

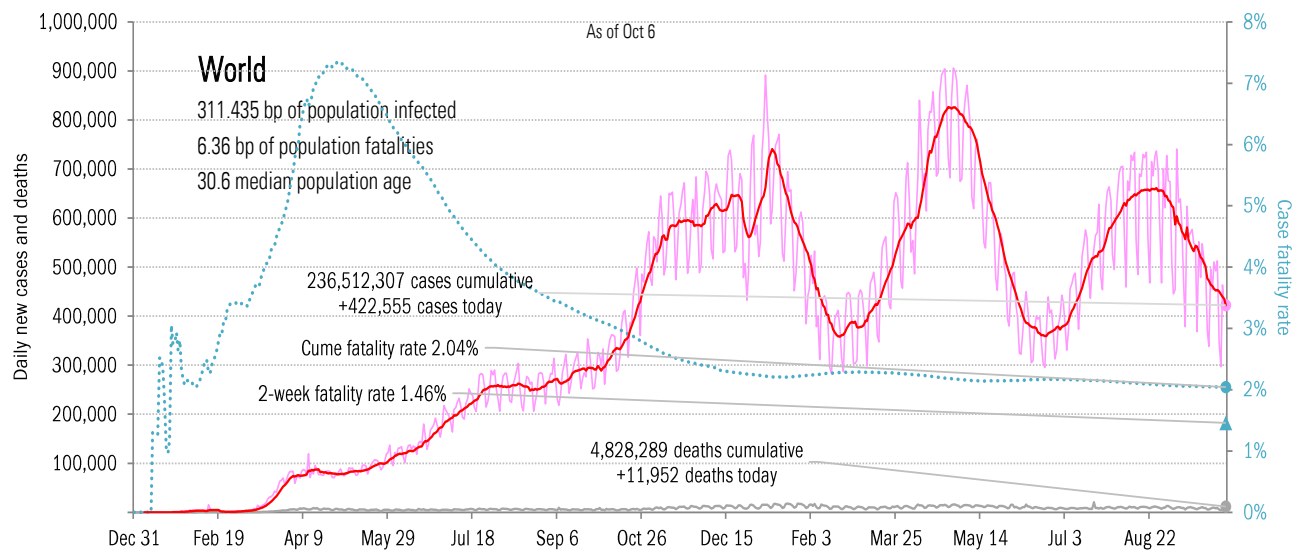
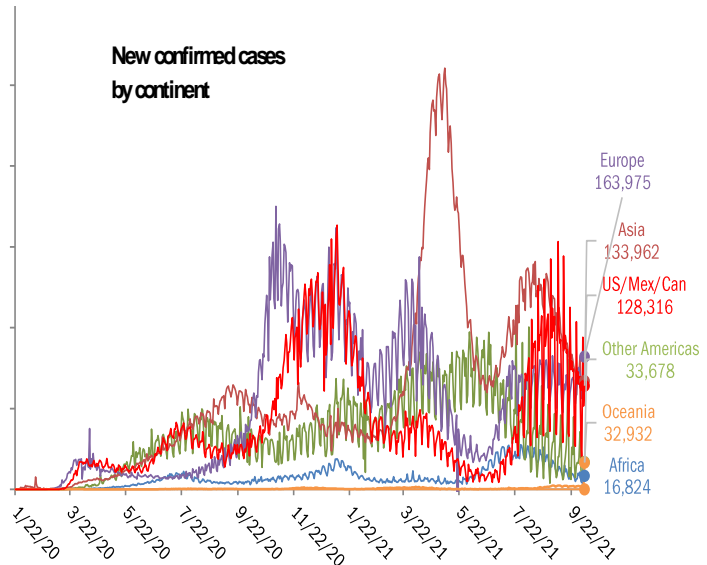
Data Insights: Covid-2019 Monitor

Thursday, October 7, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+116,831	United States	+2,775
United Kingdom	+38,922	France	+2,351
Turkey	+30,468	Russia	+910
West Bank and Gaza	+30,356	Mexico	+790
Russia	+24,479	Brazil	+530
India	+22,431	Ukraine	+339
Thailand	+21,066	Romania	+331
Brazil	+17,893	India	+318
Romania	+14,744	Slovenia	+310
Ukraine	+13,316	West Bank and Gaza	+268
+330,506		+8,922	
World	+422,555	World	+11,952
Top ten	78%	Top ten	75%



