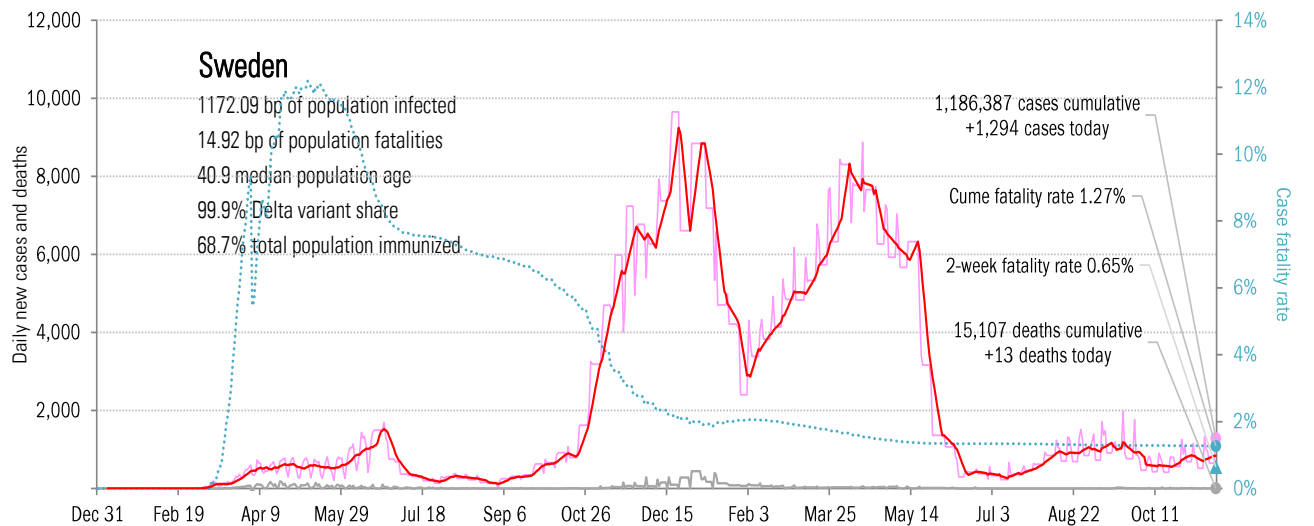
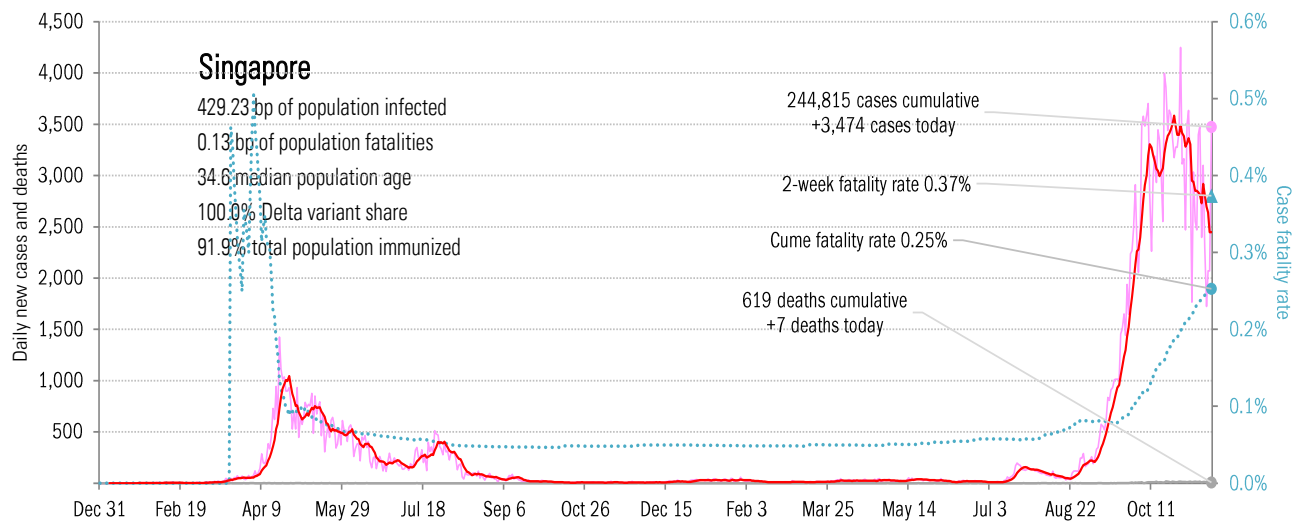
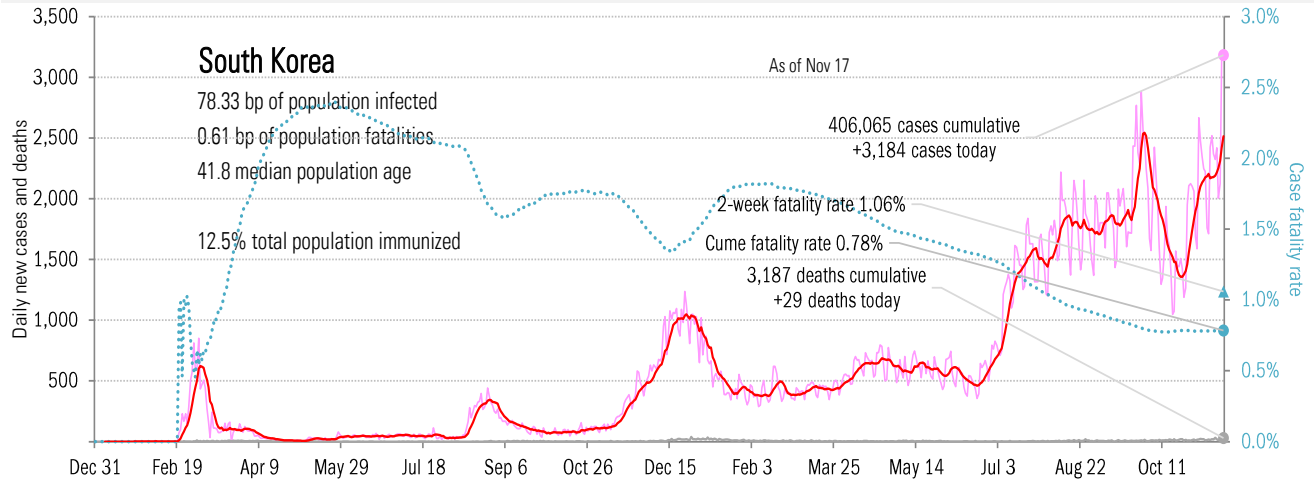
