

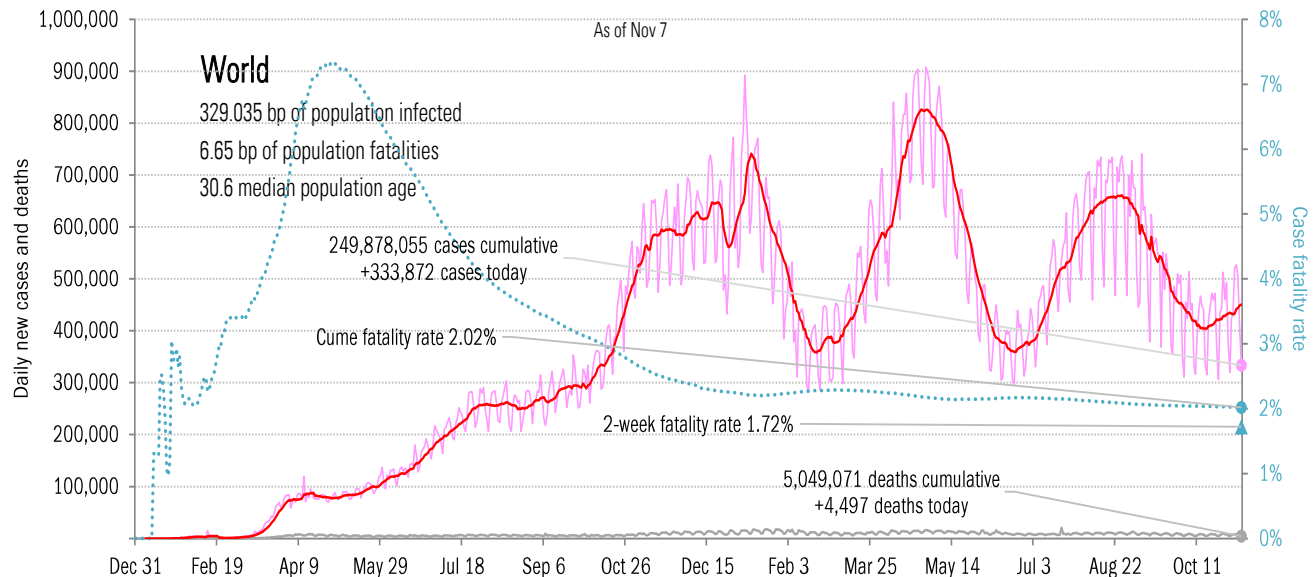
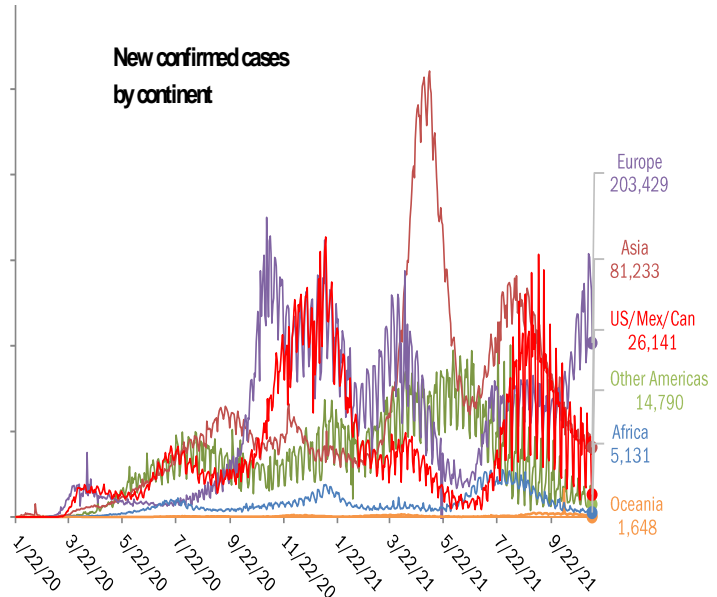
Data Insights: Covid-2019 Monitor

Monday, November 8, 2021

The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Russia	+38,028	Russia	+1,146
United Kingdom	+29,889	Ukraine	+482
Turkey	+27,304	Romania	+273
United States	+23,468	India	+266
Ukraine	+18,556	United States	+214
Germany	+12,788	Turkey	+200
Poland	+12,507	Philippines	+191
India	+11,478	Iran	+126
Netherlands	+11,376	Bulgaria	+69
France	+8,559	Serbia	+69
+193,953		+3,036	
World +333,872		World +4,497	
Top ten 58%		Top ten 68%	



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

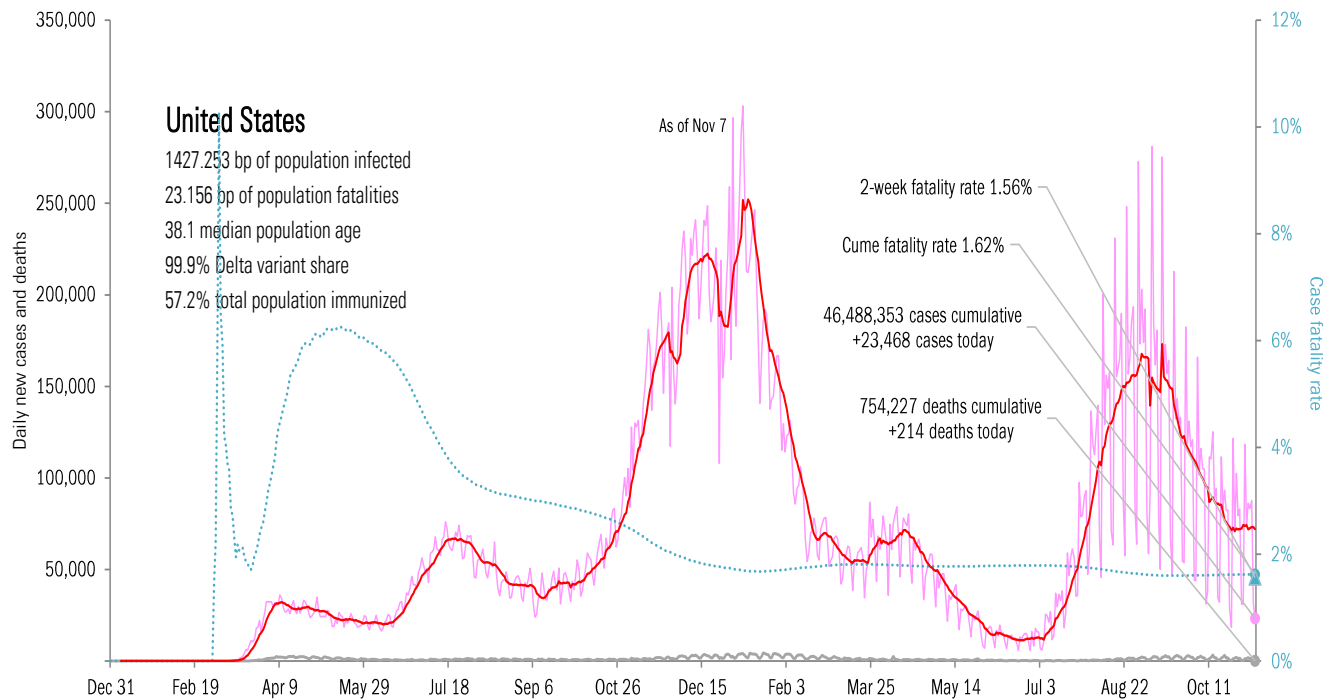
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CH	+4,363		FL	+95		MI	+71		CA	4,960,710		CA	72,525		TX	376,626		RI	86%	NM	88%
NY	+3,932		TX	+43		GA	+67		TX	4,260,852		TX	71,957		FL	319,582		MA	86%	KY	86%
PA	+3,385		NY	+20		CO	+51		FL	3,701,872		FL	60,132		CA	312,843		MD	84%	CO	86%
AZ	+3,231		AR	+14		CA	+44		NY	2,589,297		NY	56,712		NY	165,194		PA	83%	NV	85%
FL	+1,500		CA	+14		MN	+44		IL	1,712,986		PA	31,897		GA	160,390		MN	82%	NE	84%
CA	+1,149		HI	+12		MT	+43		GA	1,641,036		GA	29,483		CH	125,193		CT	82%	TX	84%
WV	+1,038		MD	+9		MO	+41		PA	1,593,122		IL	28,381		PA	118,466		MI	81%	GA	83%
NJ	+926		NJ	+5		AZ	+36		CH	1,572,197		NJ	28,085		KY	111,833		NY	81%	MI	83%
TX	+789		AZ	+1		WA	+35		NC	1,489,653		CH	25,067		IL	105,589		MO	80%	MA	82%
MO	+742		FR	+1		IN	+31		MI	1,309,655		MI	23,975		MI	93,239		ND	80%	NH	82%
+21,055			+214			+463			24,831,380			428,214			1,888,955						
All states	+23,468			+214			+629		All states	46,488,353			754,227			3,380,530		All states	70%		67%
Top ten	90%			100%			74%		Top ten	53%			57%			56%		Median	75%		77%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IA	-2,944	TX	-69	IL	-32	AL	+10 bp
TX	-1,659	AZ	-59	CH	-30	AR	+10 bp
PA	-876	AL	-48	NV	-23	AZ	+10 bp
MO	-721	PA	-42	NY	-23	CA	+10 bp
ME	-698	NJ	-13	DE	-11	CT	+10 bp

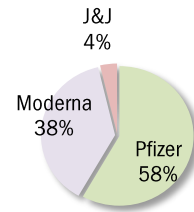


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	442,938,385	+1.521 million	US	57.2%	66.5%
Boosters	24,500,824	+0.925 million	UK	67.2%	73.7%
	One dose	% Pop	Immune	% pop	New immune today
Total population	229,340,266	69%	198,855,312	60%	+0.206 million
Age 12 to 17	14,282,373	60%	12,002,771	50%	+0.017 million
Age 18 to 64	158,288,086	78%	137,385,941	68%	+0.153 million
Age 65 and over	55,551,306	101%	48,538,574	89%	+0.034 million

France	68.2%	76.0%
Spain	80.0%	81.5%
Germany	66.5%	69.1%
Italy	72.0%	77.4%
Australia	67.0%	74.9%
Israel	65.4%	71.1%
Canada	74.8%	78.7%
Japan	74.1%	78.3%
Africa	6.2%	9.2%
India	24.5%	53.2%
Brazil	57.8%	75.8%
China	74.3%	80.0%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

Every American >18 immunized in **41 days** by Dec 18, 2021
 72.0% of population >18 immunized
 16.6% previously tested positive
88.6% vs 60% adult herd immunity

AK
59.9%
53.0%

WI
63.2%
58.7%

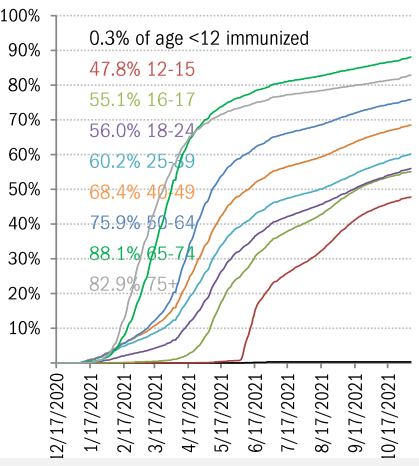
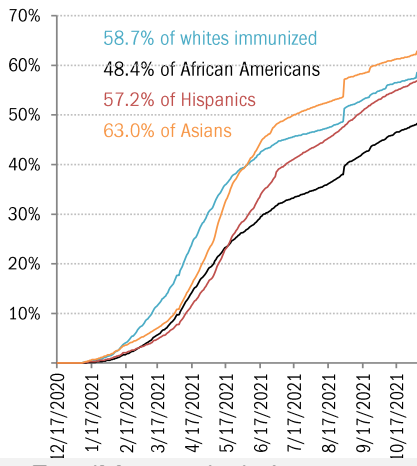
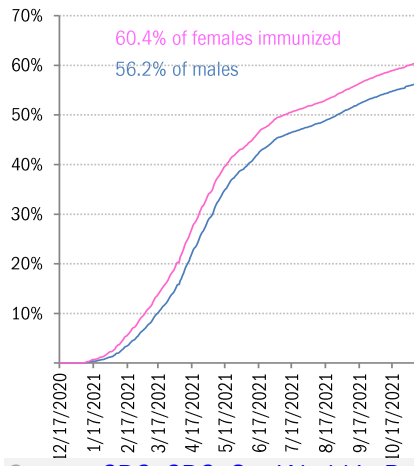
As of Nov 7

