

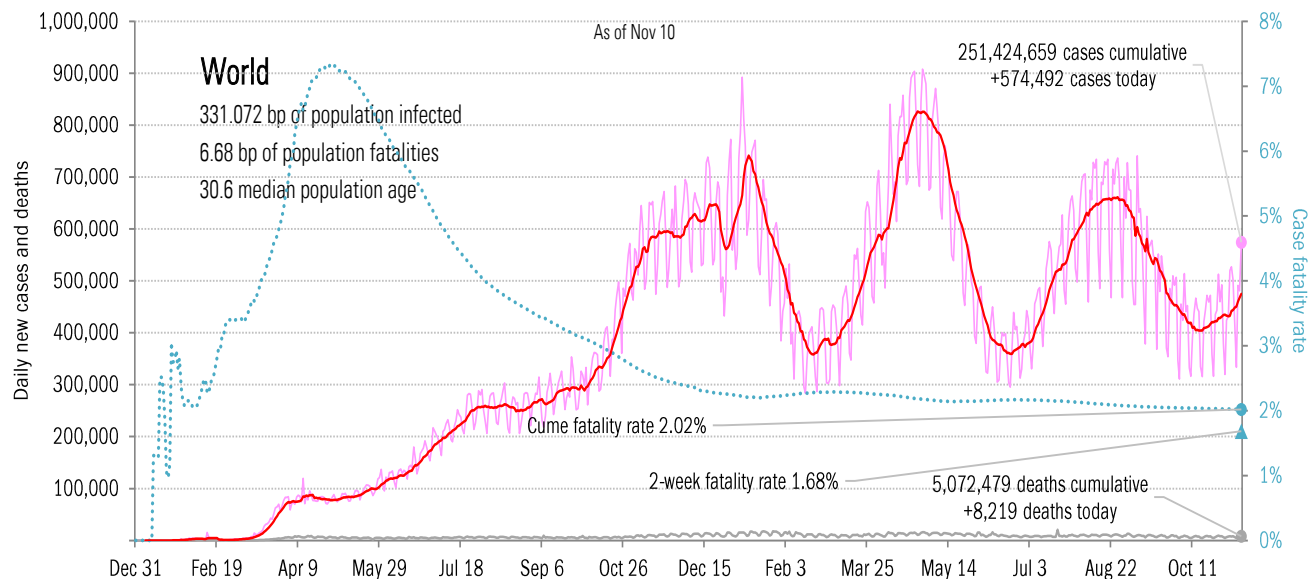
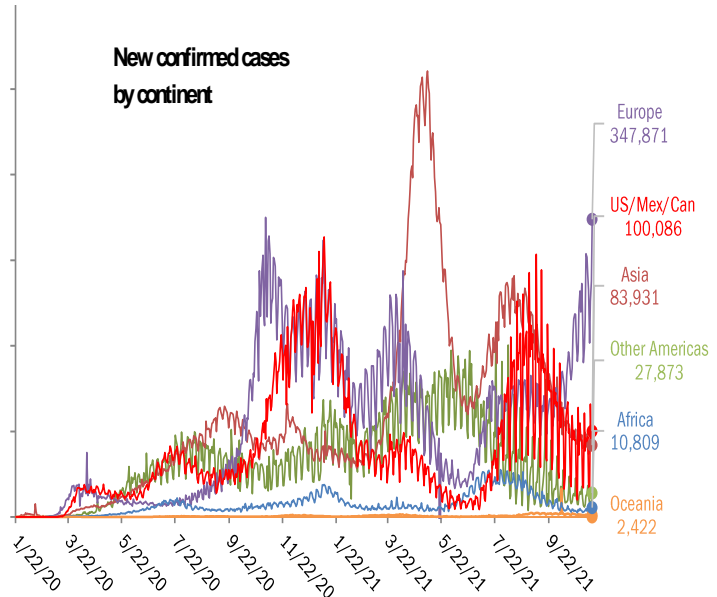
Data Insights: Covid-2019 Monitor

Thursday, November 11, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+97,429	United States	+1,732
Germany	+51,077	Russia	+1,206
United Kingdom	+39,699	Ukraine	+848
Russia	+36,896	Romania	+405
Turkey	+27,259	India	+340
Belgium	+24,718	Brazil	+280
Ukraine	+24,445	Poland	+270
Poland	+18,546	Germany	+235
Czechia	+14,579	United Kingdom	+216
India	+13,091	Turkey	+203
+347,739		+5,735	
World	+574,492	World	+8,219
Top ten	61%	Top ten	70%



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

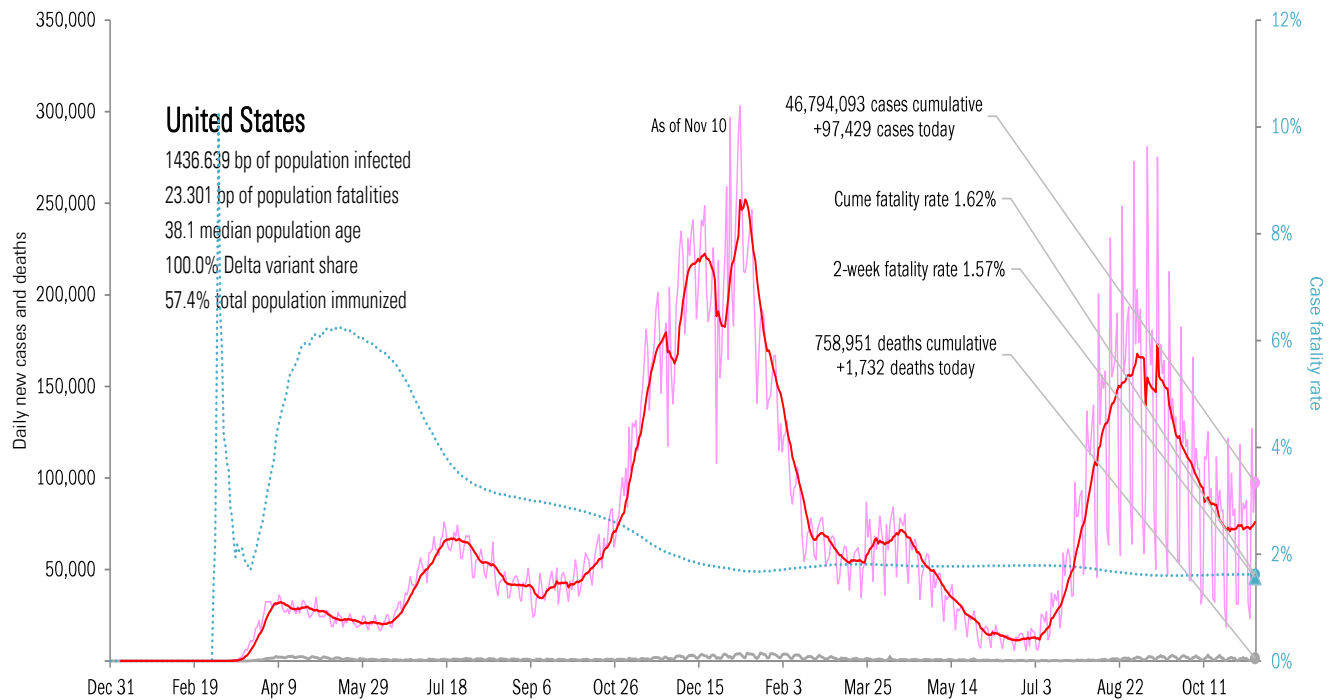
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+9,365		PA	+196		MI	+85		CA	4,985,297		CA	72,857		TX	377,521		MA	85%	NM	90%
PA	+6,936		MI	+190		GA	+44		TX	4,273,003		TX	72,130		FL	320,190		PA	85%	KY	88%
CH	+5,527		CA	+176		NY	+41		FL	3,706,372		FL	60,453		CA	313,899		RI	85%	NE	88%
MN	+5,265		FL	+107		TX	+37		NY	2,603,833		NY	56,828		NY	165,990		WA	84%	TX	87%
NY	+5,103		GA	+102		VI	+33		IL	1,727,634		PA	32,188		GA	160,795		MI	84%	RI	87%
IL	+5,044		IA	+97		IN	+30		GA	1,644,997		GA	29,749		CH	126,347		GA	83%	AL	86%
CA	+4,401		KS	+78		MO	+30		PA	1,608,022		IL	28,461		PA	119,245		MN	83%	ID	85%
WI	+4,078		OR	+75		CO	+29		CH	1,585,798		NJ	28,134		KY	112,048		MD	82%	CO	85%
CO	+3,936		MN	+43		NM	+24		NC	1,497,677		CH	25,282		IL	106,125		ND	81%	PA	84%
TX	+3,774		KY	+42		MN	+23		MI	1,329,089		MI	24,217		MI	94,337		NY	81%	MI	84%
+53,429			+1,106			+376			24,961,722			430,299			1,896,497						
All states	+97,429			+1,732			+310		All states	46,794,093			758,951			3,396,108		All states	70%		67%
Top ten	55%			64%			121%		Top ten	53%			57%			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	
FL	-2,062	CH	-215	CA	-116	TN	+60 bp
MN	-1,900	TX	-83	NV	-56	AR	+10 bp
GA	-1,857	TN	-64	AR	-23	CO	+10 bp
IA	-1,610	GA	-62	MS	-23	CT	+10 bp
TX	-1,437	WY	-55	CH	-23	H	+10 bp

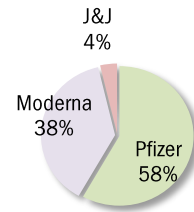


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	446,557,250	+1.362 million	US	57.4%	66.8%
Boosters	26,534,022	+0.736 million	UK	67.3%	73.8%
	One dose	% Pop	Immune	% pop	New immune today
Total population	230,377,861	69%	199,414,677	60%	+0.219 million
Age 12 to 17	14,331,568	60%	12,053,982	51%	+0.020 million
Age 18 to 64	158,806,980	78%	137,813,829	68%	+0.166 million
Age 65 and over	55,734,384	100%	48,615,973	89%	+0.031 million

France	68.5%	76.1%
Spain	80.1%	81.5%
Germany	66.7%	69.2%
Italy	72.3%	77.5%
Australia	68.2%	75.3%
Israel	61.9%	67.3%
Canada	75.0%	78.8%
Japan	74.7%	78.5%
Africa	6.3%	9.5%
India	25.3%	53.5%
Brazil	58.3%	75.3%
China	74.3%	80.0%



State

At least partial immunity as % population

Full immunity as % population

Best

Middle

Worst

Every American >18 immunized in **140 days** by Mar 29, 2022

72.2% of population >18 immunized

16.7% previously tested positive

88.9% vs 60% adult herd immunity

Global data differs due to sources, timing

AK

60.1%

53.1%

WI

63.4%

58.8%

ME

78.1%

71.2%

As of Nov 10

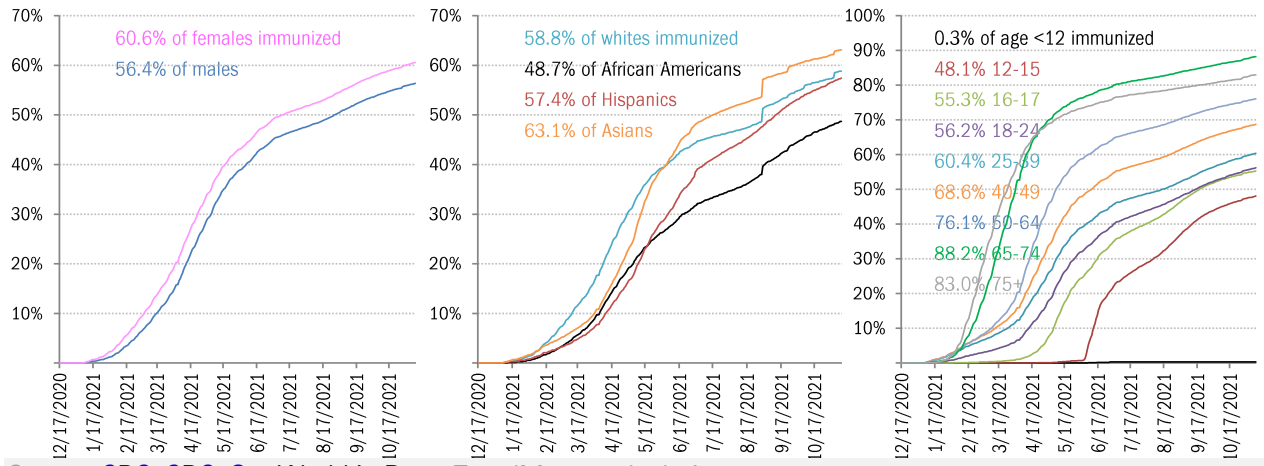
WA 70.1% 64.1%	ID 49.7% 44.4%	MT 57.6% 51.0%	ND 55.8% 48.0%	MN 66.1% 61.7%	IL 66.6% 61.1%	MI 58.9% 53.9%	NY 75.3% 67.3%	VT 80.9% 71.8%	NH 79.6% 63.4%	
OR 69.1% 63.3%	NV 64.3% 53.5%	WY 51.7% 44.6%	SD 63.3% 53.5%	IA 60.5% 56.0%	IN 54.3% 50.1%	OH 56.4% 52.3%	PA 80.5% 61.3%	NJ 76.2% 66.9%	MA 81.6% 70.2%	
CA 75.7% 61.9%	UT 61.9% 54.4%	CO 68.6% 62.2%	NE 61.7% 56.6%	MO 57.6% 50.2%	KY 58.2% 51.2%	WV 49.2% 41.1%	VA 72.3% 63.7%	MD 73.6% 66.5%	CT 80.3% 71.2%	RI 79.4% 71.5%
	AZ 61.9% 53.6%	NM 73.2% 62.6%	KS 63.6% 53.7%	AR 58.7% 48.5%	TN 55.2% 48.7%	NC 66.0% 53.3%	SC 58.4% 50.5%	DC 76.6% 63.2%	DE 70.1% 60.5%	
			OK 60.5% 50.6%	LA 54.3% 48.1%	MS 52.6% 46.2%	AL 55.1% 45.2%	GA 57.5% 48.8%			
			TX 62.0% 53.8%					FL 69.8% 60.2%	PR 82.8% 74.0%	