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

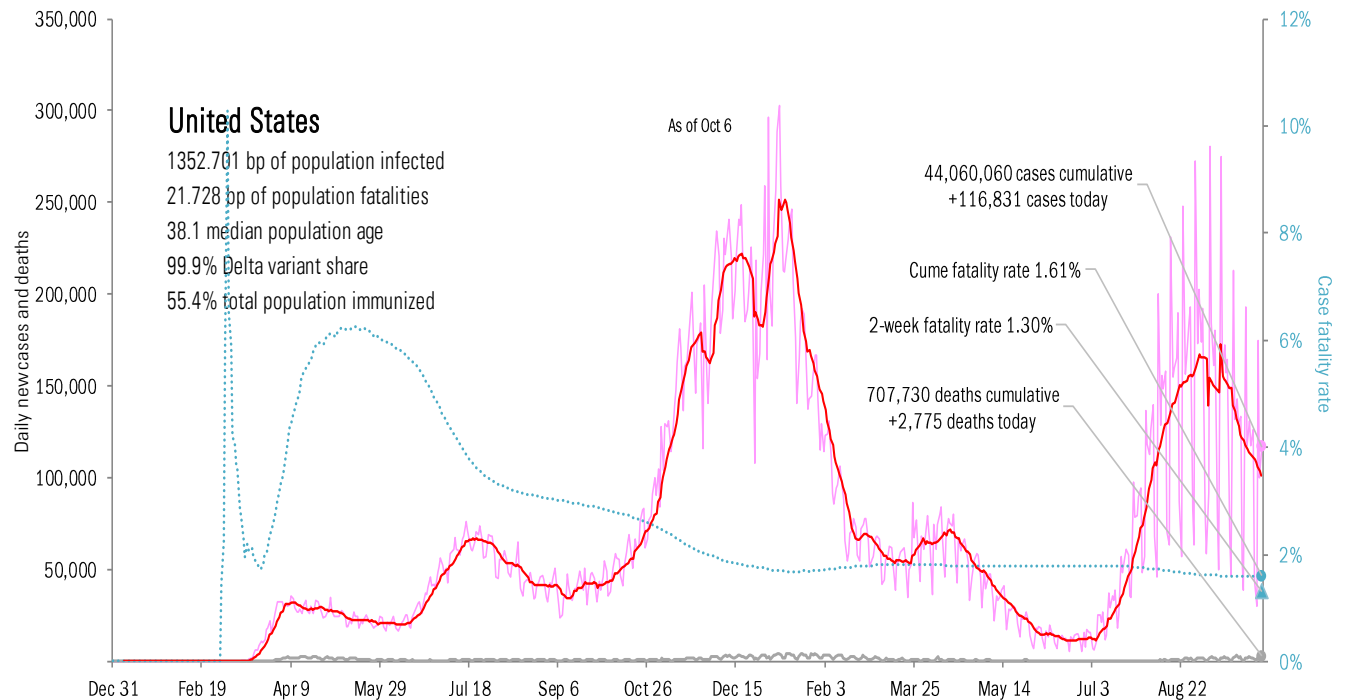
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	+11,013		TX	+363		MI	+49		CA	4,757,349		CA	69,663		TX	362,539		RI	87%	AL	92%
MI	+9,670		CK	+264		MT	+44		TX	4,116,410		TX	66,681		FL	310,681		MA	85%	TX	92%
CH	+6,295		FL	+222		NY	+38		FL	3,621,339		FL	55,574		CA	299,621		PA	85%	ID	91%
NY	+6,183		GA	+195		AZ	+32		NY	2,455,444		NY	55,571		NY	157,427		GA	84%	KY	90%
CA	+6,143		NC	+181		VA	+31		IL	1,643,993		PA	29,722		GA	153,828		MD	83%	GA	89%
FL	+5,328		CA	+171		MN	+29		GA	1,593,640		IL	27,586		CH	114,297		MI	82%	CK	88%
PA	+5,058		PA	+111		ID	+18		PA	1,458,445		NJ	27,542		PA	108,394		MN	82%	WV	87%
VA	+3,919		MI	+106		NE	+16		CH	1,445,785		GA	26,820		KY	107,692		SC	81%	AR	86%
MN	+3,883		IA	+88		WI	+11		NC	1,417,203		MI	22,609		IL	100,910		WV	81%	NC	86%
NC	+3,617		IN	+77		CO	+9		TN	1,244,366		CH	22,490		MI	84,756		TX	80%	VT	86%
+61,109			+1,778			+277			23,753,974			404,258			1,800,145						
All states	+116,831		+2,775			-583			All states	44,060,060		707,730			3,201,616			All states	70%		67%
Top ten	52%		64%			-48%			Top ten	54%		57%			56%			Median	77%		79%