ME
77.5%
71.0%

WA 69.9% 63.9%	ID 49.6% 44.3%	MT 57.4% 50.9%	ND 55.6% 47.9%	MN 65.9% 61.6%	IL 66.3% 60.9%	MI 58.7% 53.8%	NY 75.0% 67.2%	VT 80.4% 71.7%	NH 78.7% 63.3%	
OR 68.8% 63.2%	NV 64.0% 53.4%	WY 51.5% 44.4%	SD 62.9% 53.3%	IA 60.1% 55.8%	IN 54.1% 50.1%	OH 56.2% 52.2%	PA 79.8% 61.1%	NJ 75.8% 66.8%	MA 81.1% 70.0%	
CA 75.3% 61.8%	UT 61.6% 54.1%	CO 68.3% 62.0%	NE 61.4% 56.5%	MO 57.3% 50.1%	KY 58.0% 51.1%	WV 49.2% 41.1%	VA 71.8% 63.5%	MD 73.4% 66.3%	CT 79.9% 71.1%	RI 79.0% 71.3%
	AZ 61.7% 53.5%	NM 72.9% 62.5%	KS 63.2% 53.6%	AR 58.5% 48.4%	TN 54.9% 48.0%	NC 65.5% 53.2%	SC 58.1% 50.4%	DC 76.1% 63.1%	DE 69.6% 60.2%	
			OK 60.2% 50.5%	LA 54.2% 48.0%	MS 52.4% 46.0%	AL 54.9% 45.1%	GA 57.3% 48.6%			
			TX 61.8% 53.7%					FL 69.5% 60.1%	PR 82.5% 73.8%	

HI
79.5%
60.1%

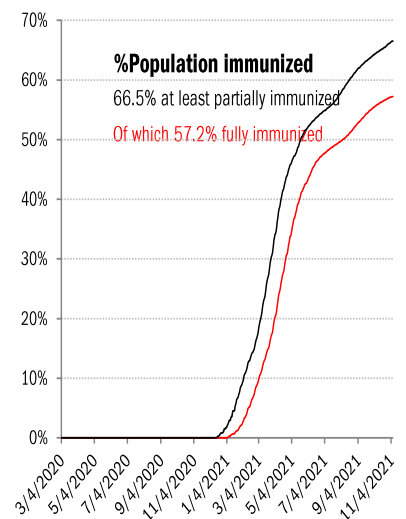
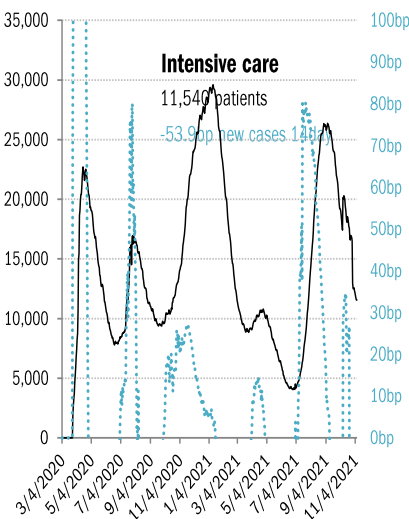
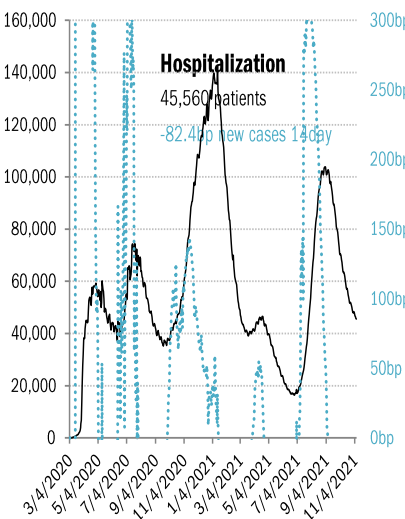
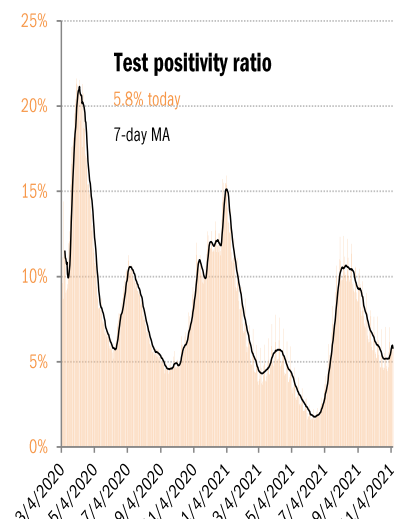
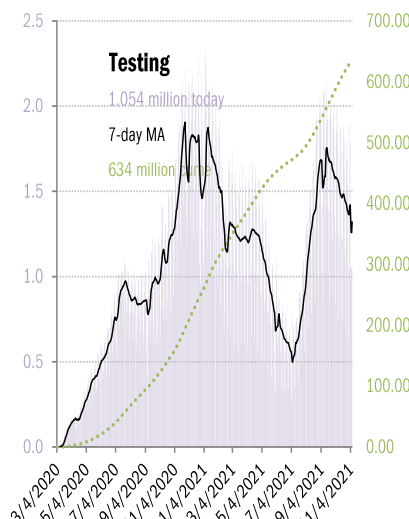
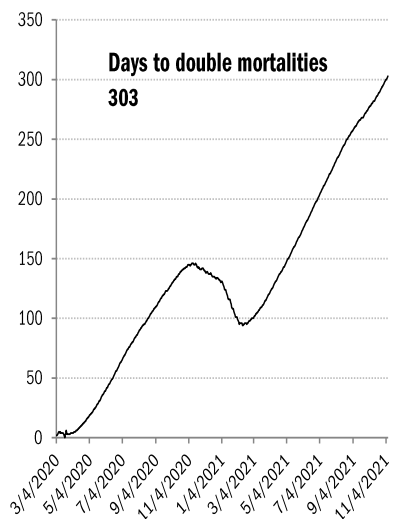
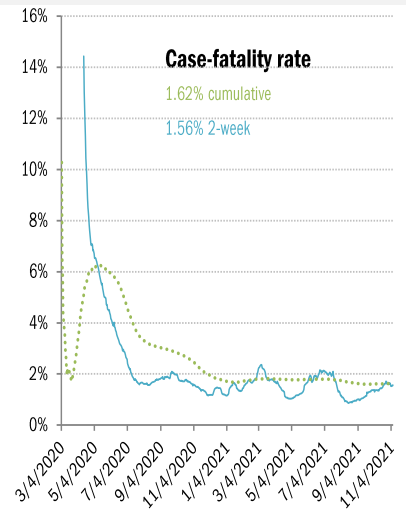
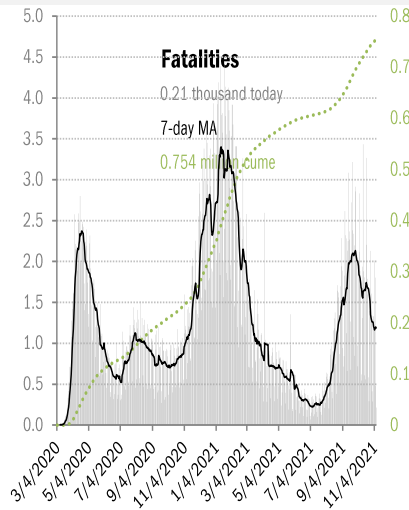
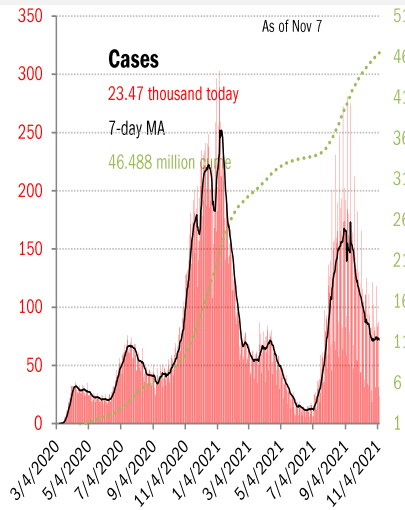
The demographics of US vaccination



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

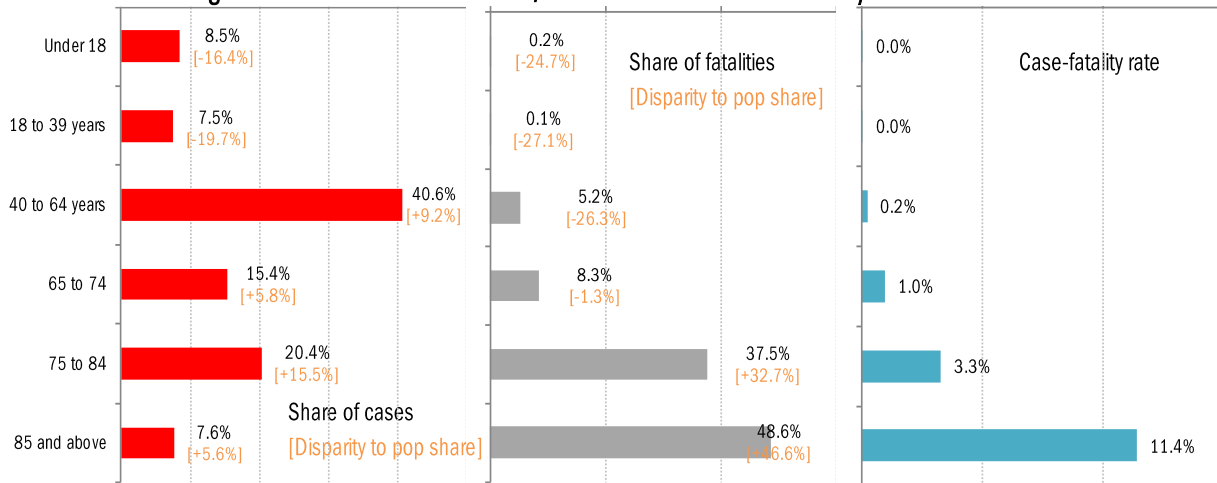
US deep-dive

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

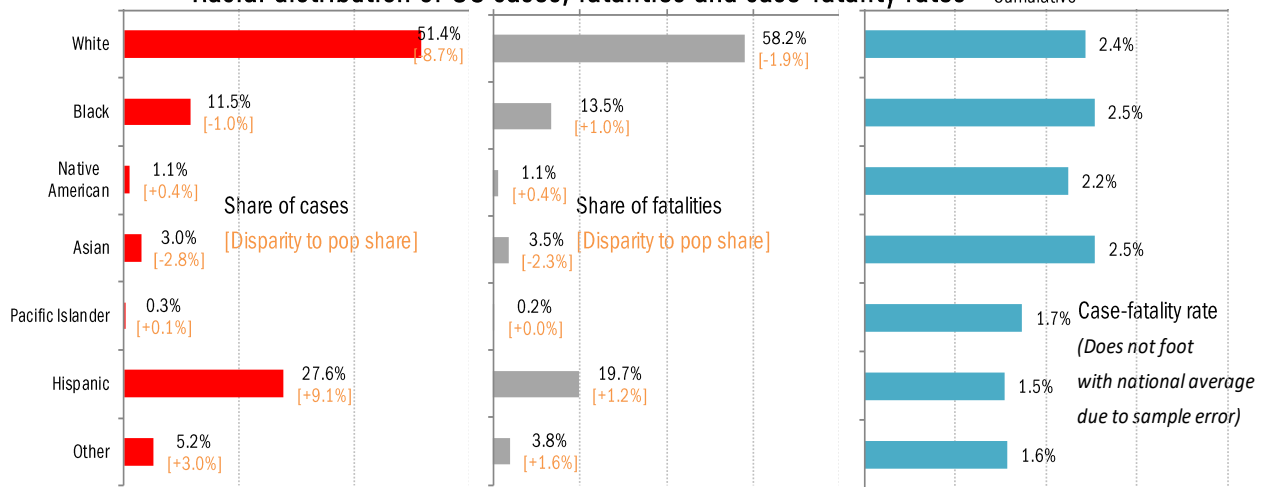


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

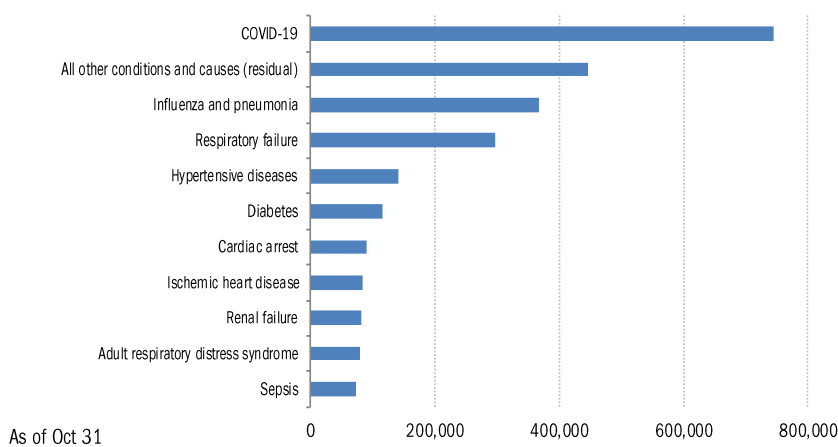


Racial distribution of US cases, fatalities and case-fatality rates



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.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[She Died With Long Covid. Should Her Organs Have Been Donated?](#)