HI

79.7%

60.2%

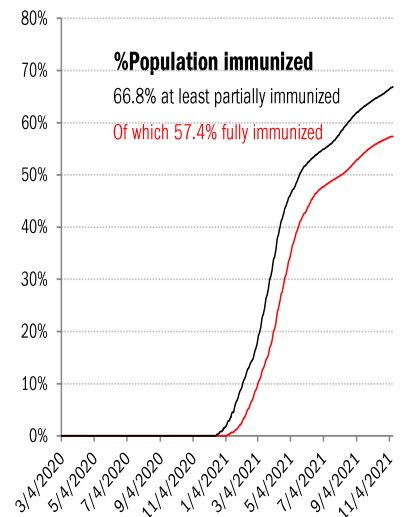
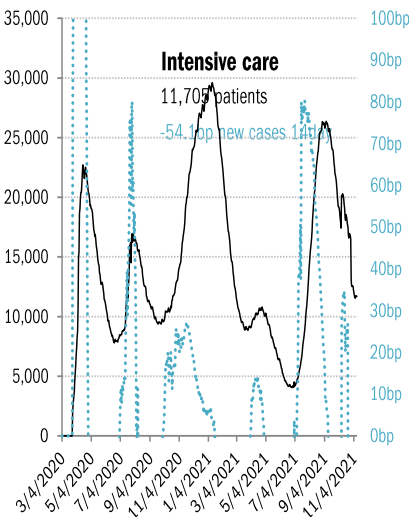
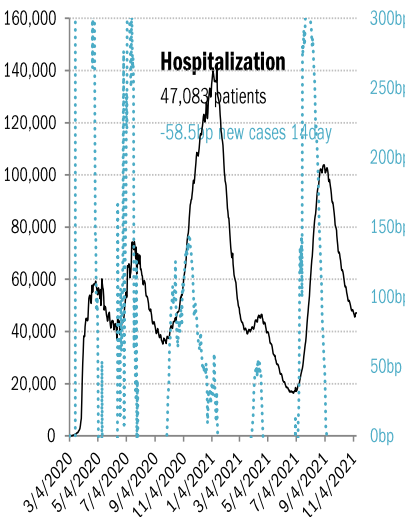
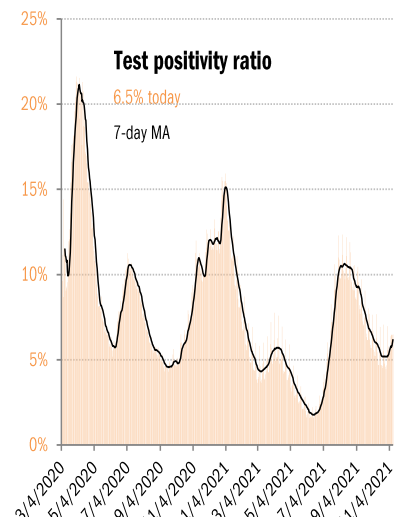
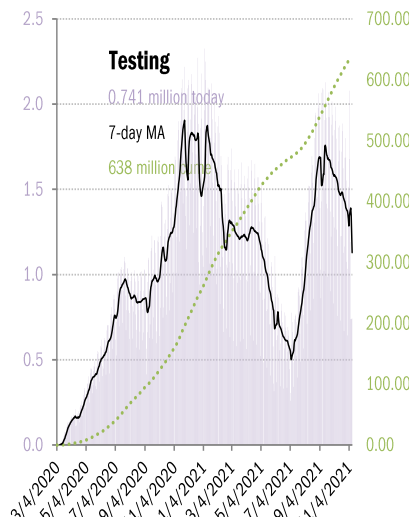
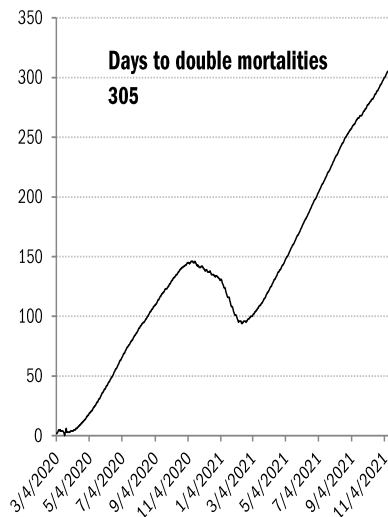
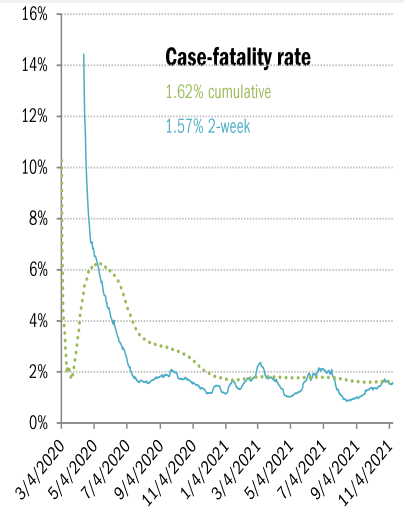
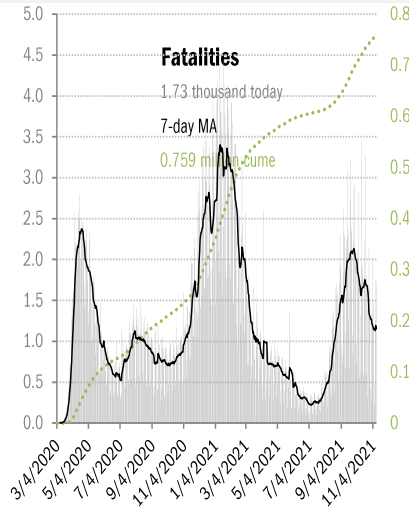
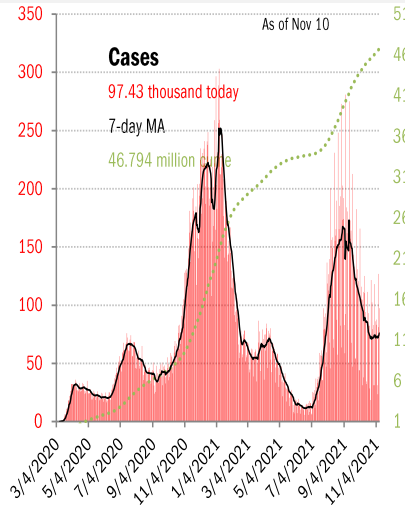
The demographics of US vaccination



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

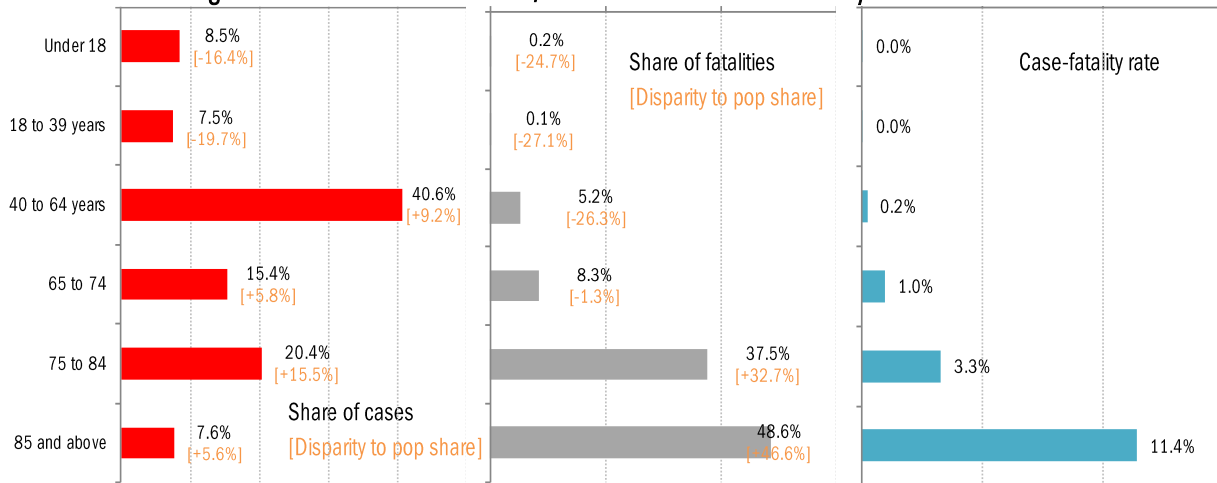
US deep-dive

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

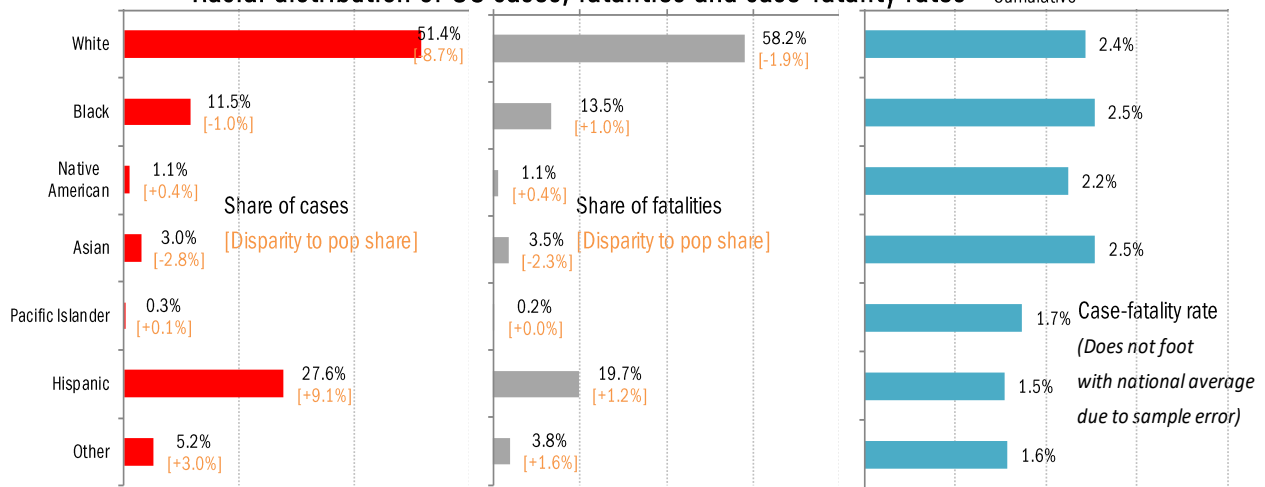


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

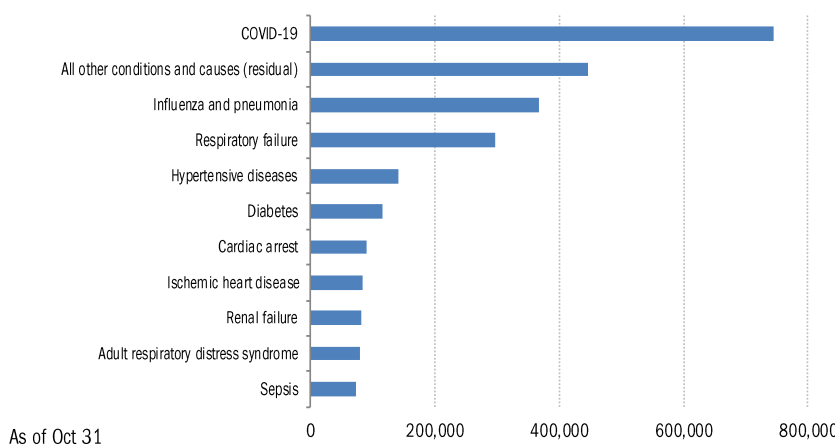


Racial distribution of US cases, fatalities and case-fatality rates



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

[Here Are the Arguments That Persuaded the 5th Circuit To Block OSHA's Vaccine Mandate for Private Employer](#)

Jacob Sullum

Reason

November 7, 2021

[Pfizer CEO says people who spread misinformation on Covid vaccines are 'criminals'](#)

Berkeley Lovelace Jr.