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

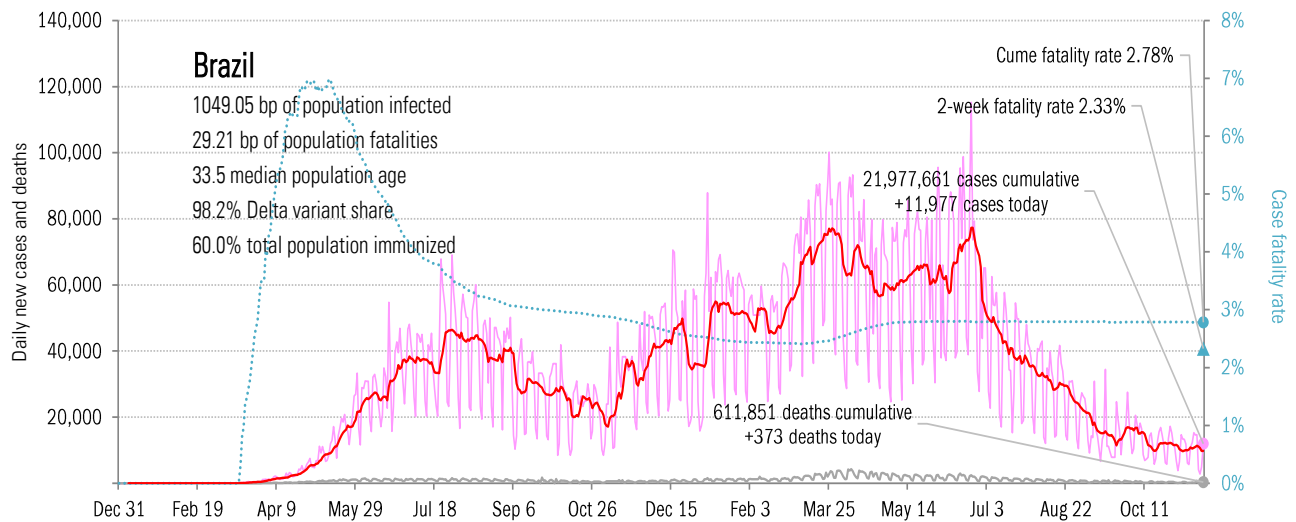
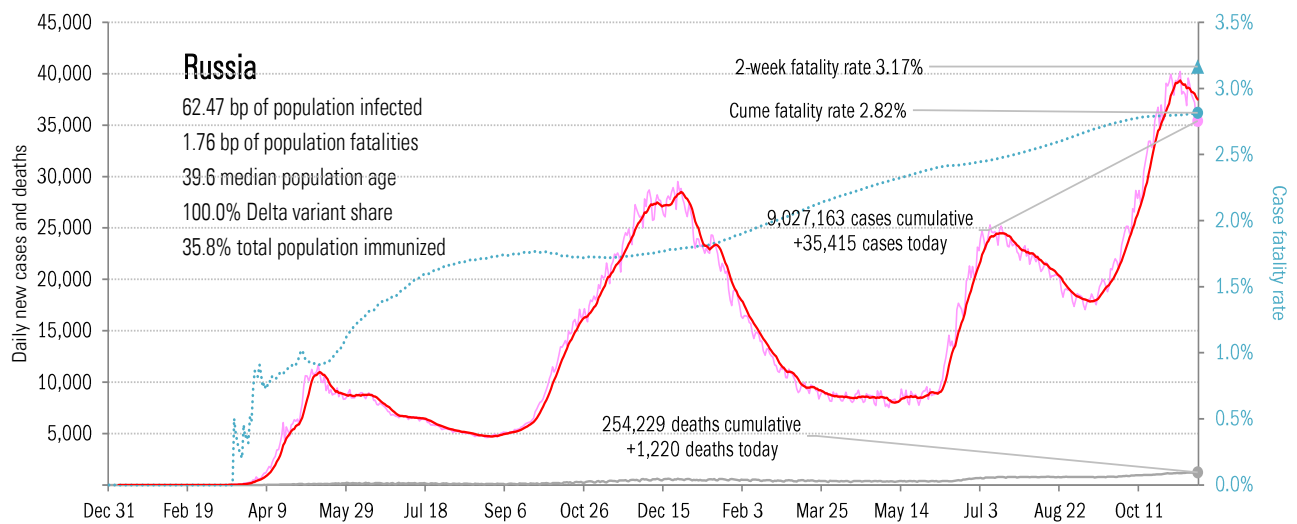