Roni Caryn Rabin
New York Times
November 7, 2021

[Appeals Court Halts Rollout of Biden's Company Vaccine Rule](#)

Laurel Brubaker Calkins
Bloomberg
November 6, 2021

[Biden Adviser Says Big-Company Vaccine Mandate on Legal Ground](#)

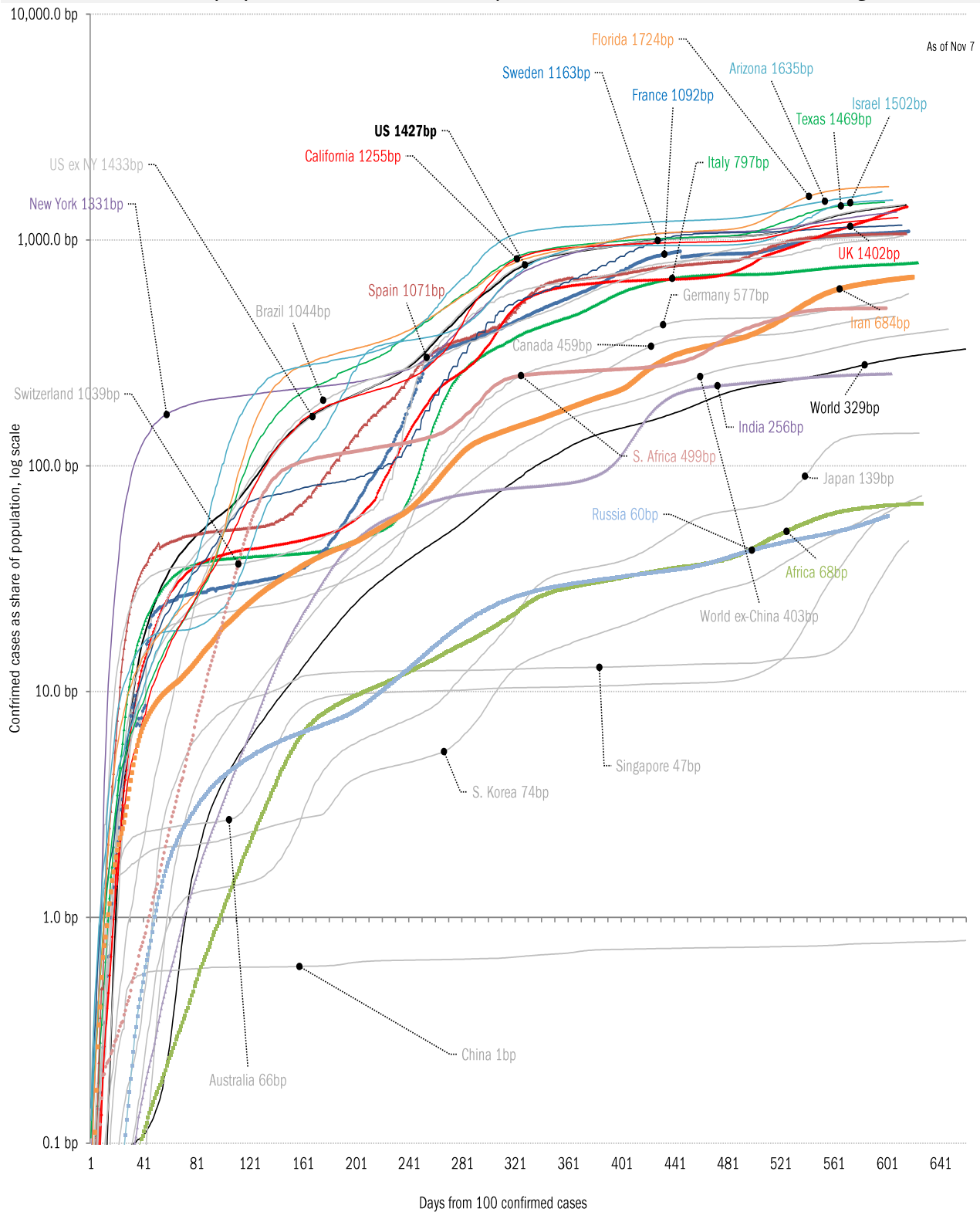
Tony Czuczka
Bloomberg
November 7, 2021

Meme of the day



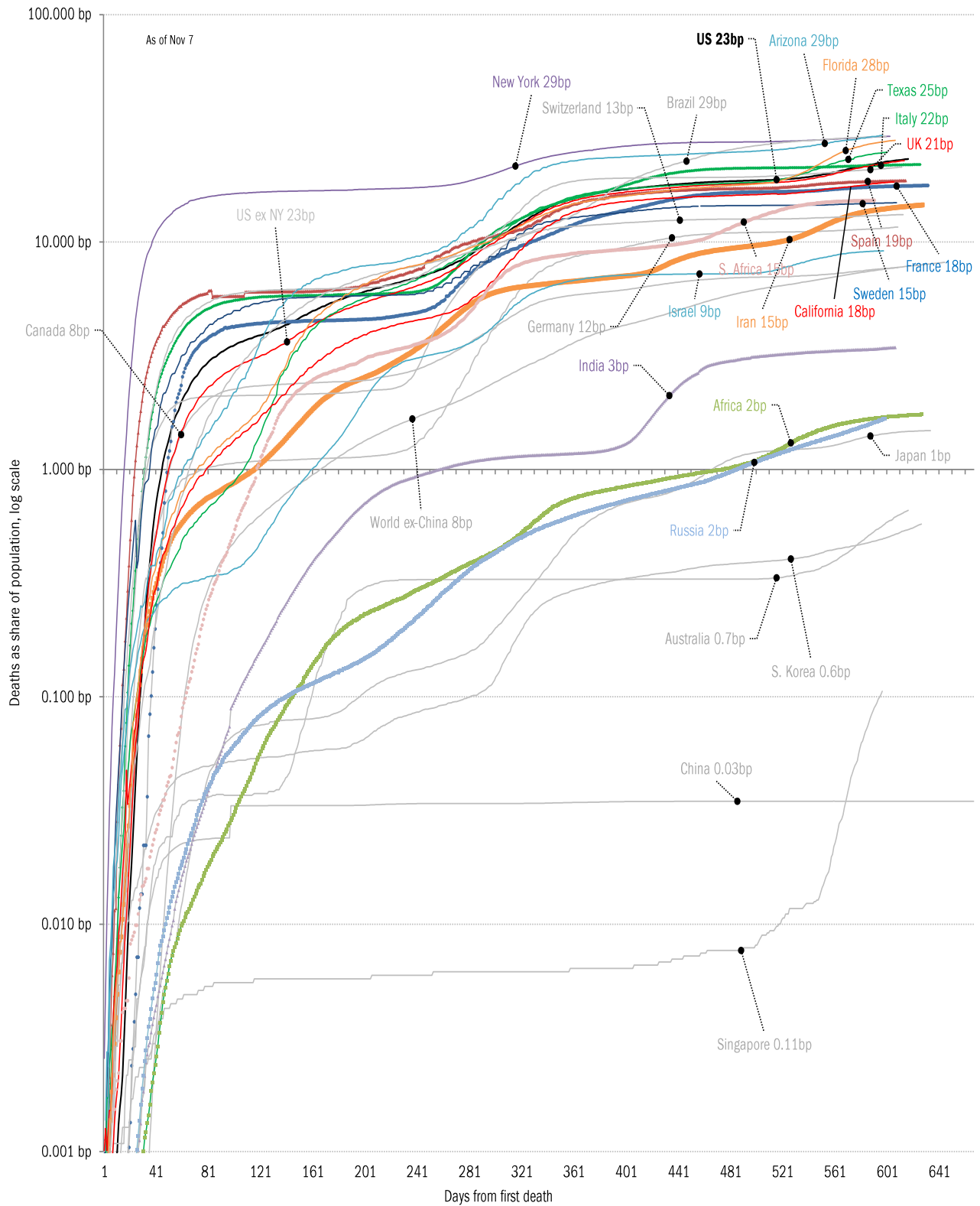
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