CNBC

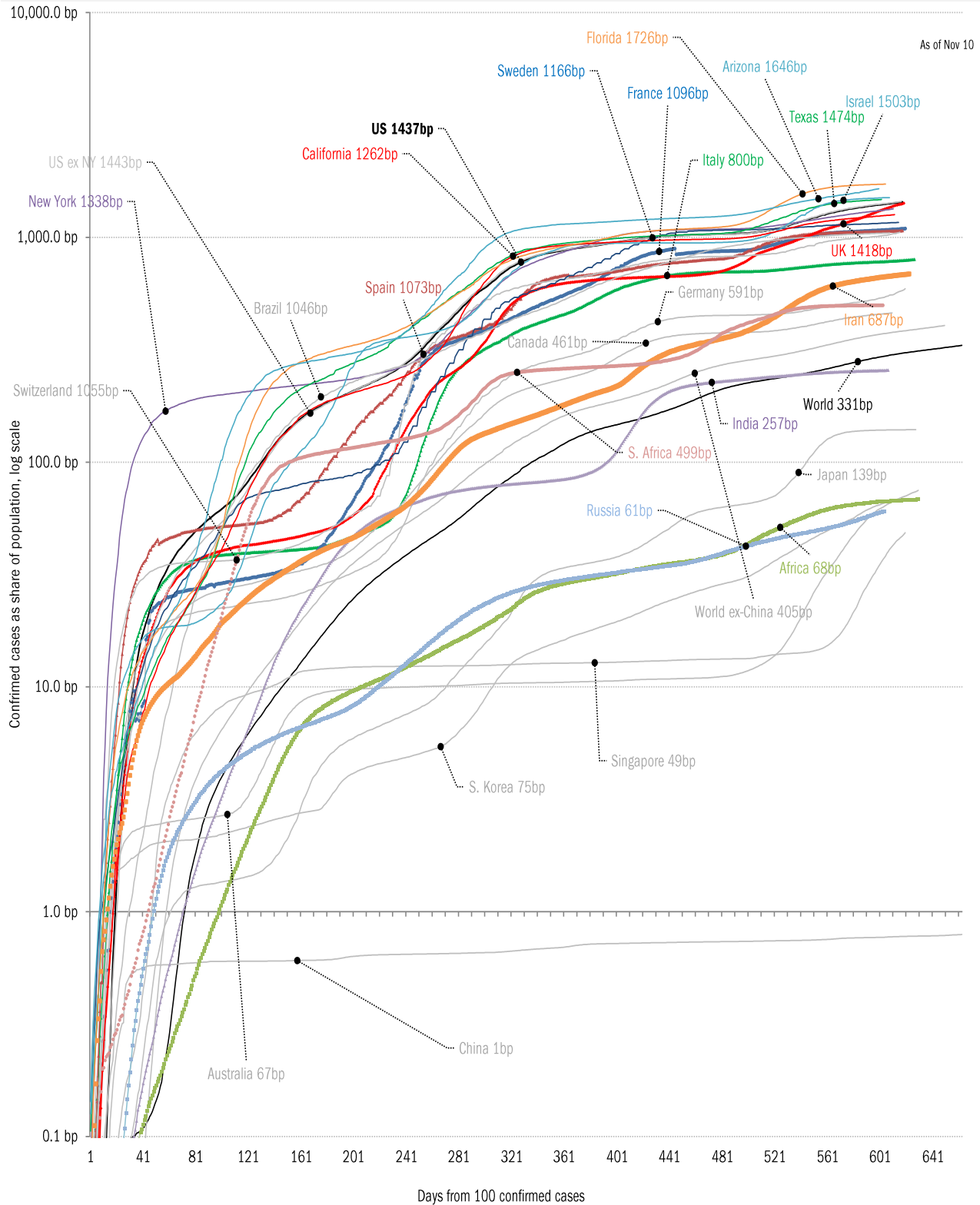
November 9, 2021

Meme of the day



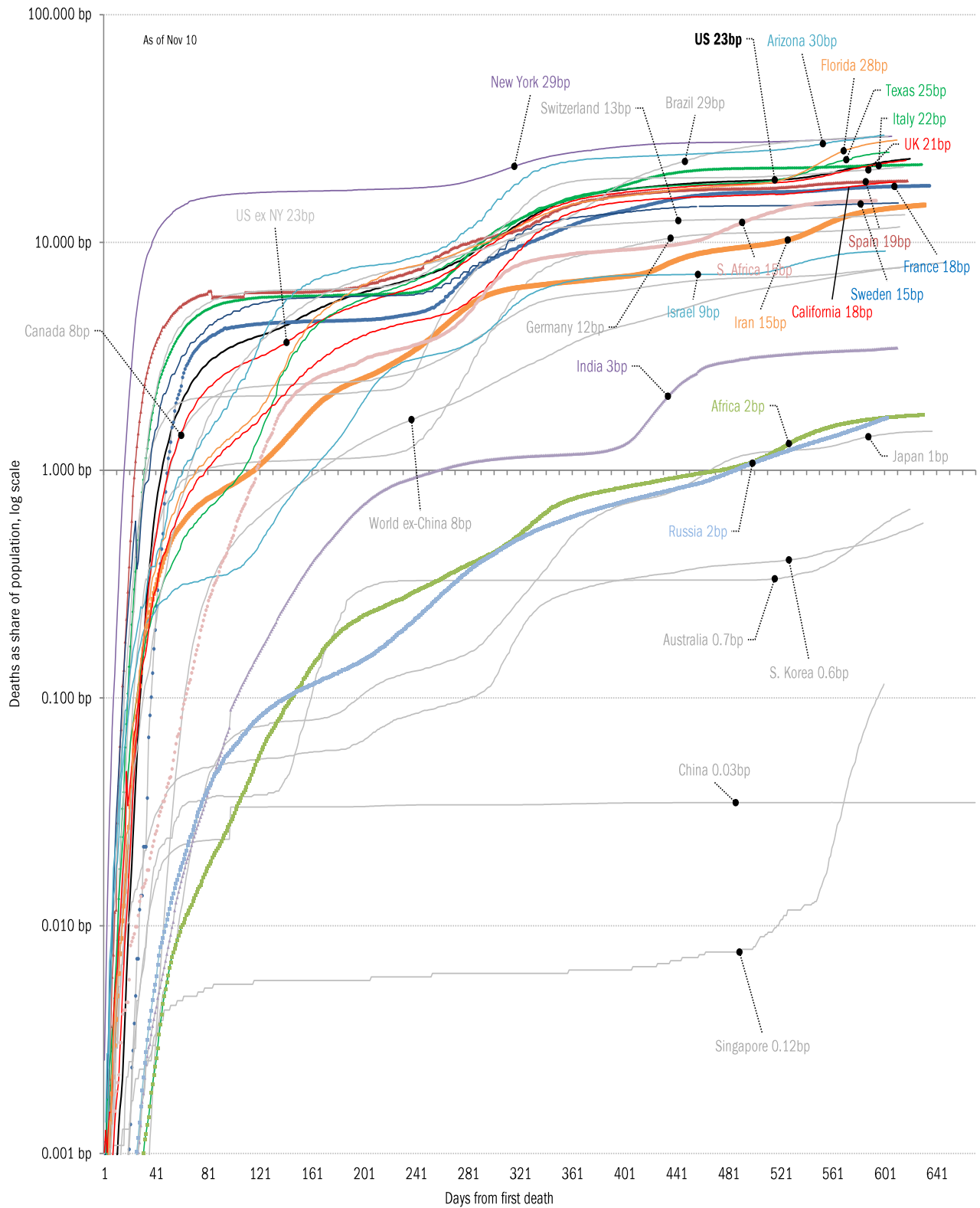
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