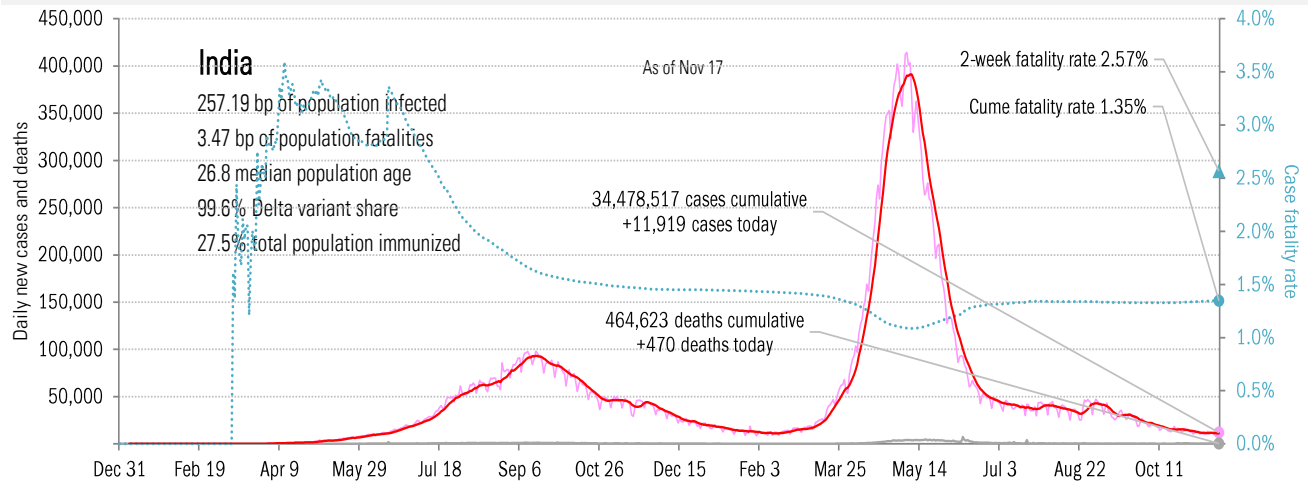
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

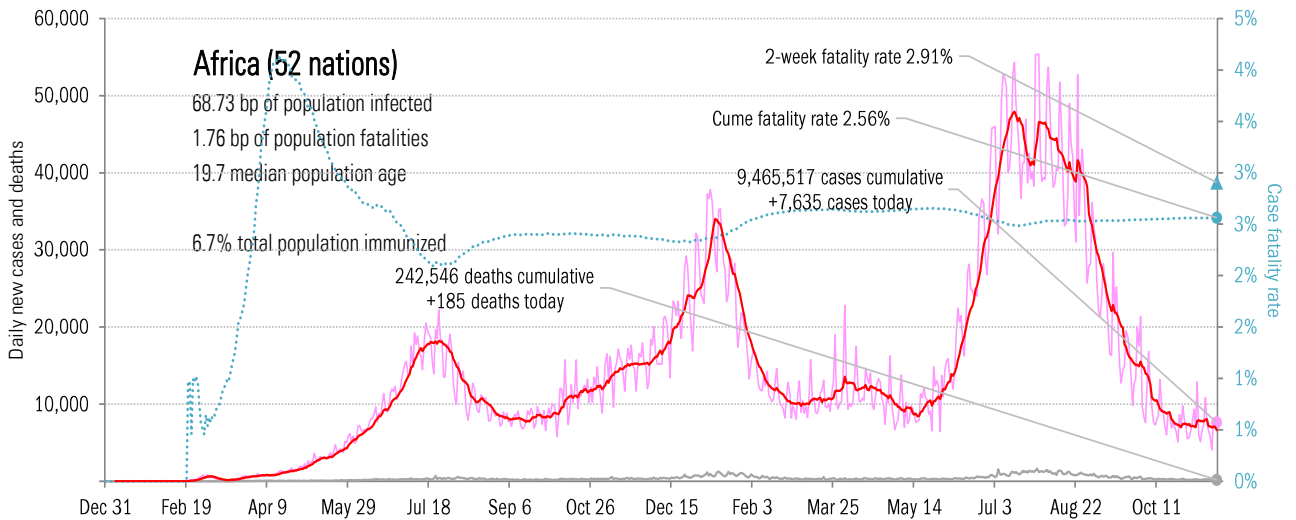