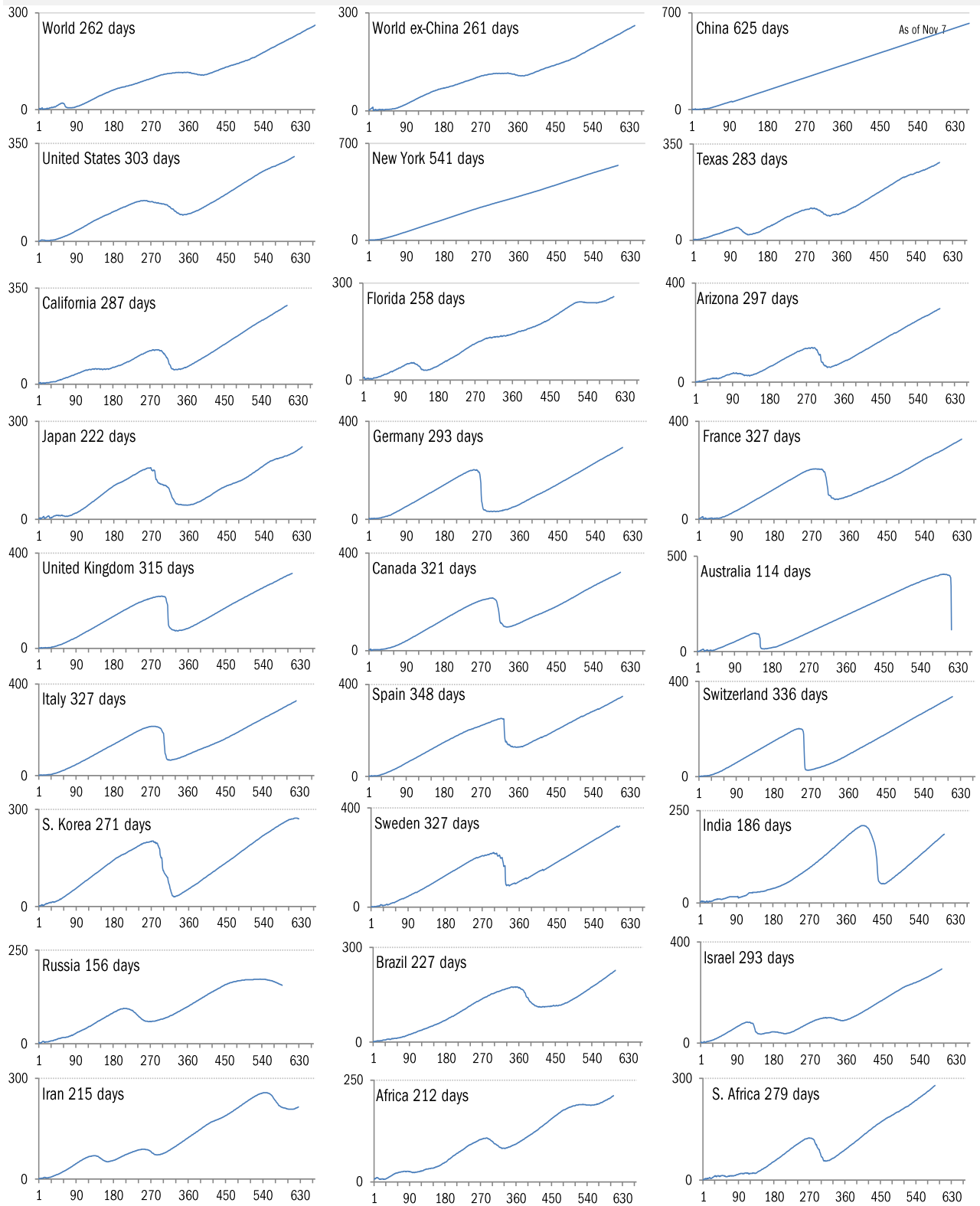


Source: [Johns Hopkins](#), TrendMacro calculations

"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

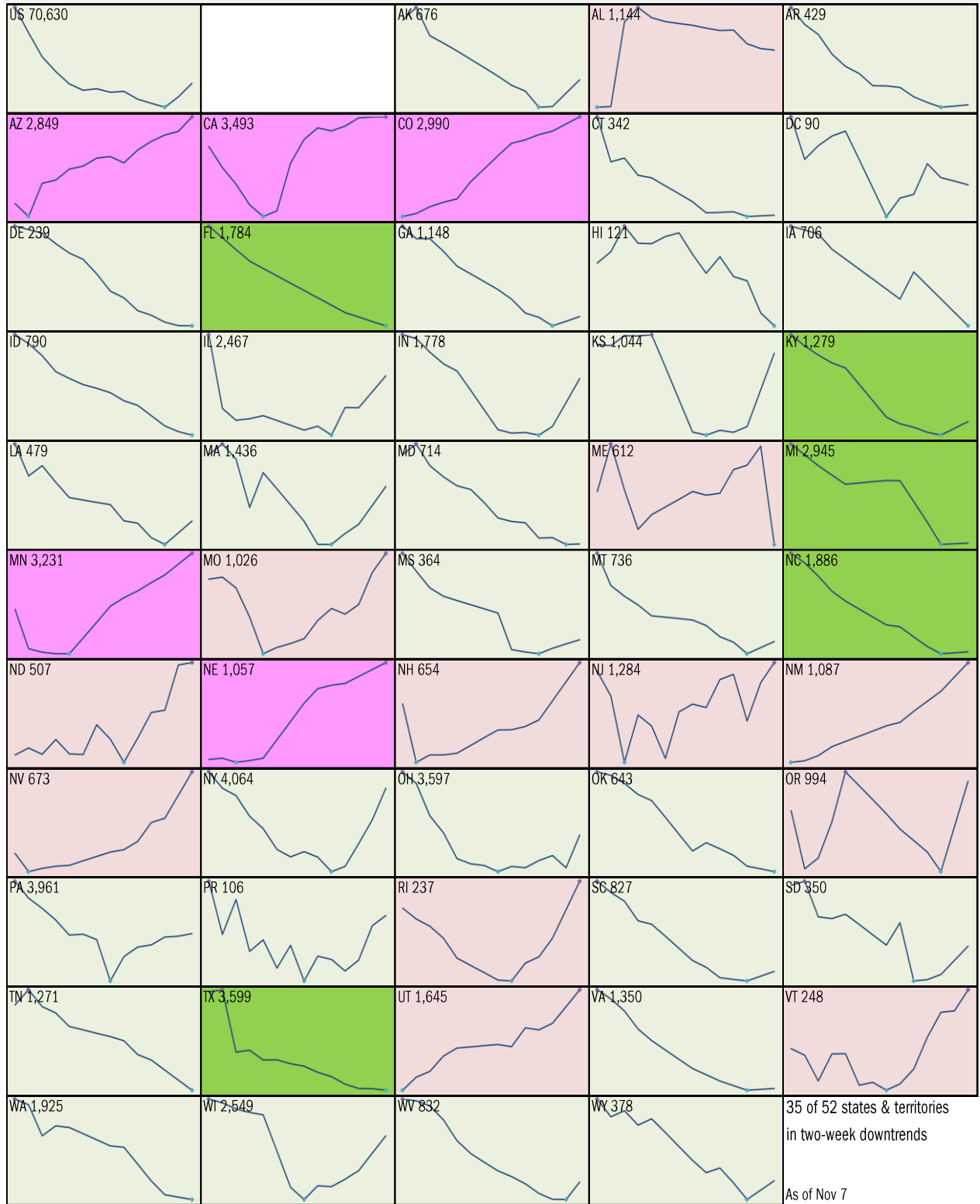


Source: [Johns Hopkins](#), TrendMacro calculations

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

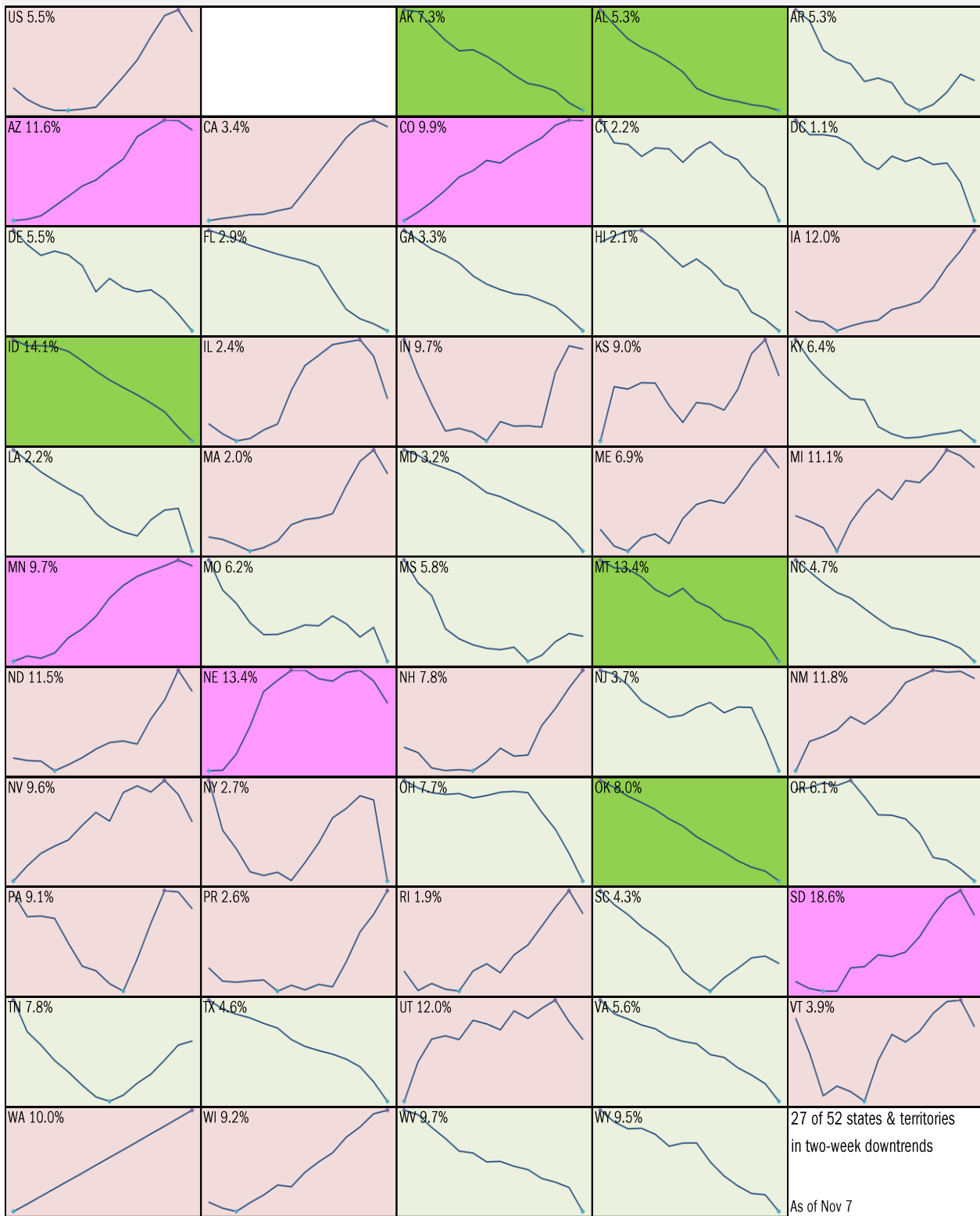


Source: [Johns Hopkins](#), TrendMacro calculations

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

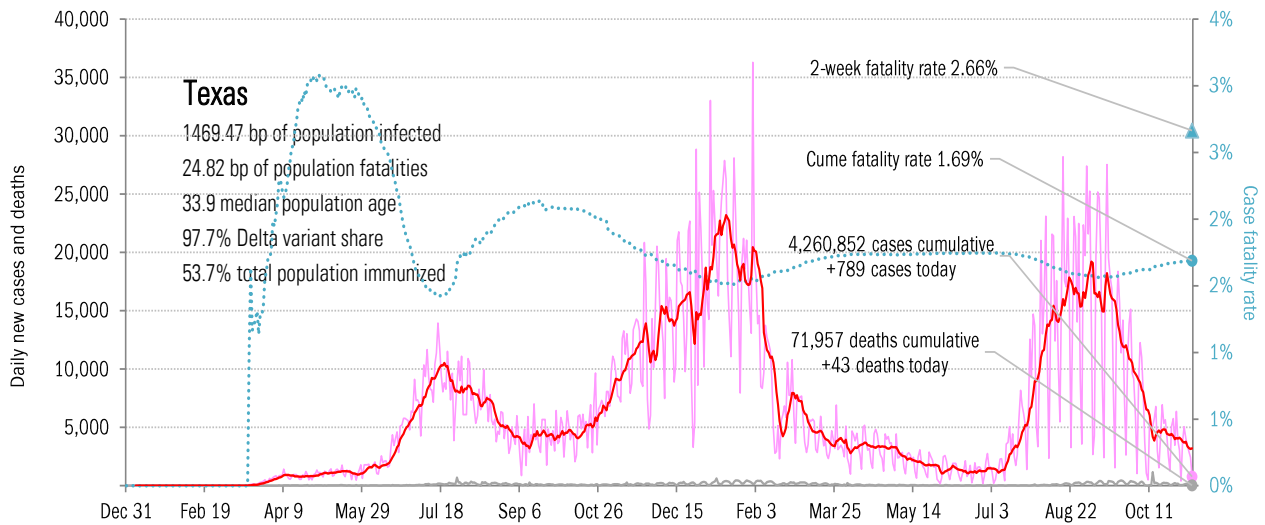
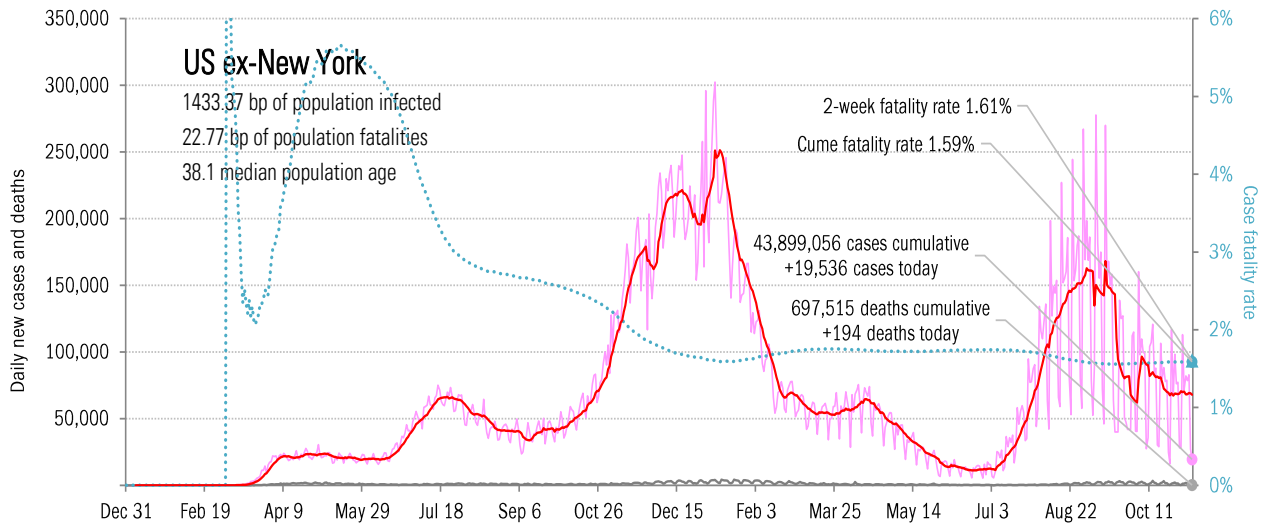
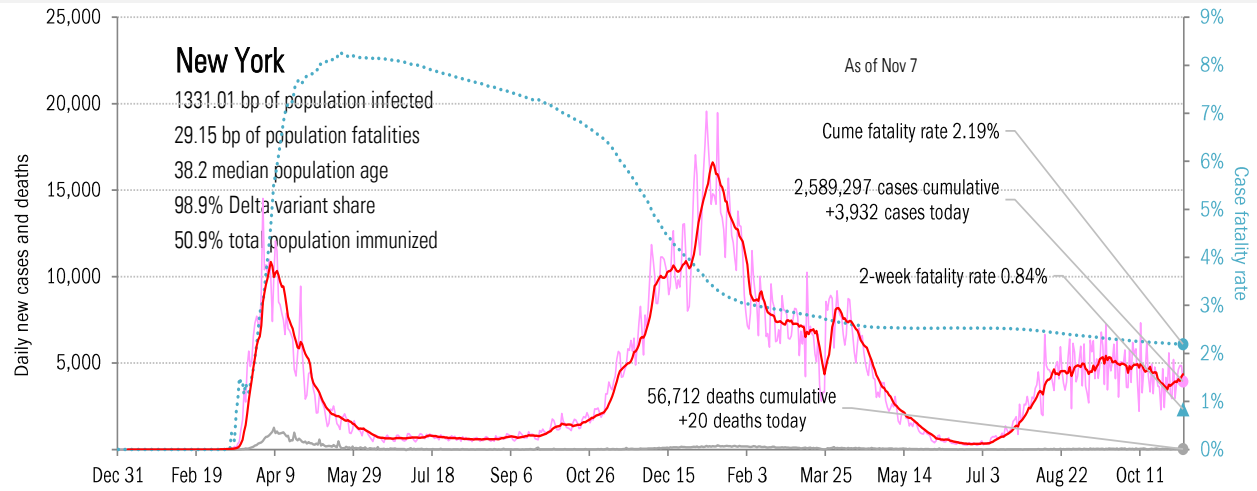
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