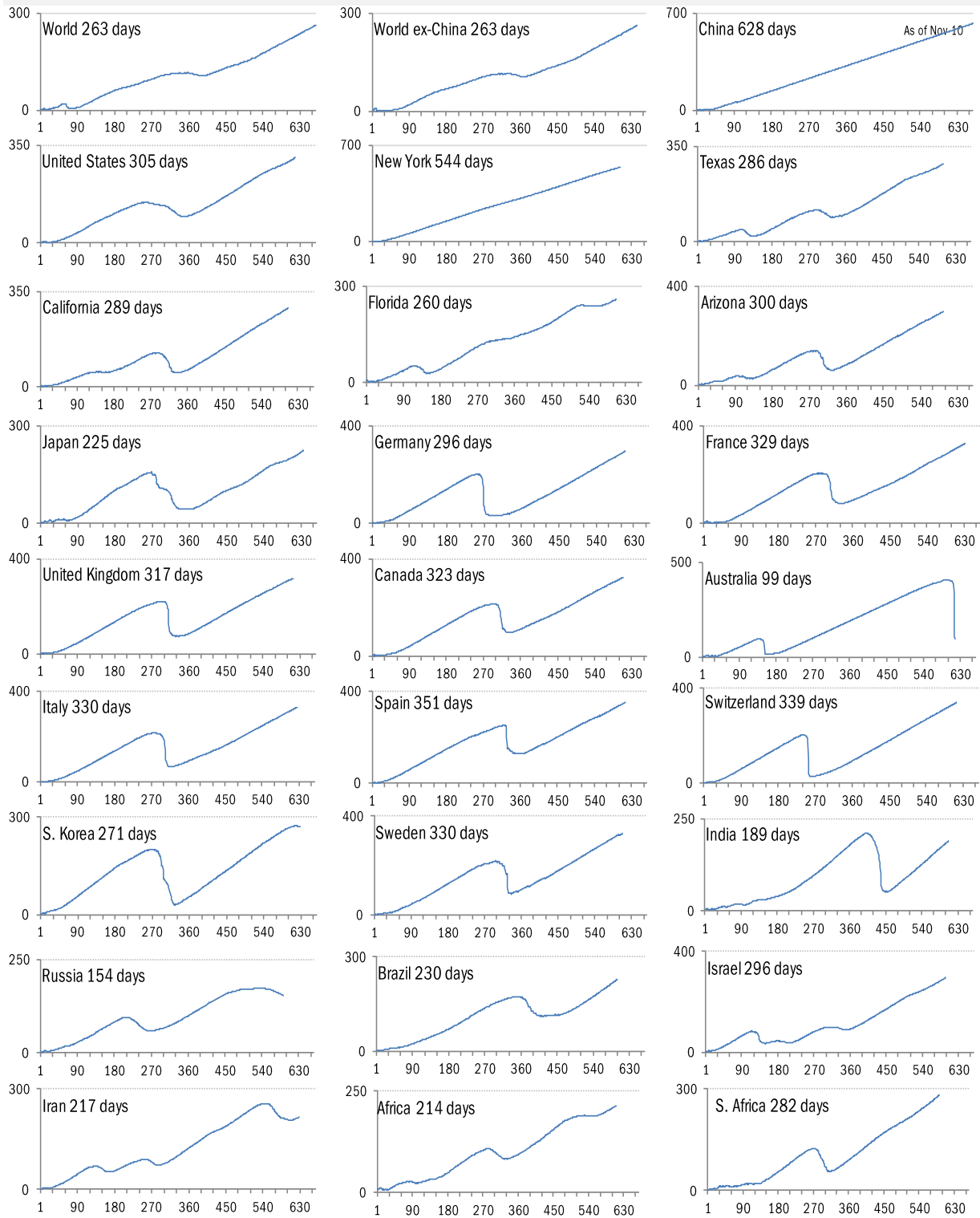


Source: [Johns Hopkins](#), TrendMacro calculations

"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

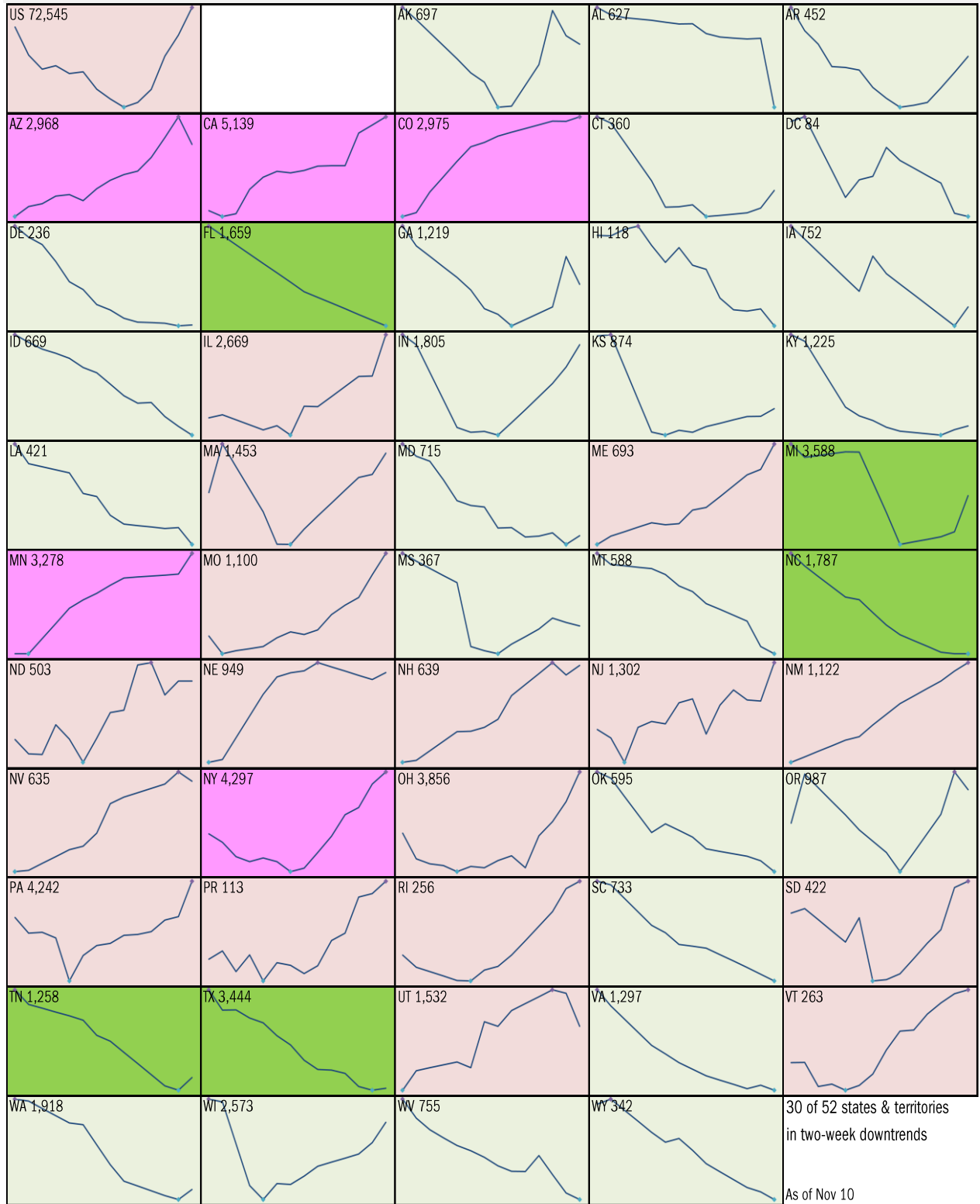


Source: [Johns Hopkins](#), TrendMacro calculations

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

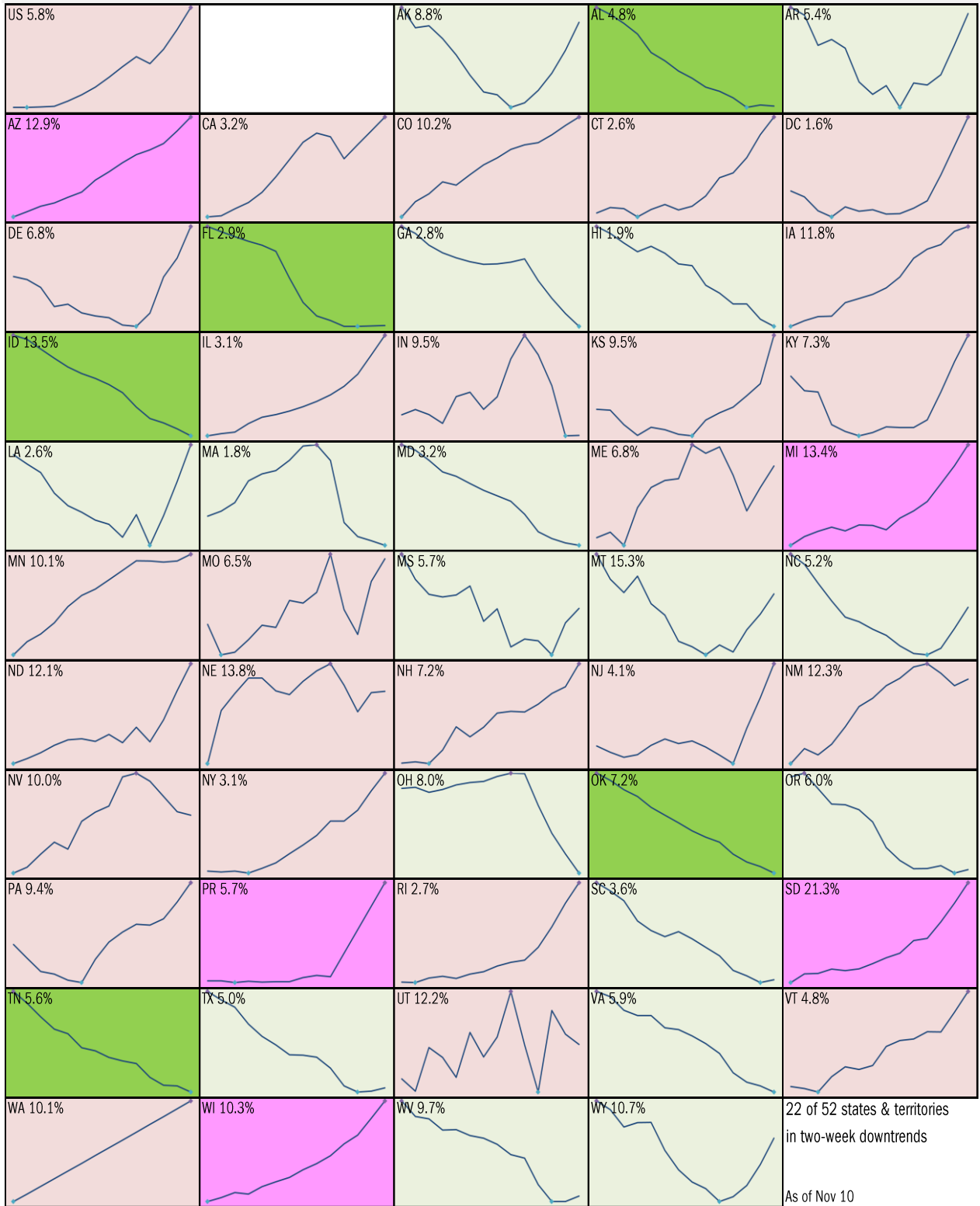


Source: [Johns Hopkins](#), TrendMacro calculations

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

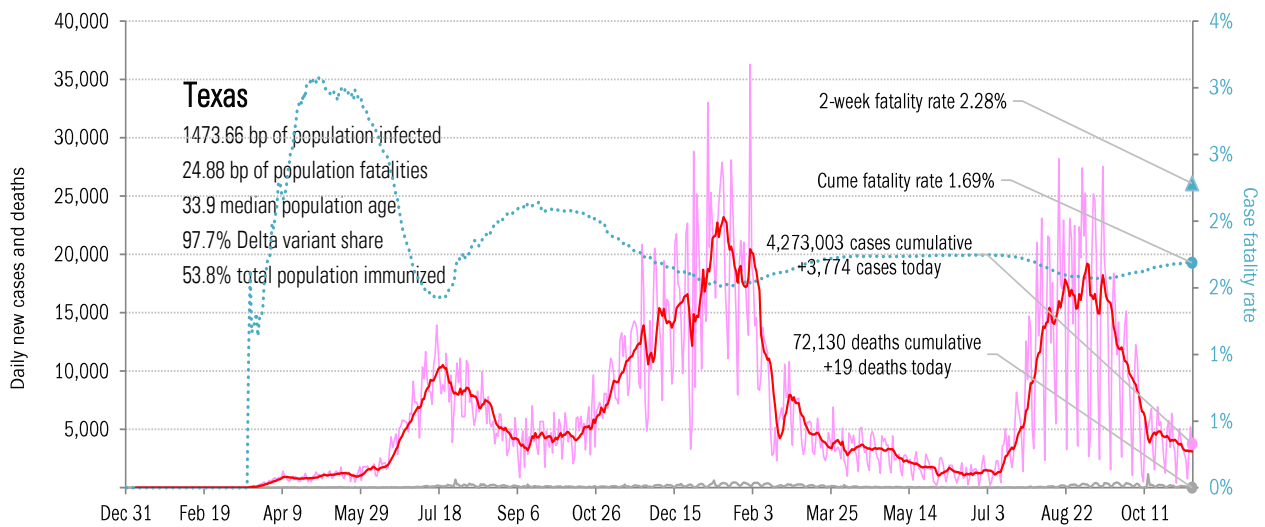
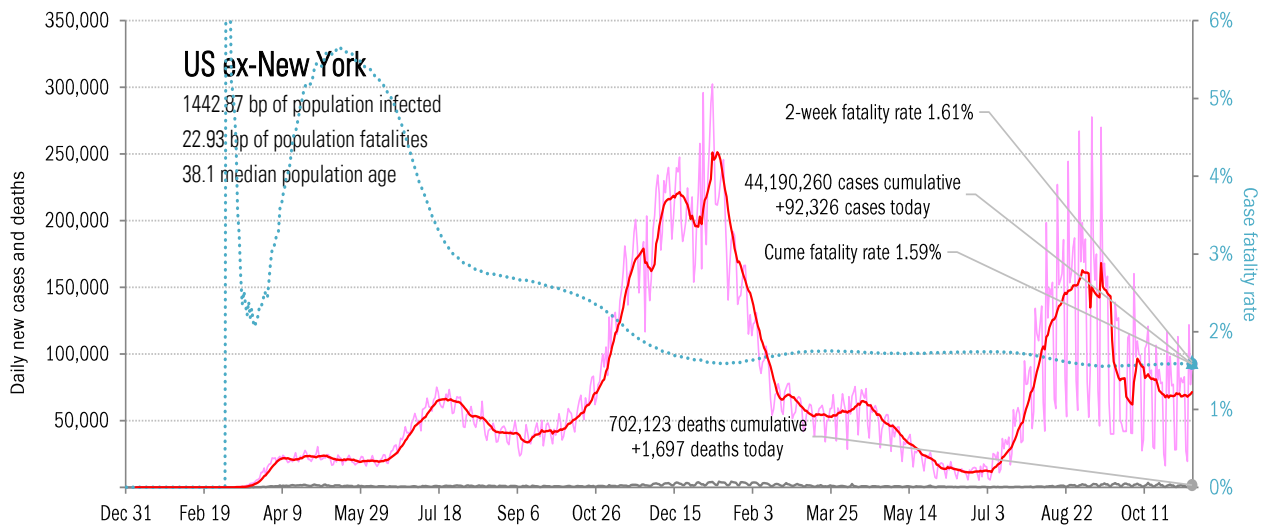
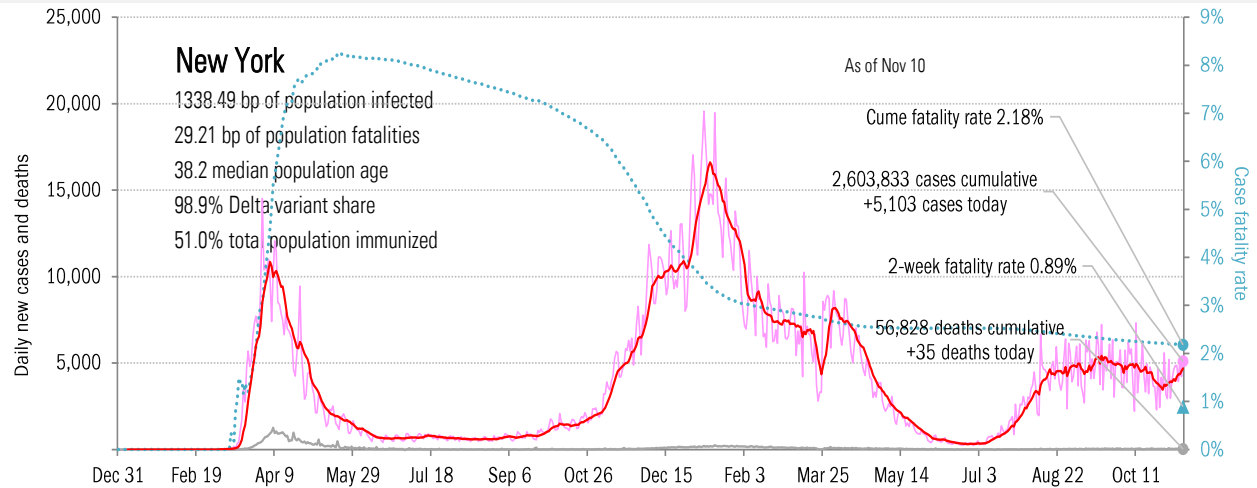
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