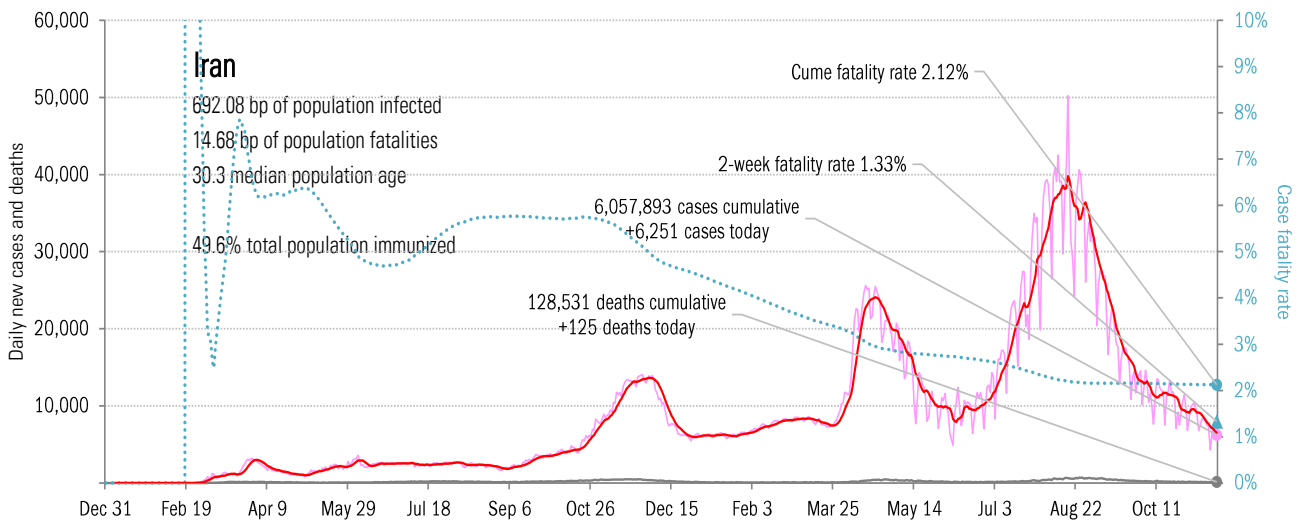
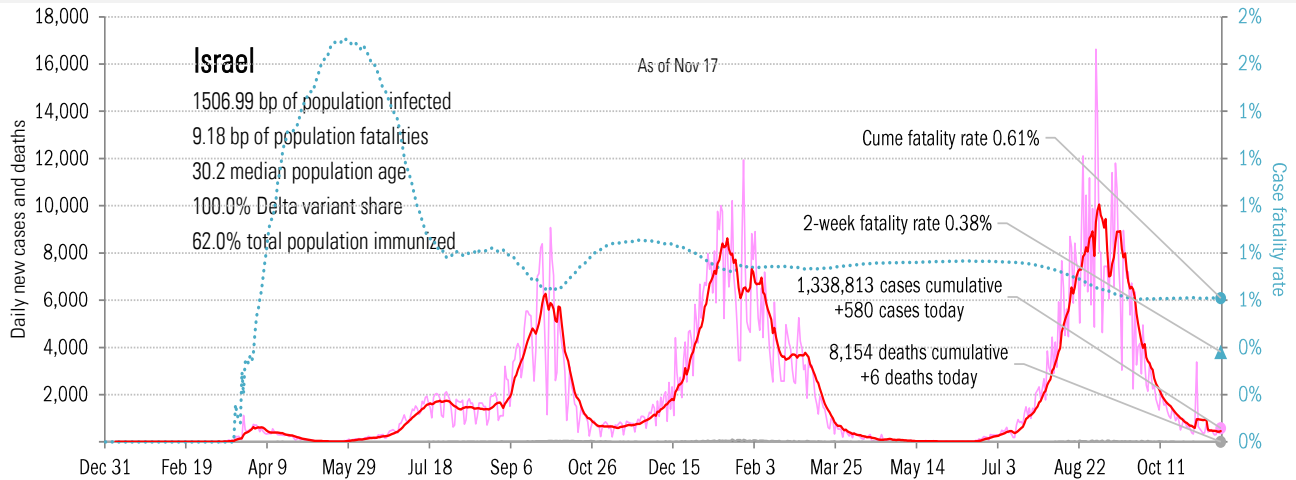
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