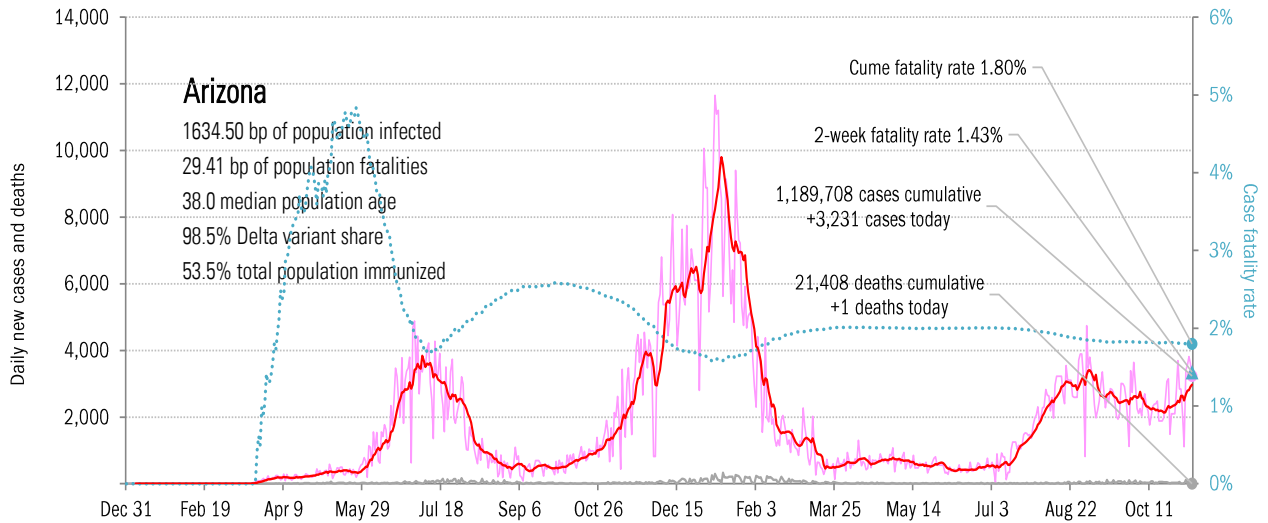
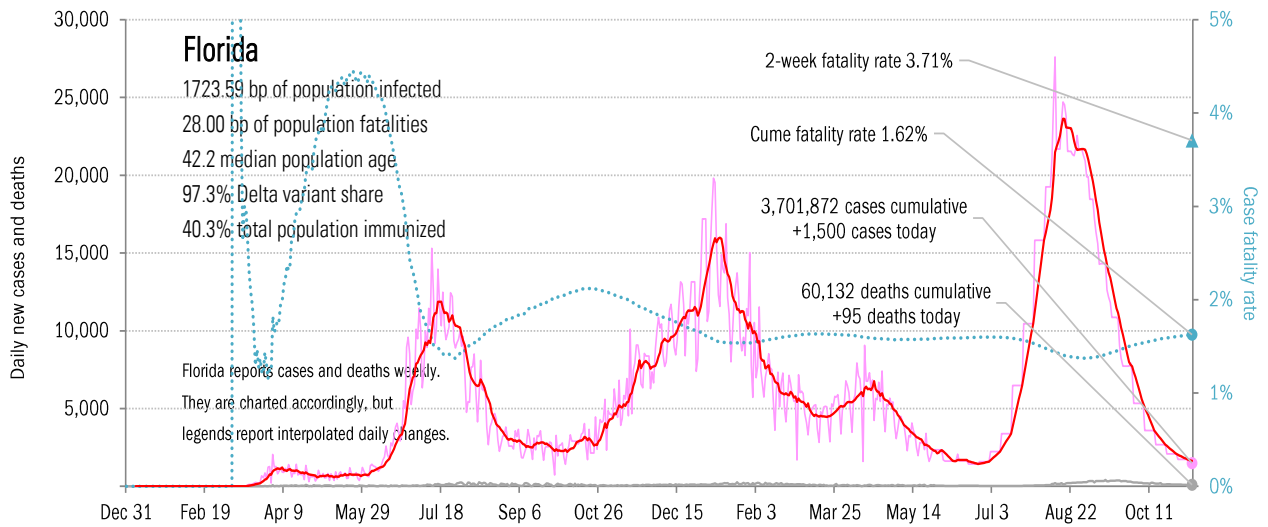
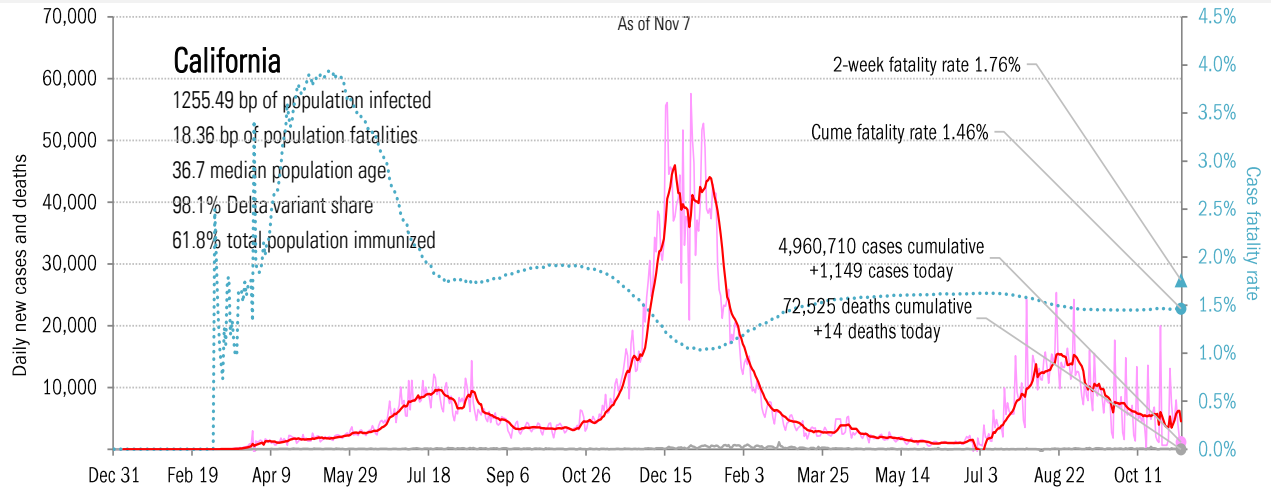
Cases: 7-day average and daily Deaths: Daily



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

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

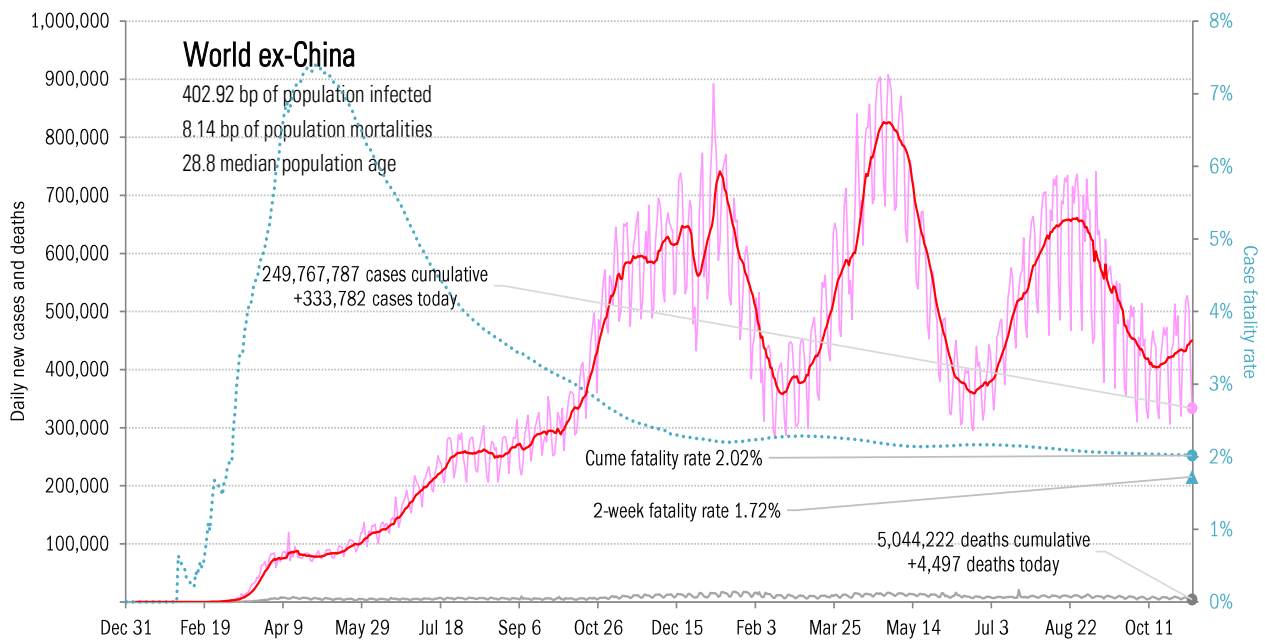
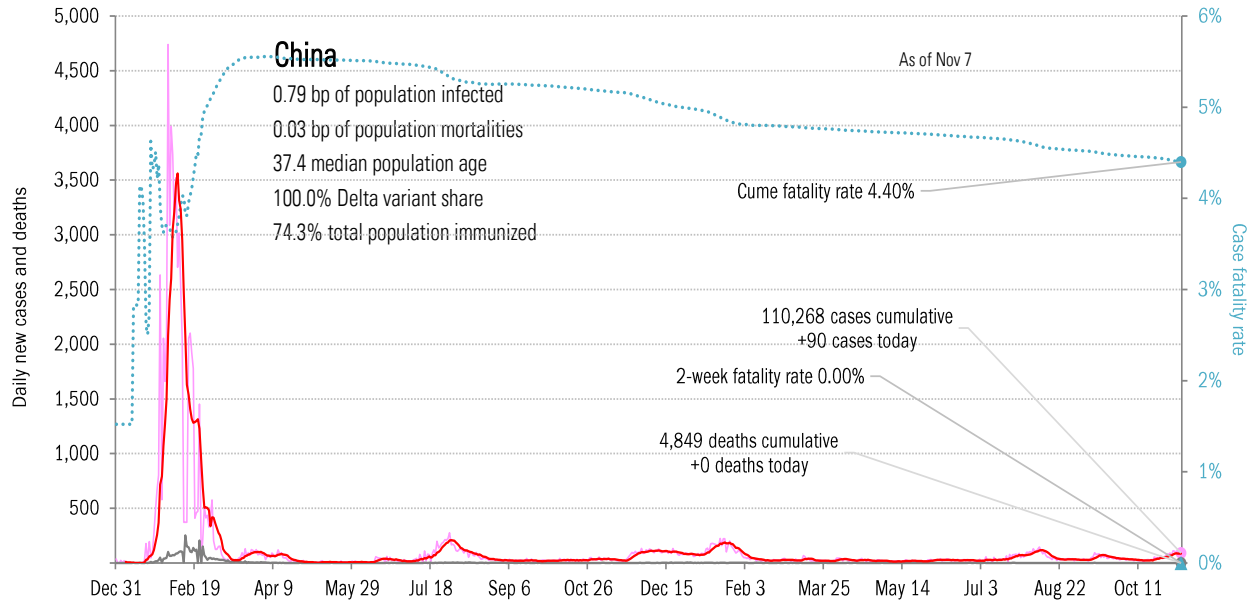
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