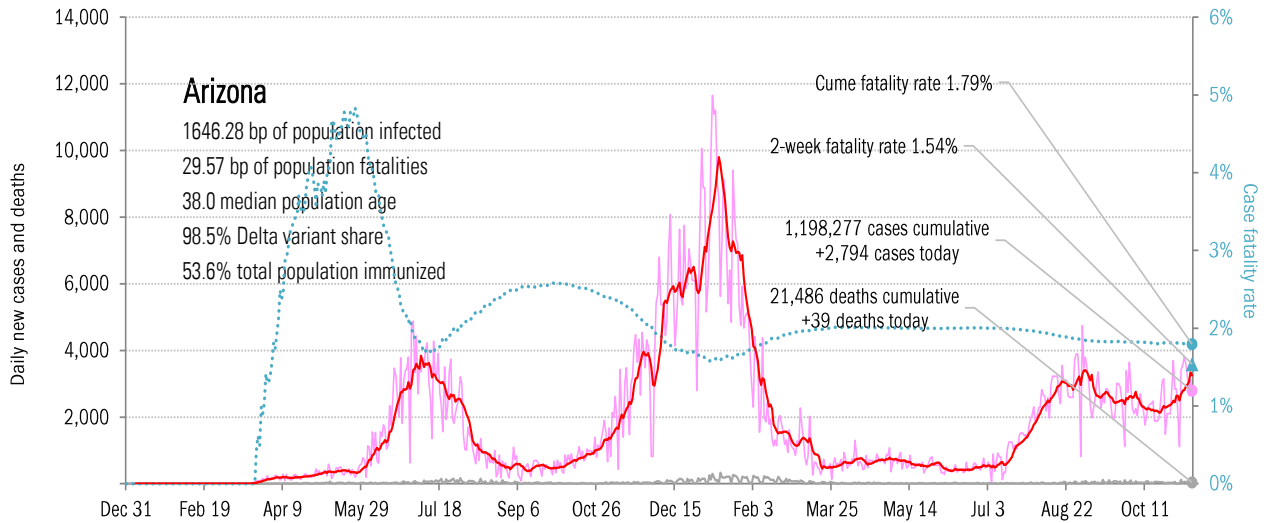
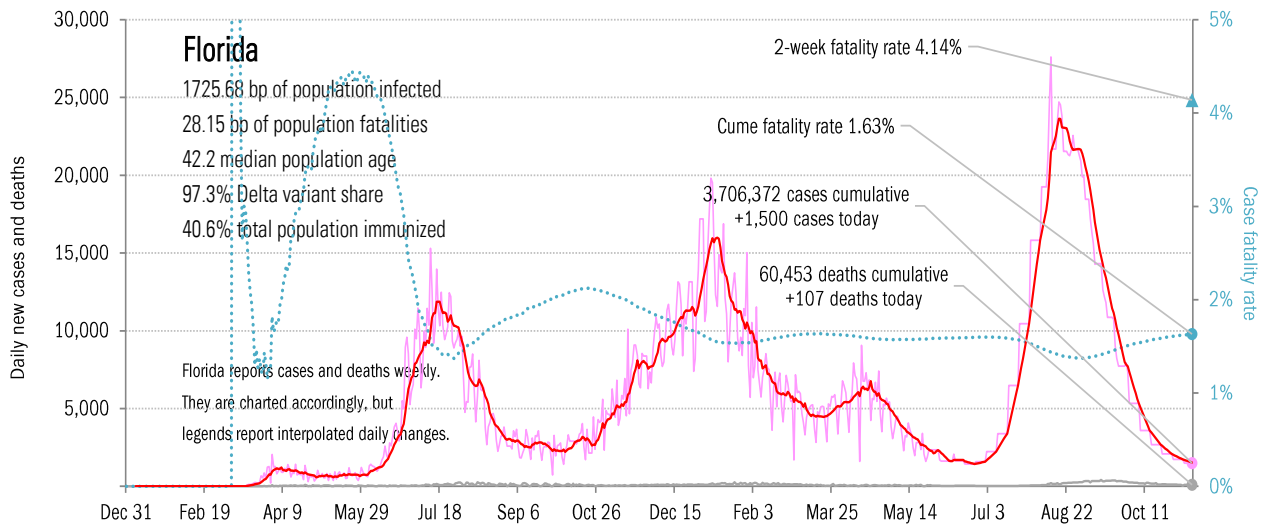
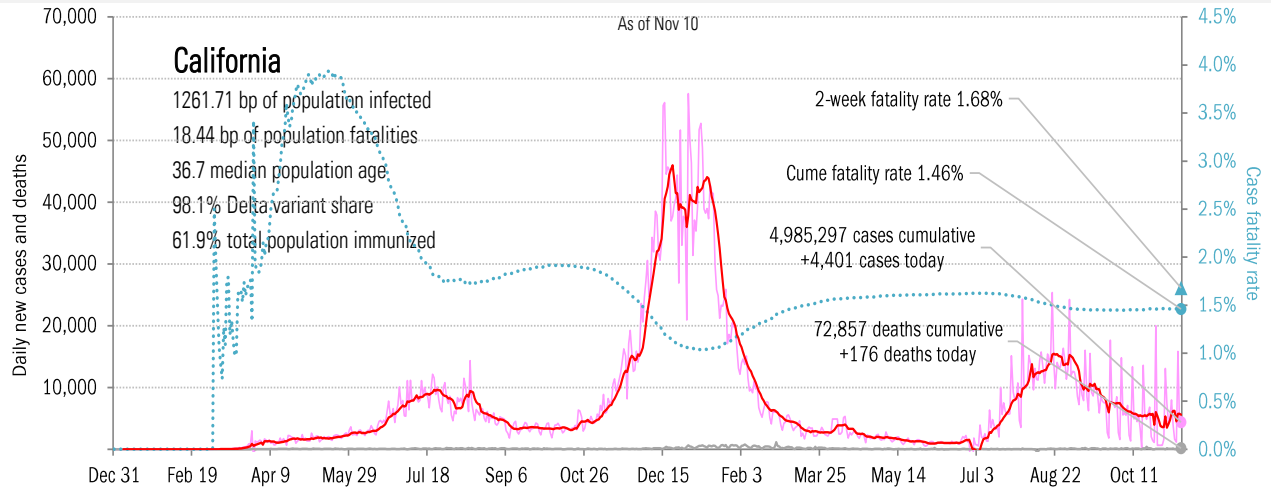
Cases: 7-day average and daily Deaths: Daily



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

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

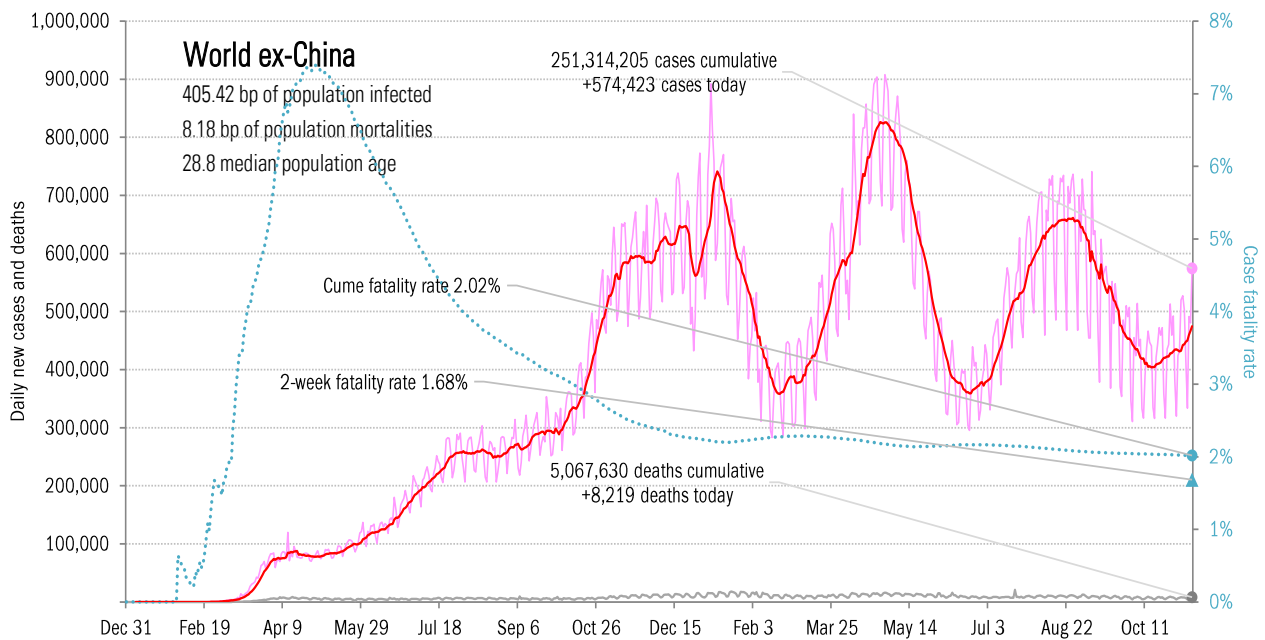
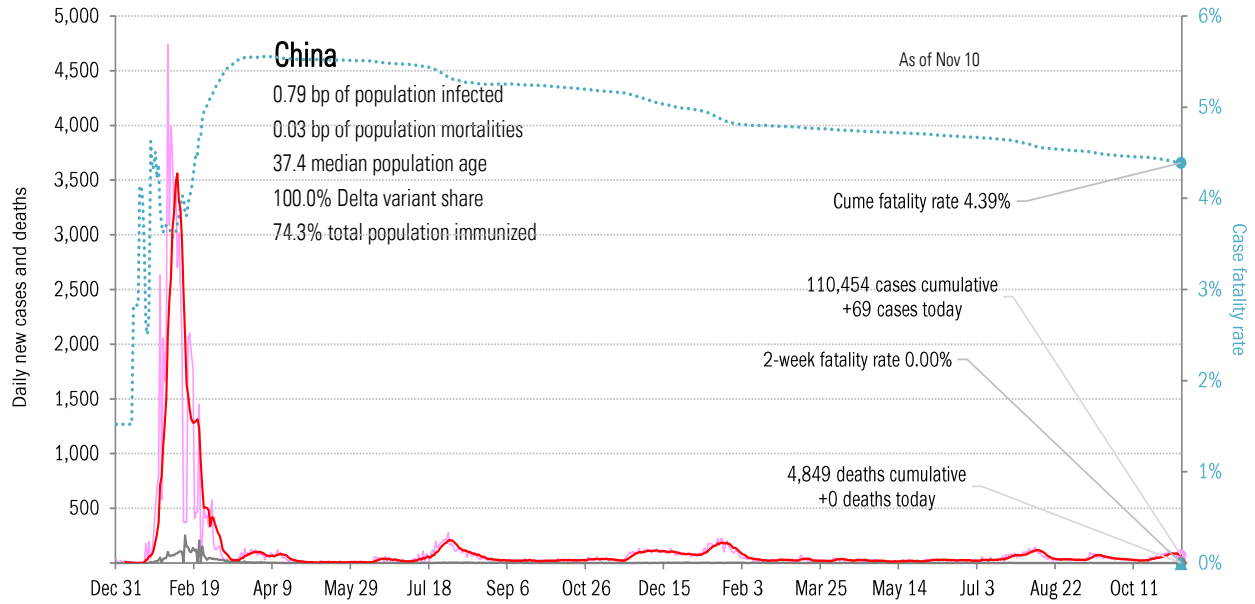
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