Some states not reporting

Five most improved US states

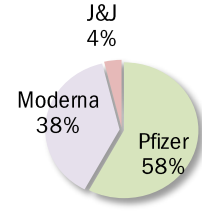
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MN	-3,241	MO	-93	PA	-52	NC	+60 bp
WI	-2,053	WY	-45	ND	-27	GA	+50 bp
GA	-1,965	MS	-42	NM	-26	DE	+30 bp
TX	-1,244	TN	-41	ME	-25	UT	+30 bp
IA	-885	AZ	-35	NV	-21	MD	+20 bp



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	409,870,387		+0.976 million		US	55.4%	64.2%	
	One dose	% Pop	Immune	% pop	New immune today	UK	66.1%	71.9%
Total population	221,261,217	66%	191,048,571	57%	+0.329 million	France	66.3%	74.7%
Age 12 to 17	13,806,032	58%	11,281,540	47%	+0.033 million	Spain	78.7%	80.8%
Age 18 to 64	152,988,156	75%	131,513,897	65%	+0.250 million	Germany	64.4%	67.8%
Age 65 and over	53,385,197	98%	47,367,996	87%	+0.044 million	Italy	68.6%	75.5%
						Australia	47.7%	67.3%
						Israel	64.5%	70.1%
						Canada	71.6%	77.4%
						Japan	63.0%	72.8%
						Africa	4.6%	7.0%
						India	18.3%	48.0%
						Brazil	44.5%	71.4%
						China	72.6%	76.2%



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



Every American >18 immune in **82 days** by Dec 26, 2021
 69.3% of population >18 immunized
 15.0% previously tested positive
84.3% vs 60% adult herd immunity