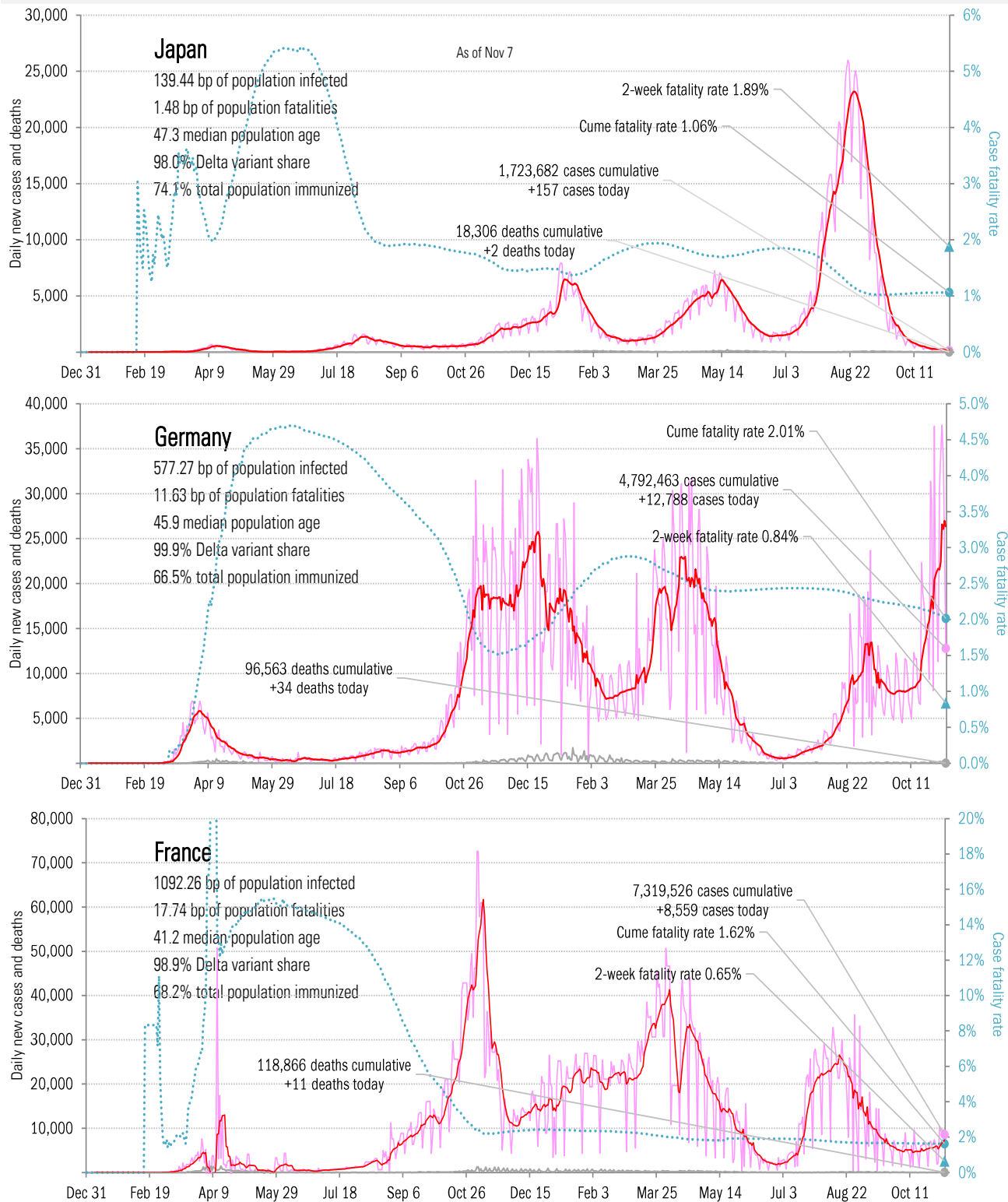
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

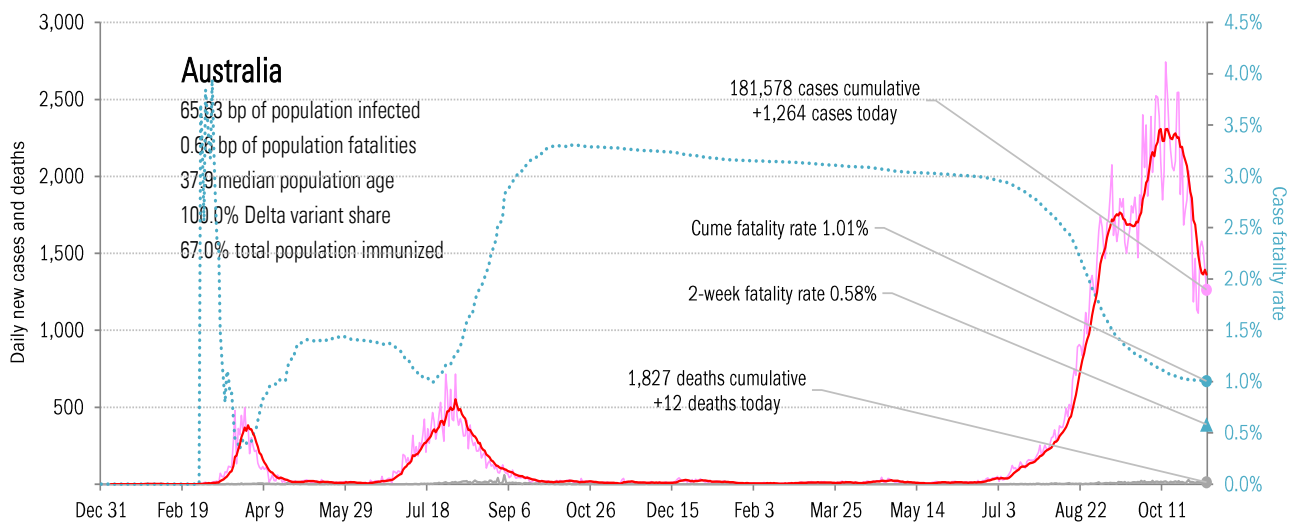
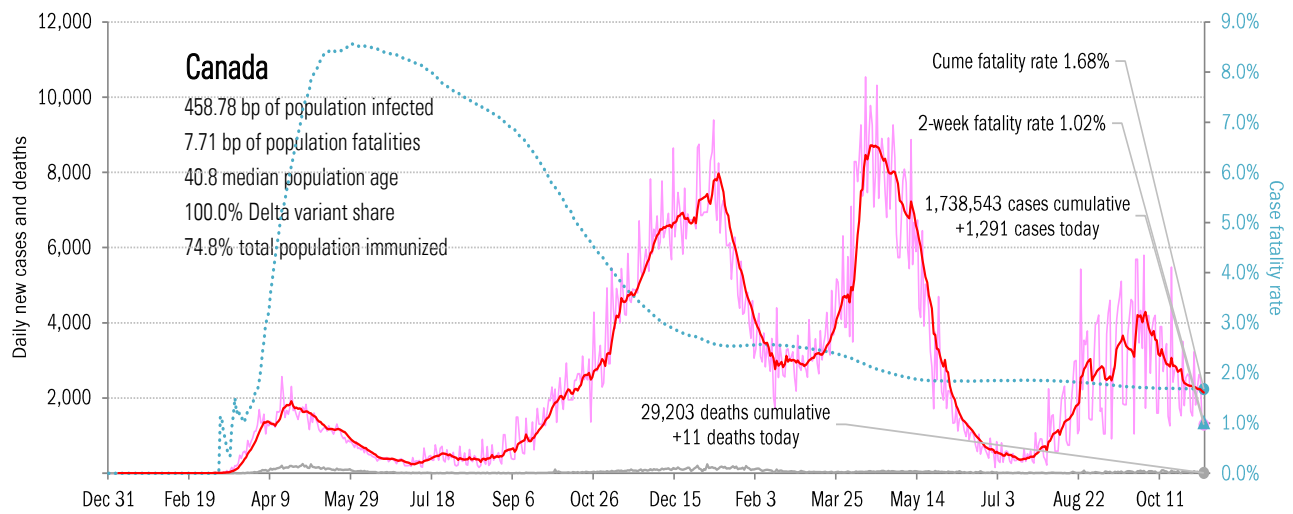
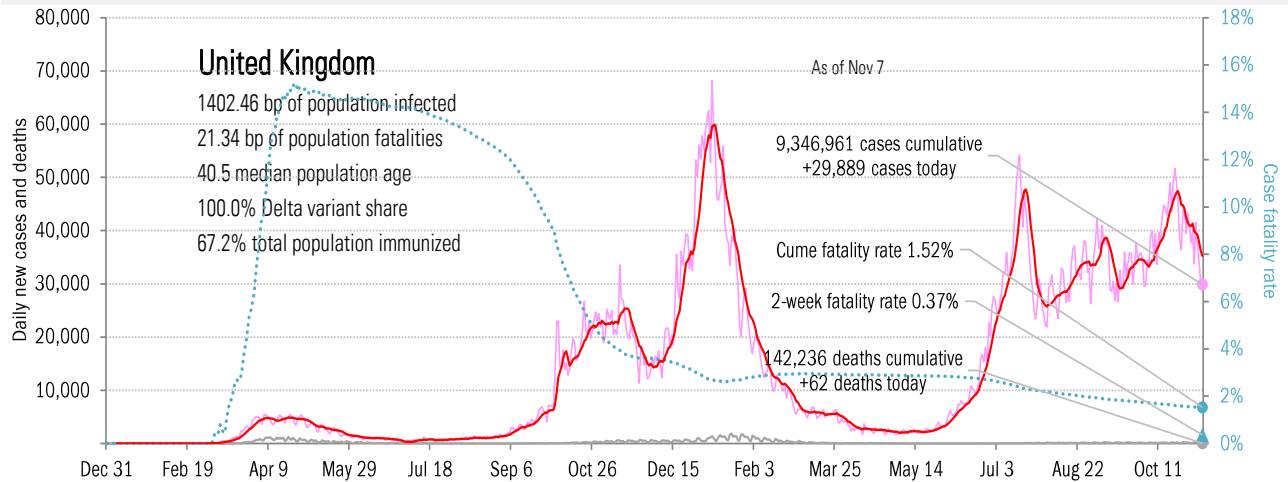
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