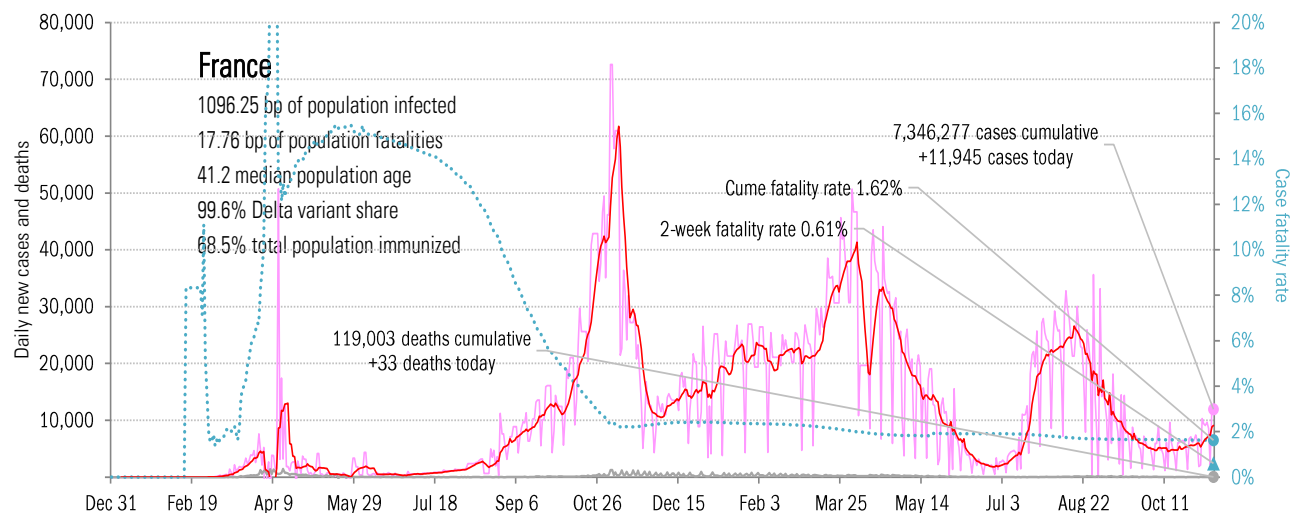
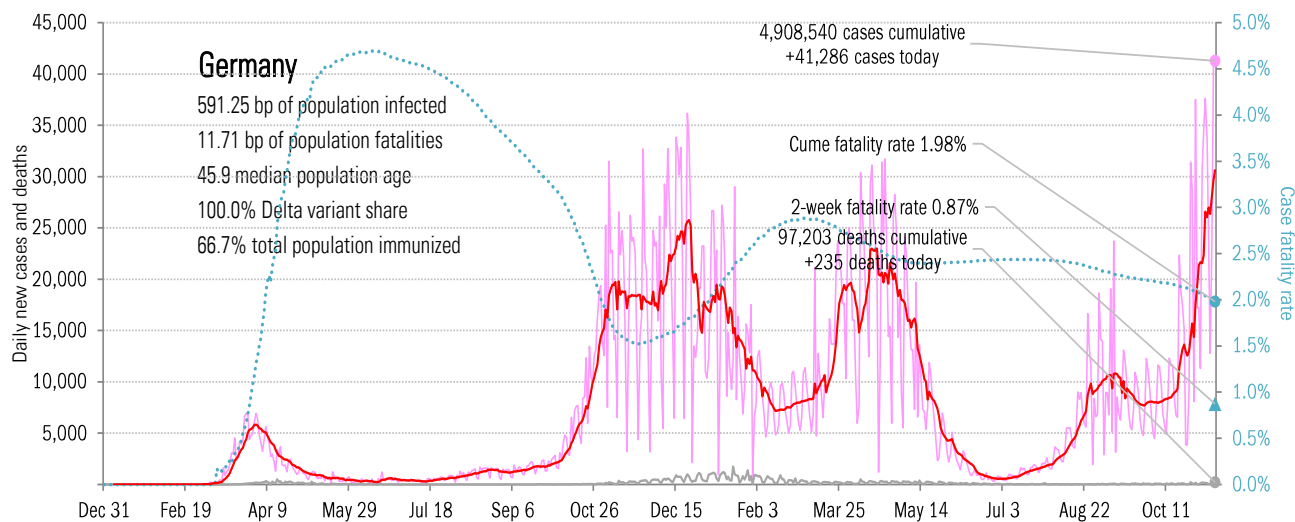
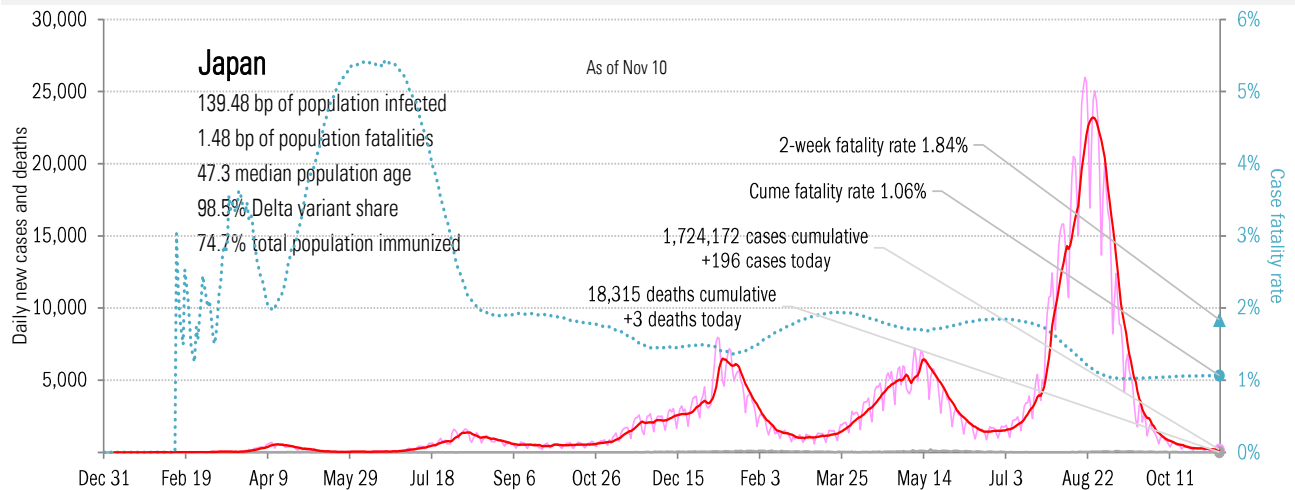
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

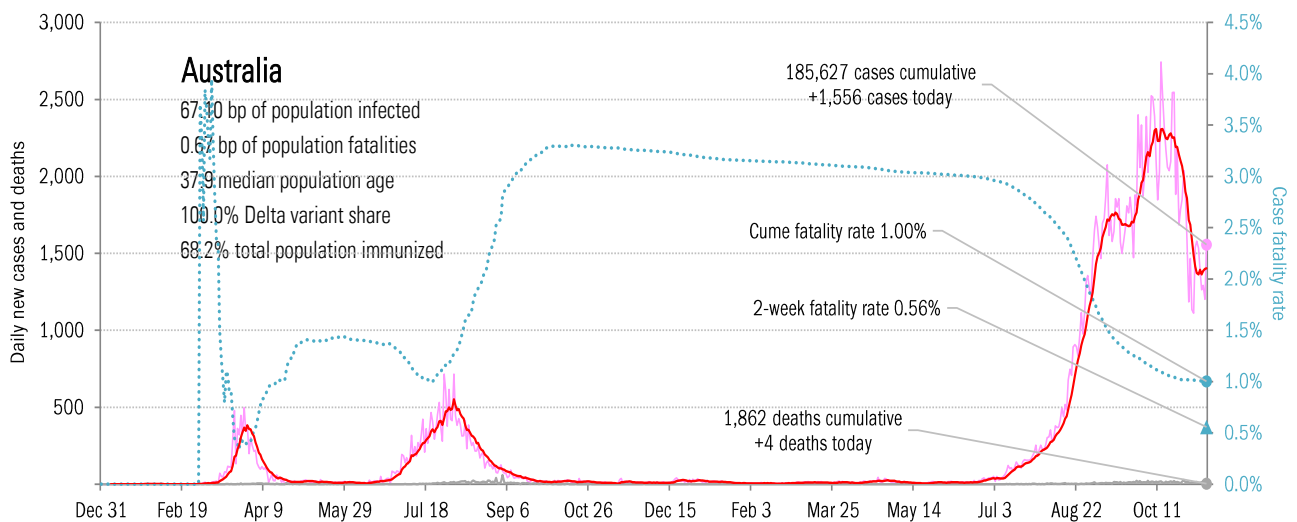
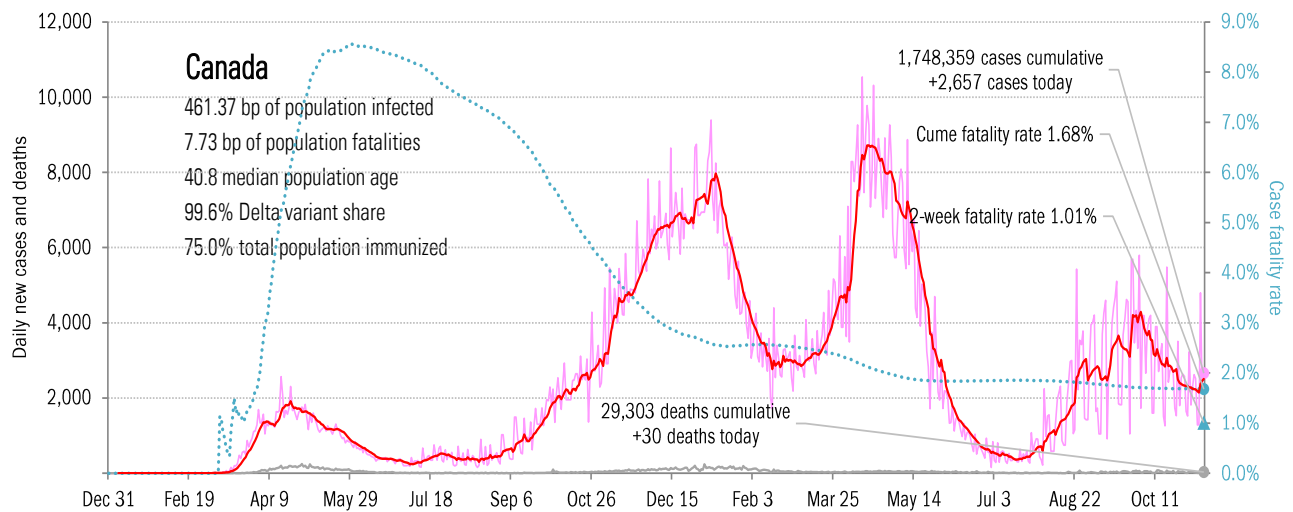
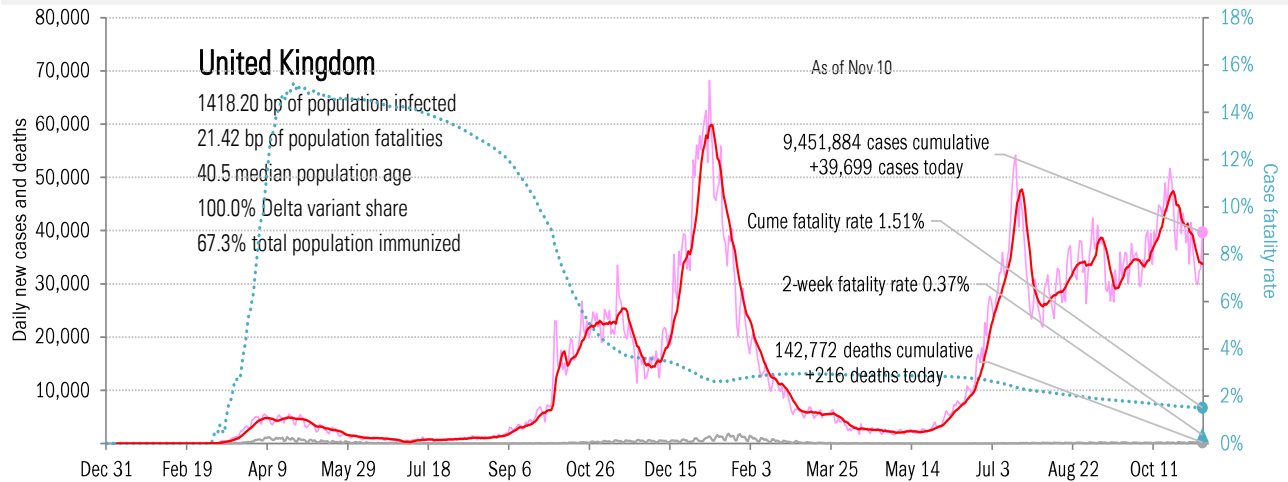
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