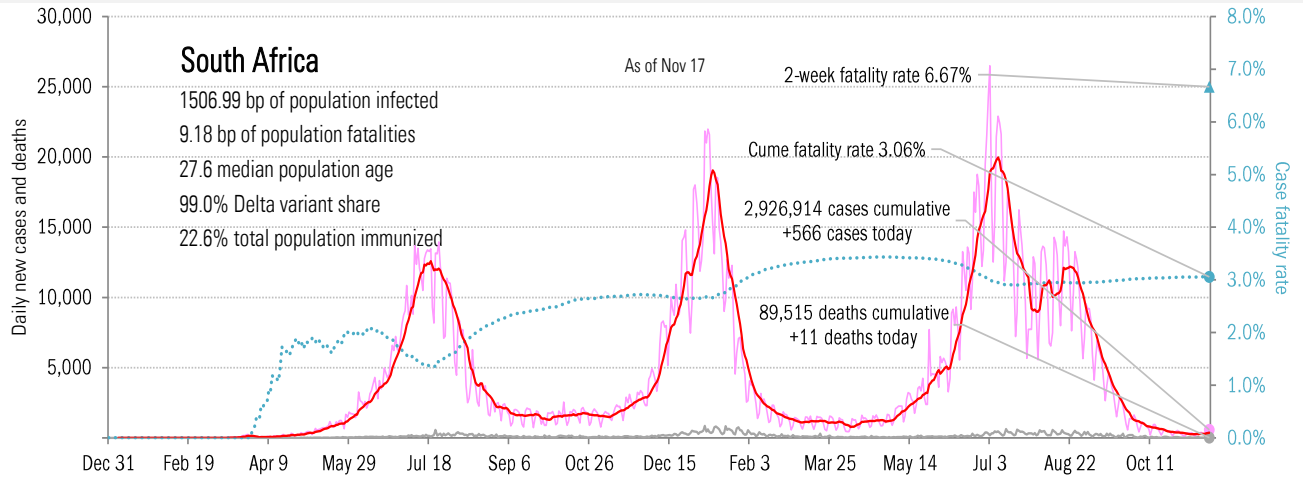
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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