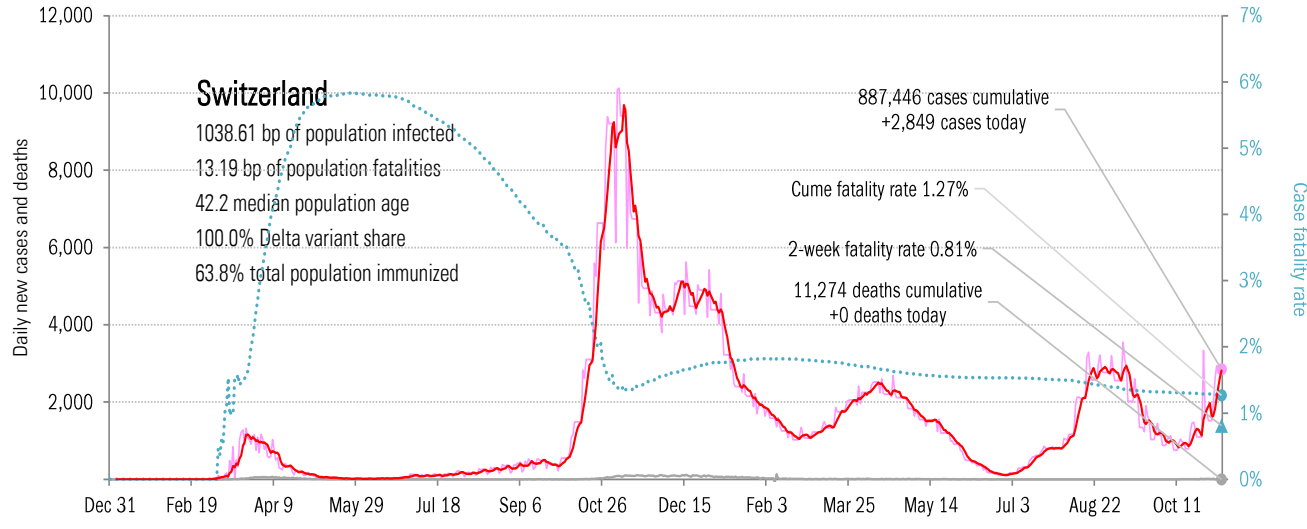
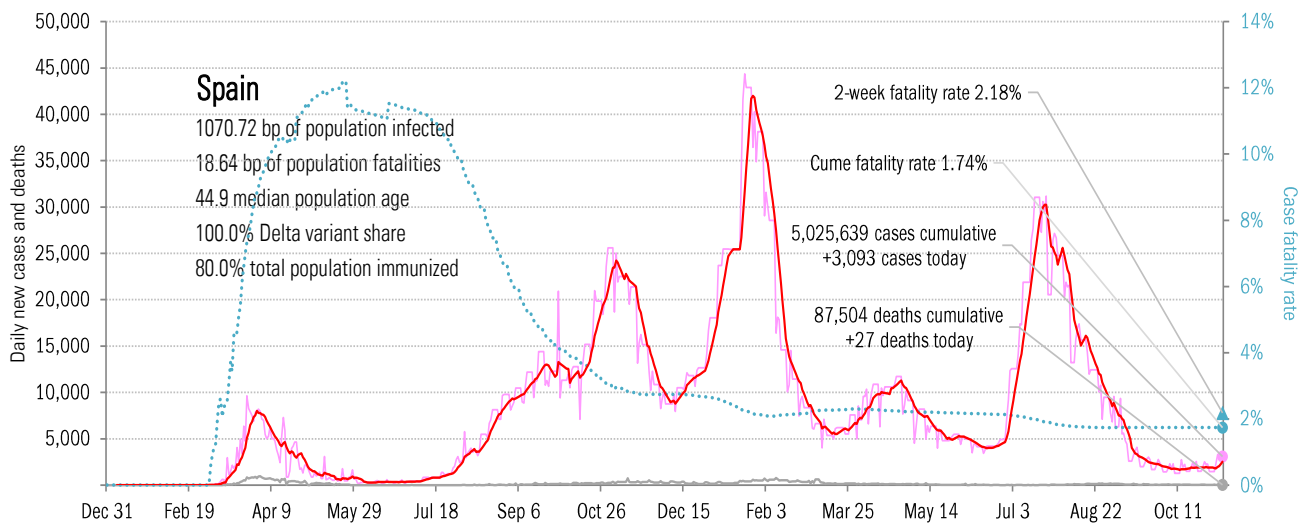
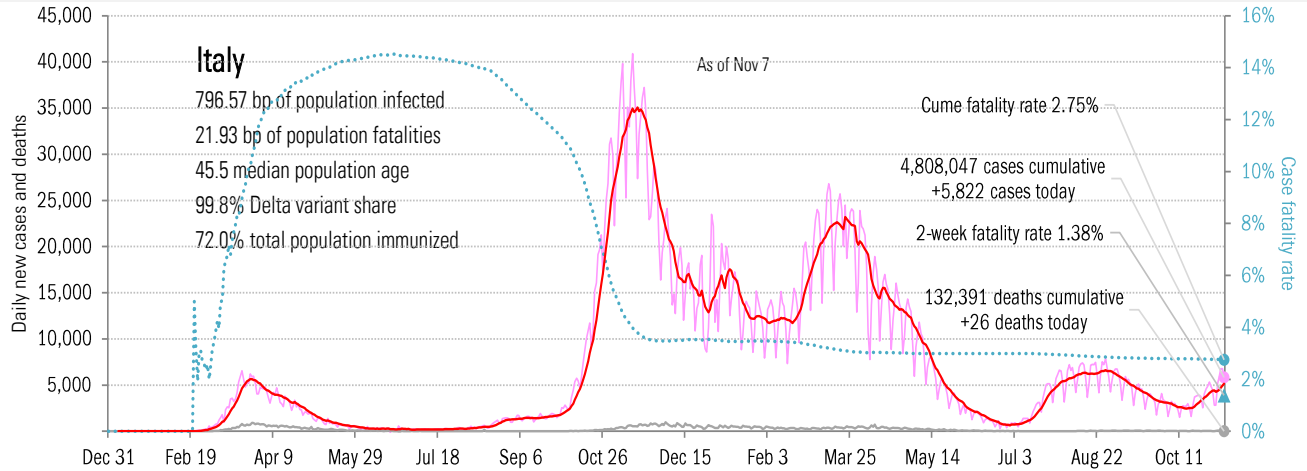
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

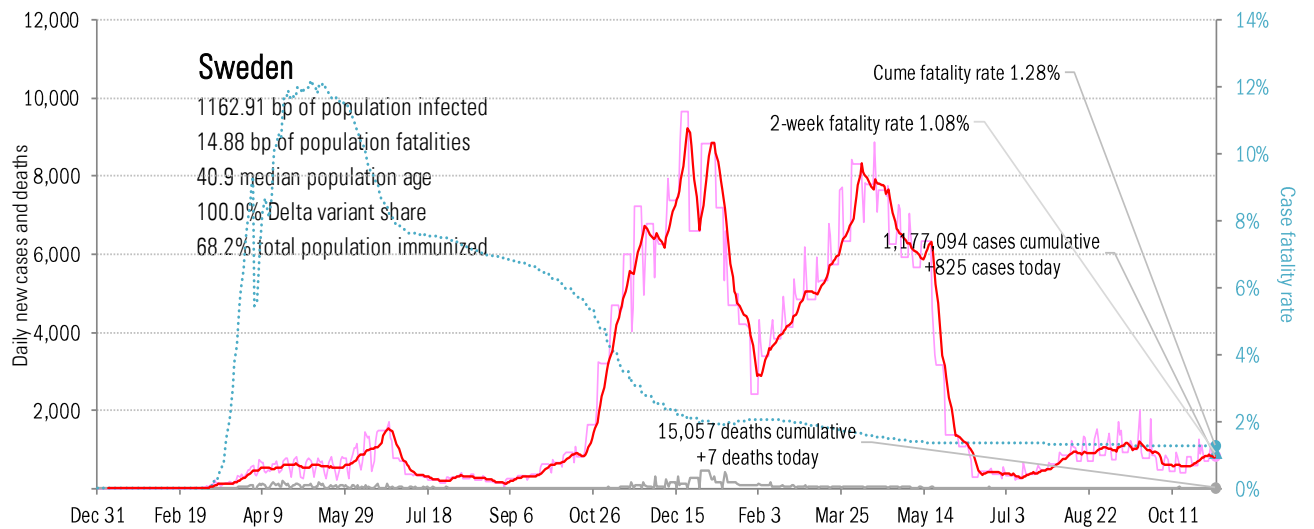
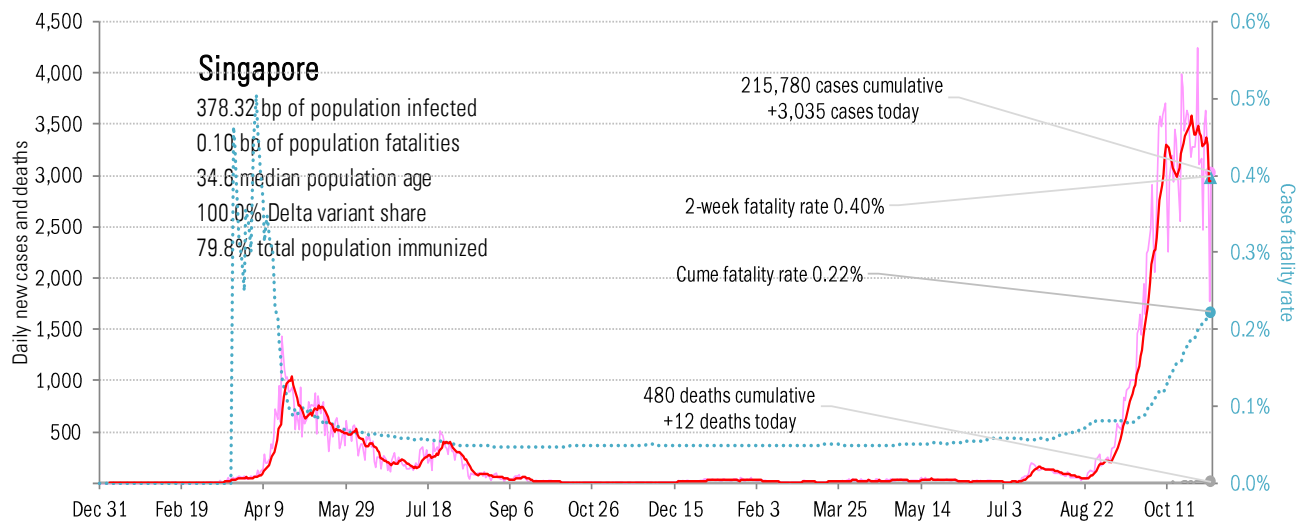
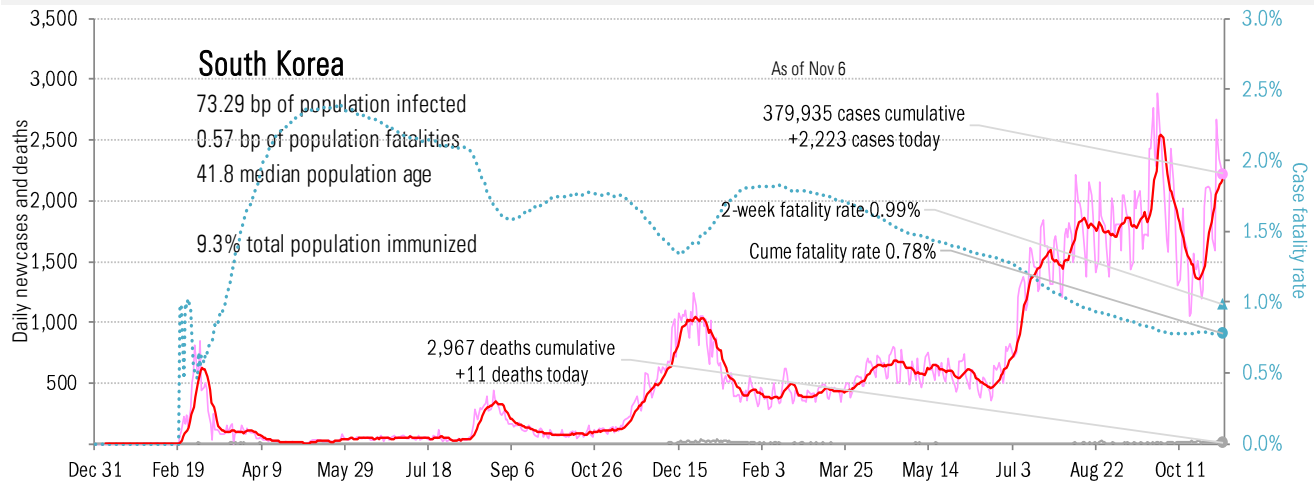
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