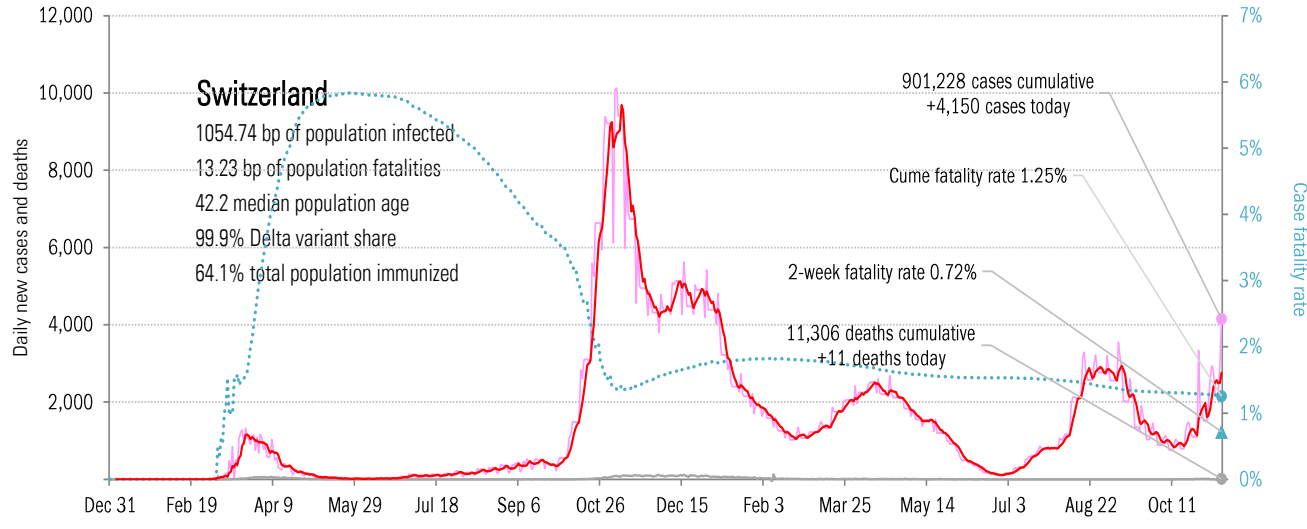
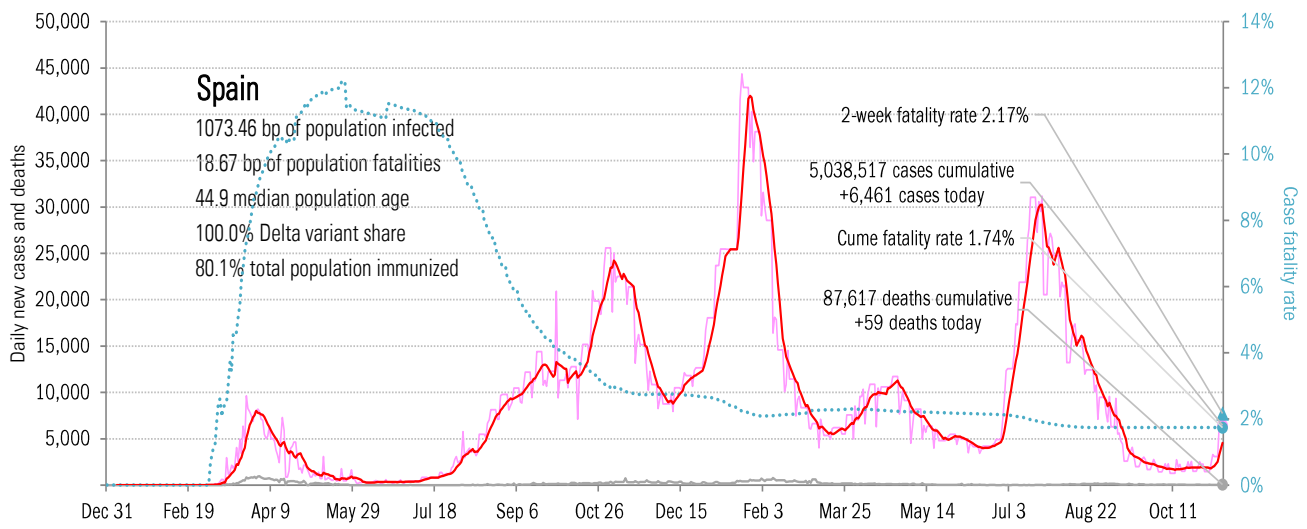
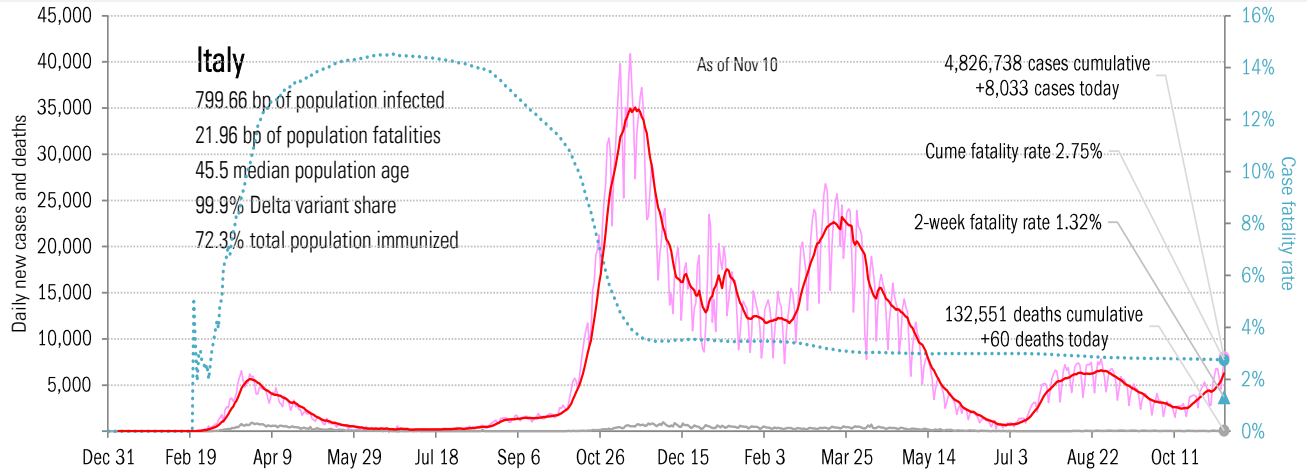
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

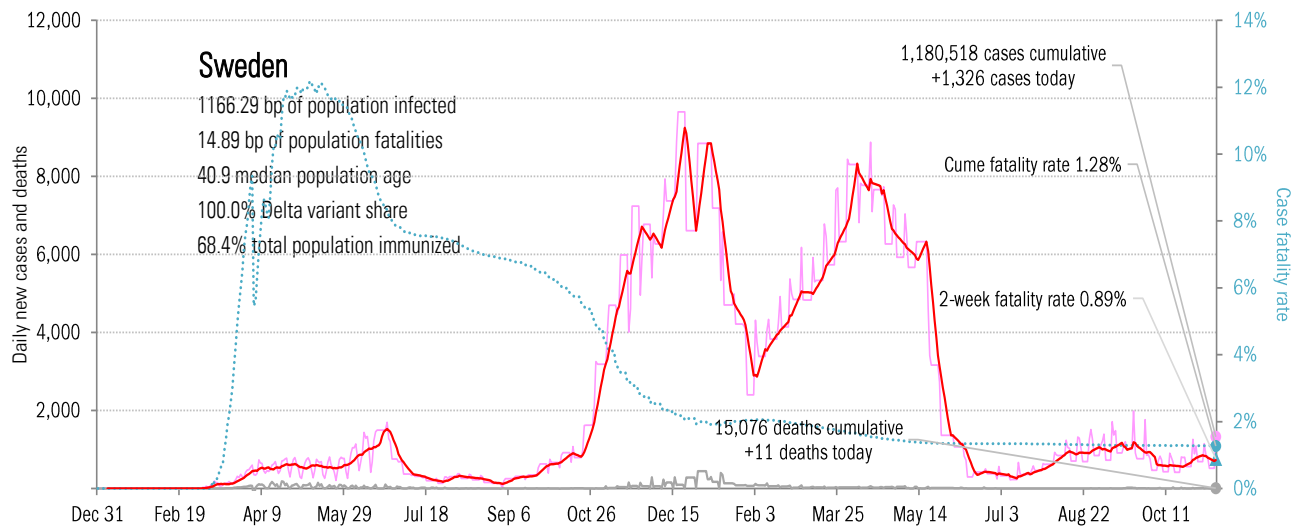
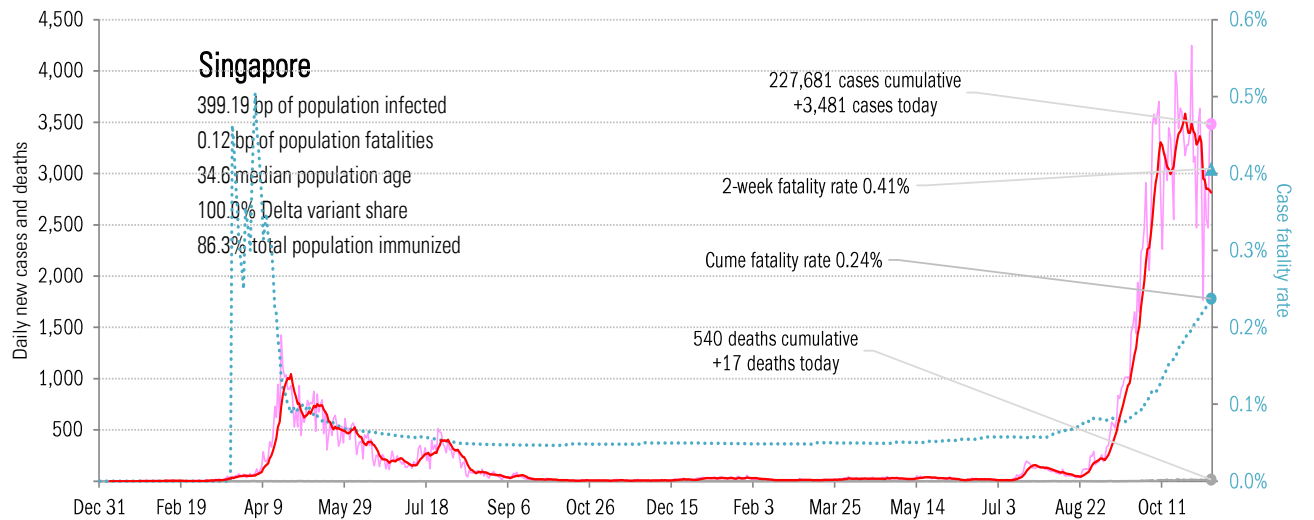
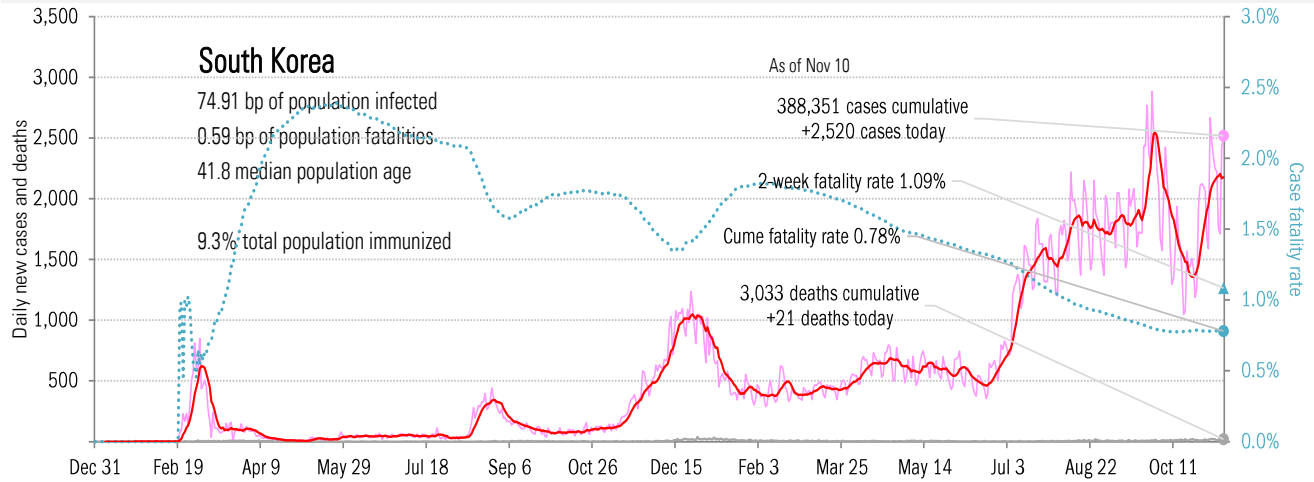
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