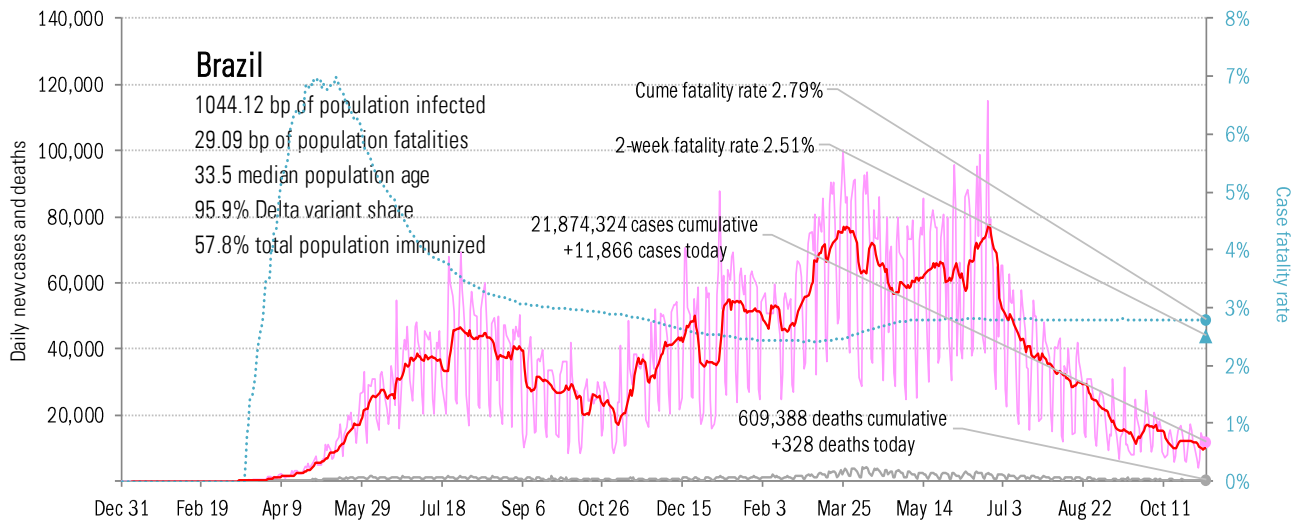
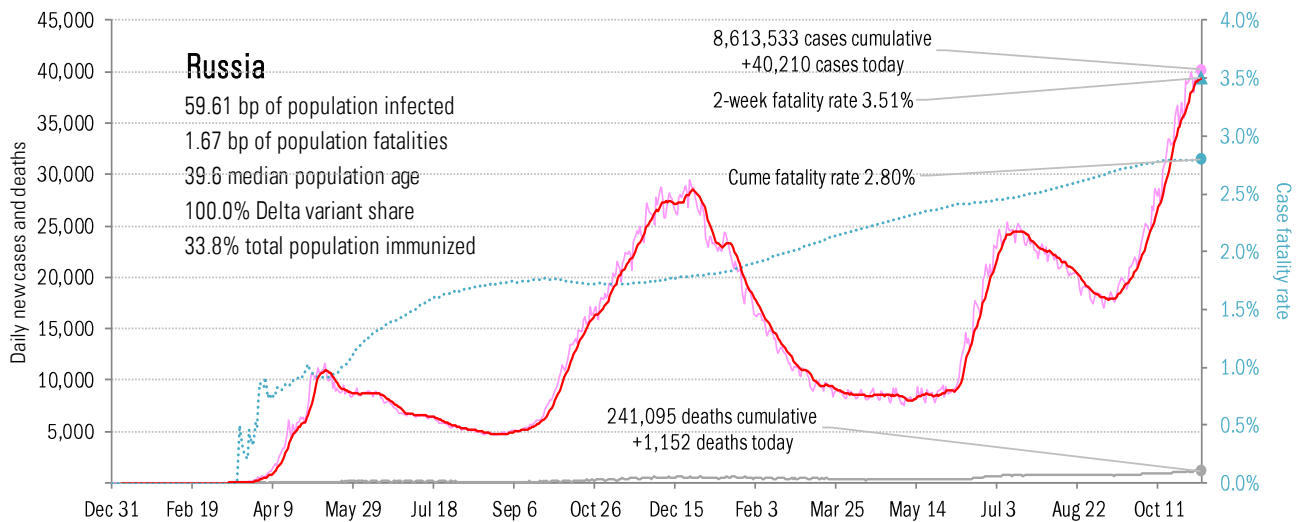
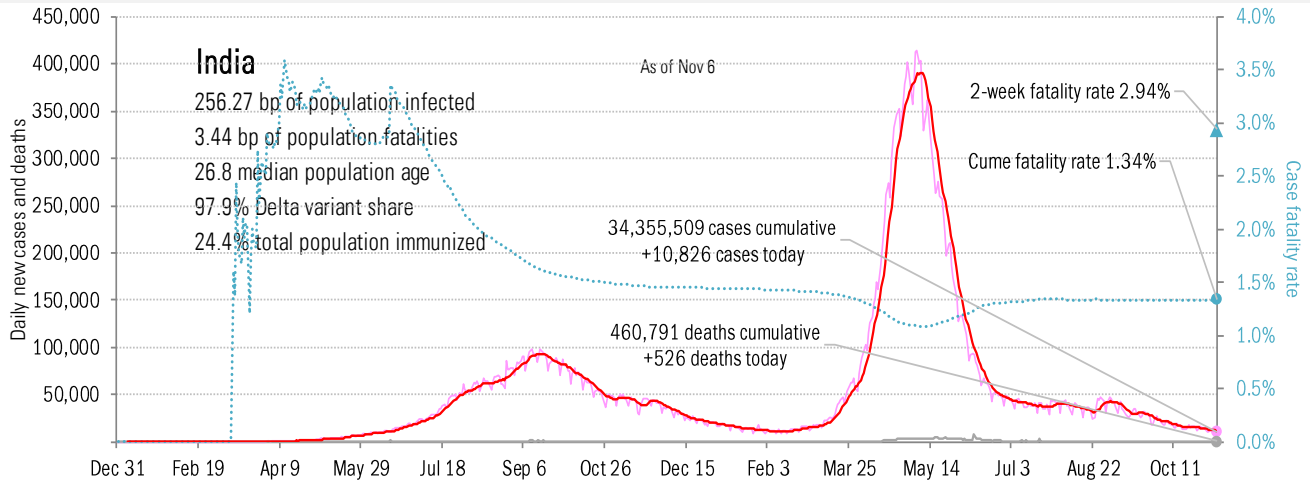
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

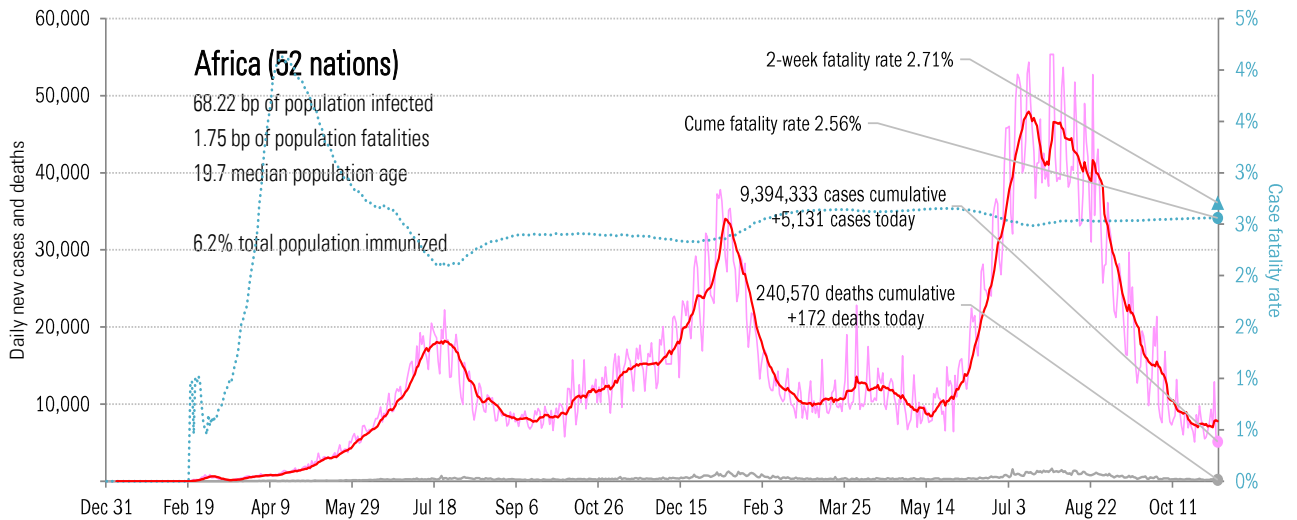
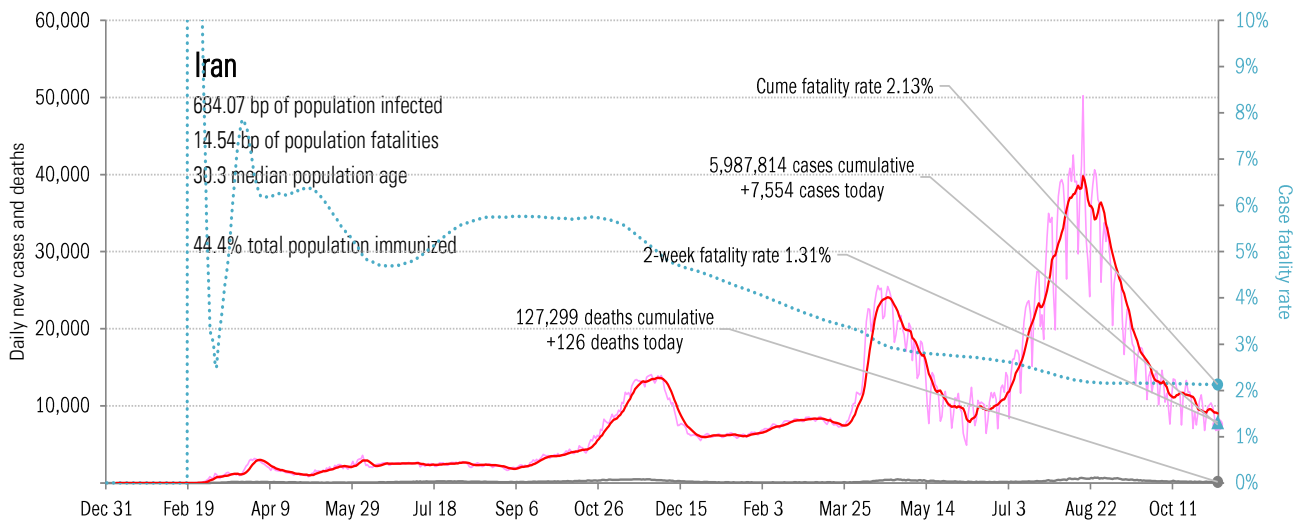
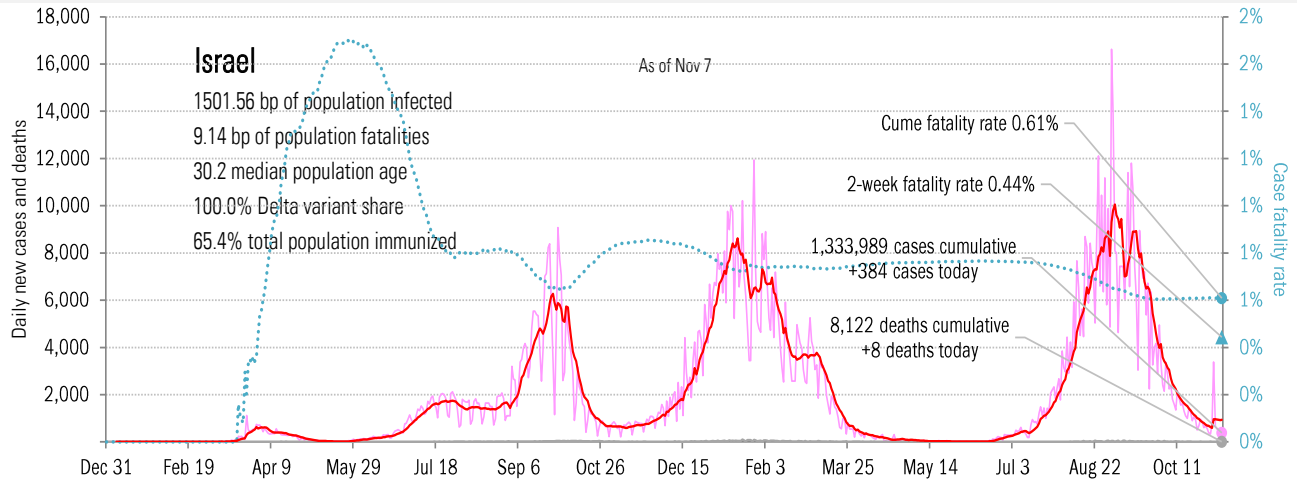
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

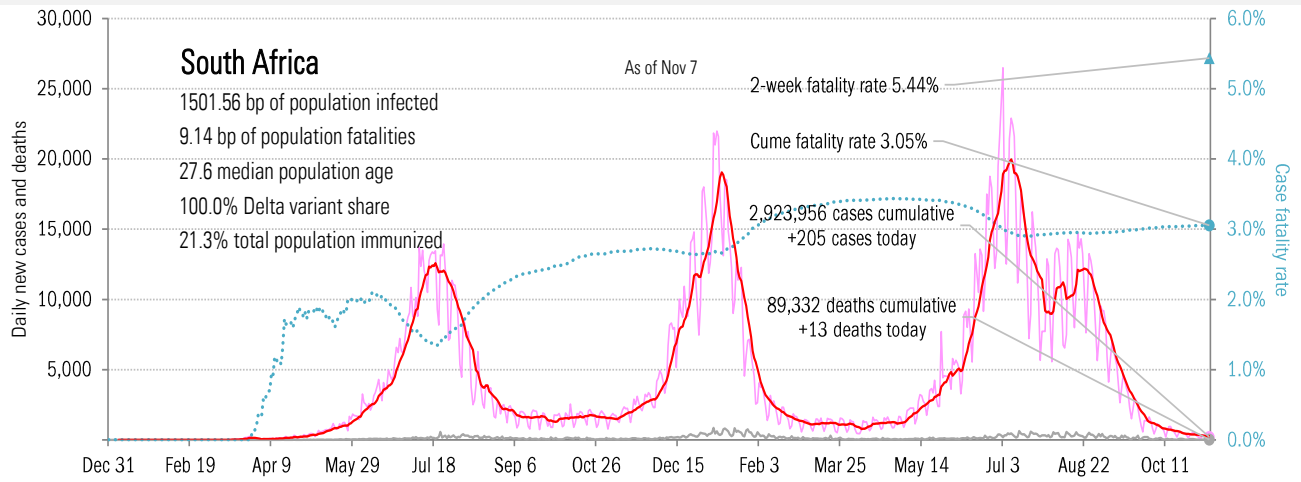
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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