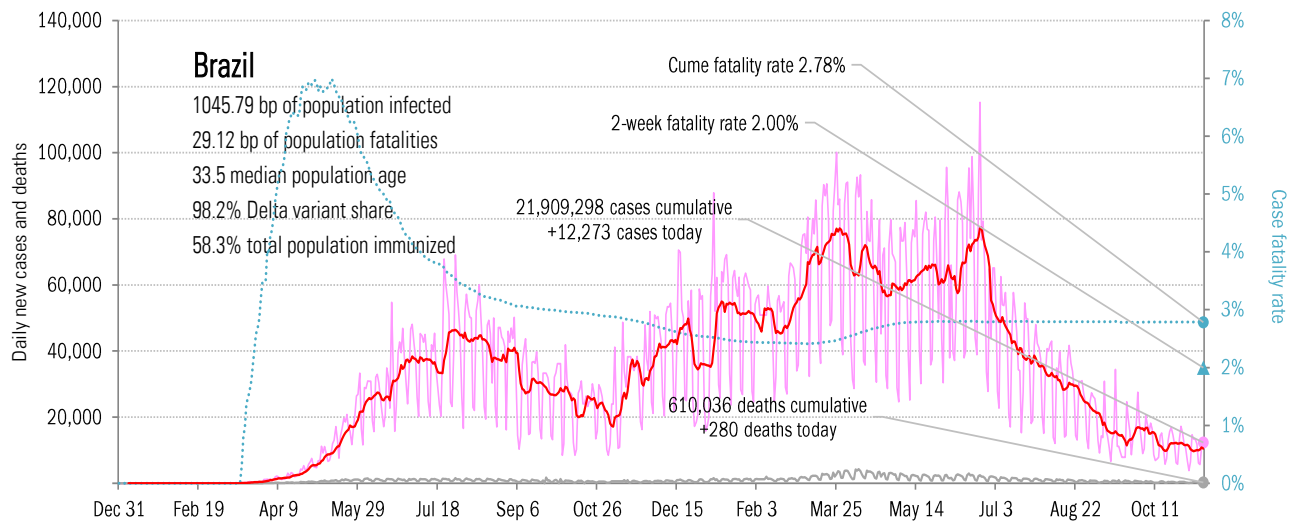
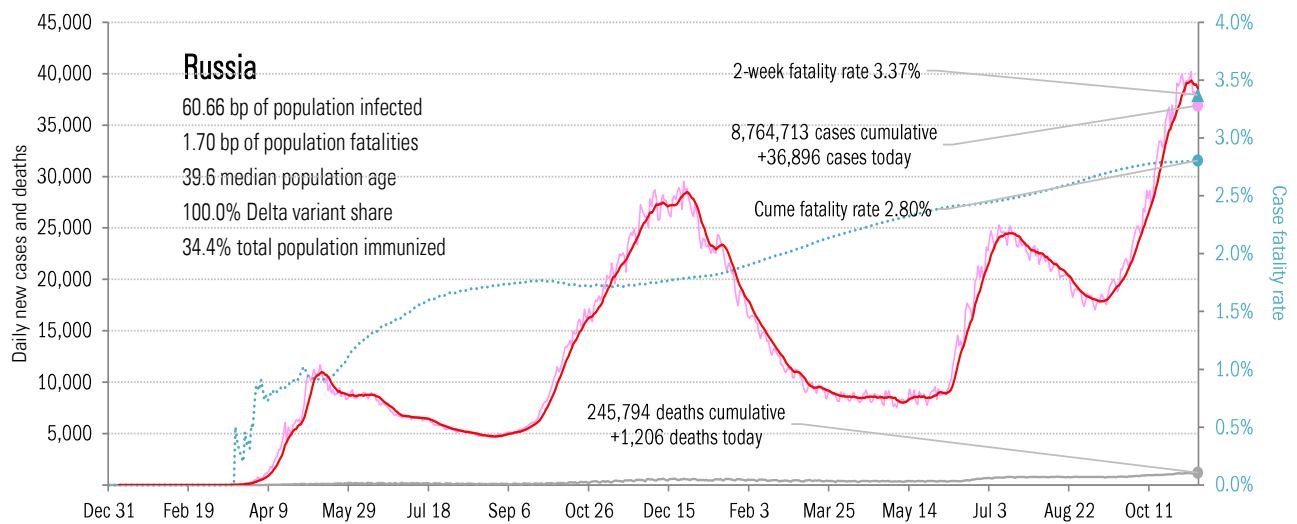
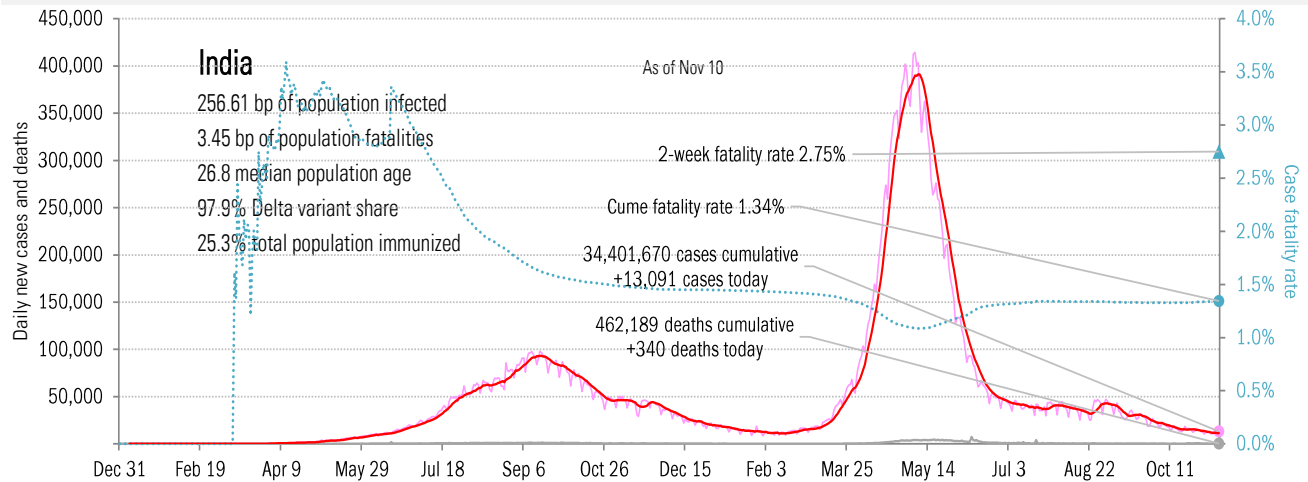
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

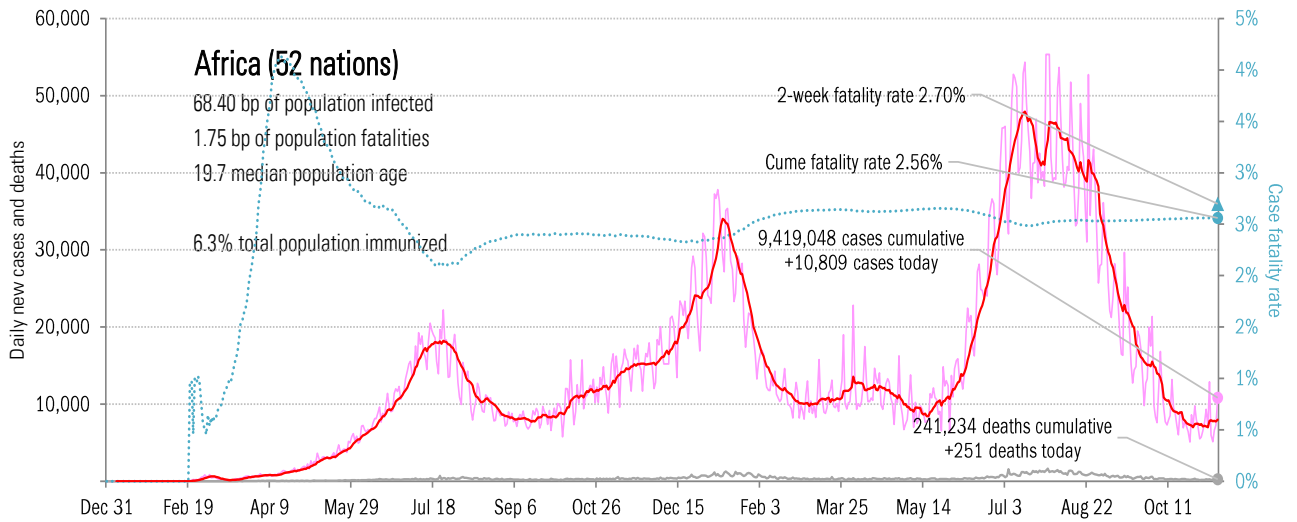
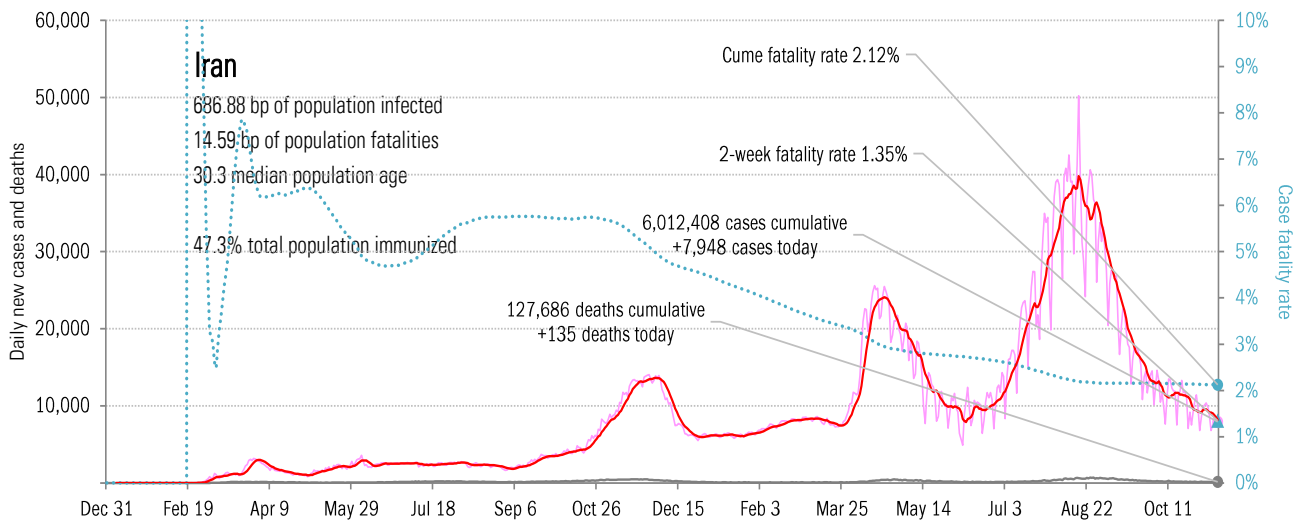
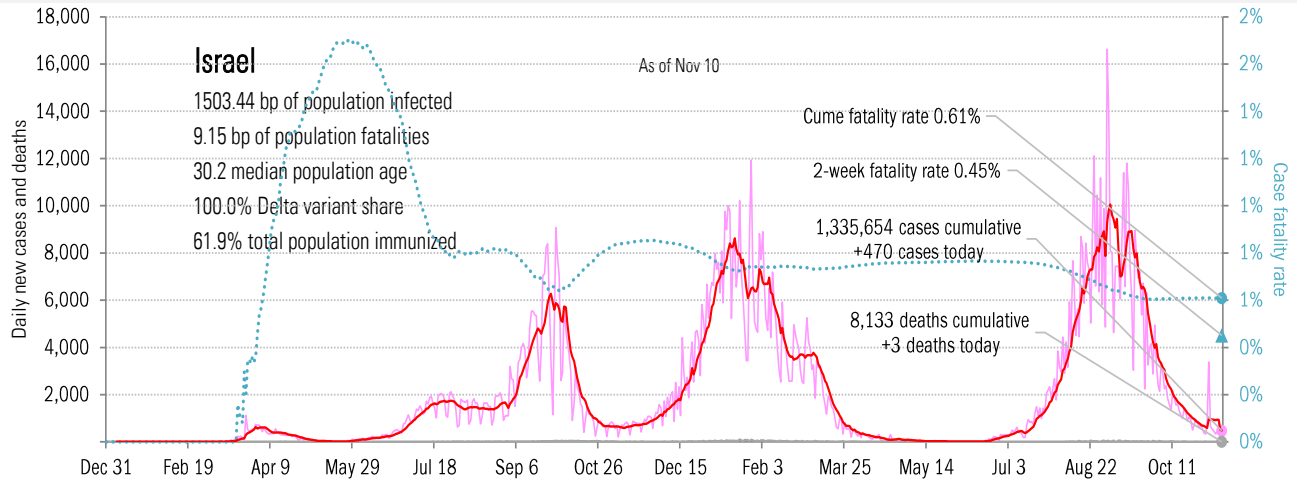
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

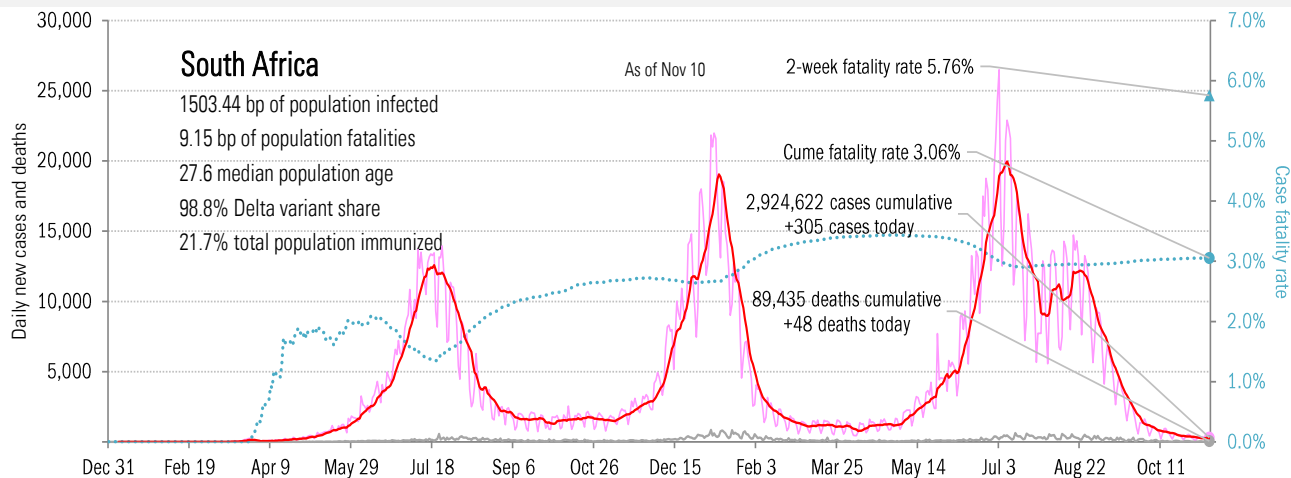
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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