As of Oct 6

Global data differs from sources, timing

AK
57.7%
51.0%

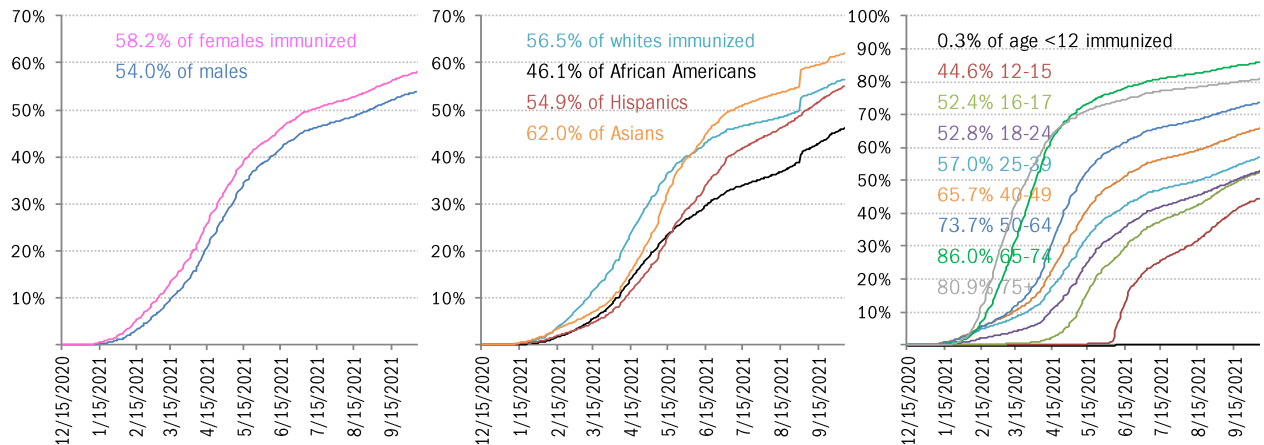
WI
61.3%
56.9%

ME
74.5%
68.8%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
67.7%	47.5%	55.2%	51.4%	63.8%	68.9%	57.5%	72.0%	78.1%	71.1%	
61.6%	42.1%	48.8%	44.6%	58.5%	53.9%	52.7%	64.3%	69.8%	61.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
66.9%	61.3%	49.0%	59.7%	58.4%	52.6%	54.6%	73.4%	73.0%	78.0%	
61.3%	51.2%	42.1%	52.0%	54.3%	48.7%	50.6%	58.3%	64.8%	68.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
72.3%	59.5%	66.0%	59.7%	55.3%	61.3%	48.3%	68.9%	71.1%	76.8%	75.9%
59.5%	51.5%	59.8%	55.0%	48.4%	53.0%	40.6%	61.1%	64.6%	69.2%	69.0%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	59.7%	73.0%	60.4%	56.1%	53.1%	60.8%	55.7%	71.5%	67.0%	
	51.5%	63.6%	51.6%	46.1%	46.0%	50.8%	47.9%	60.6%	58.2%	
			OK	LA	MS	AL	GA			
			57.1%	52.1%	50.5%	53.0%	55.4%			
			48.1%	45.9%	44.0%	43.2%	46.2%			
			TX					FL		PR
			59.9%					67.4%		79.8%
			51.7%					57.9%		71.1%

HI
77.1%
58.4%

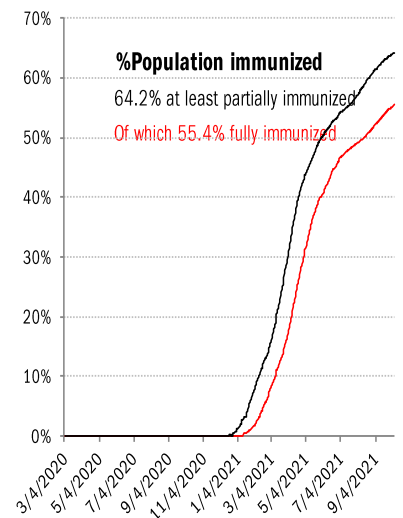
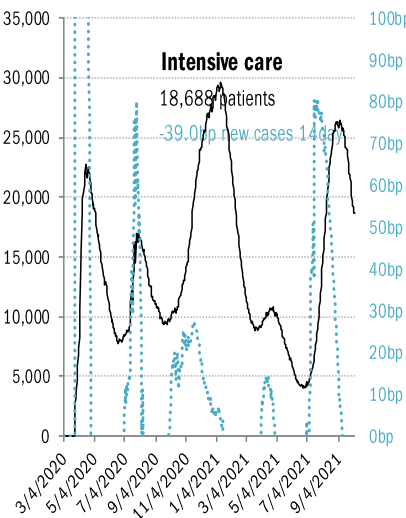
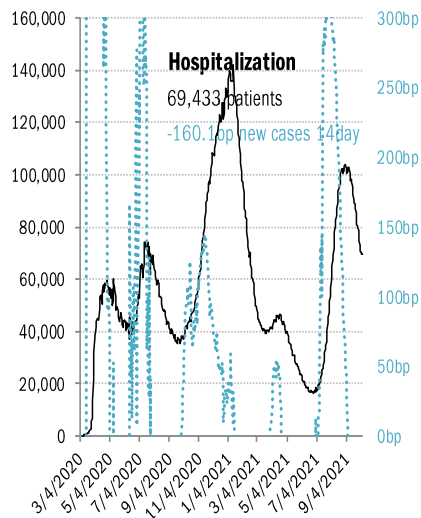
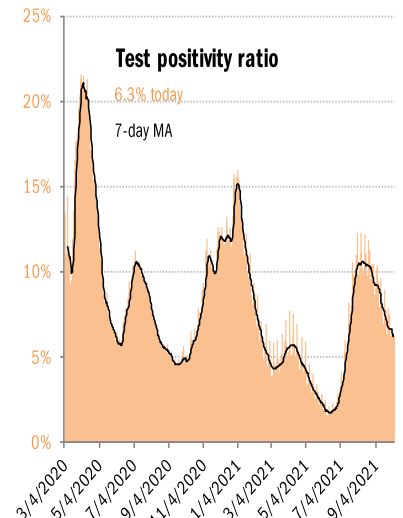
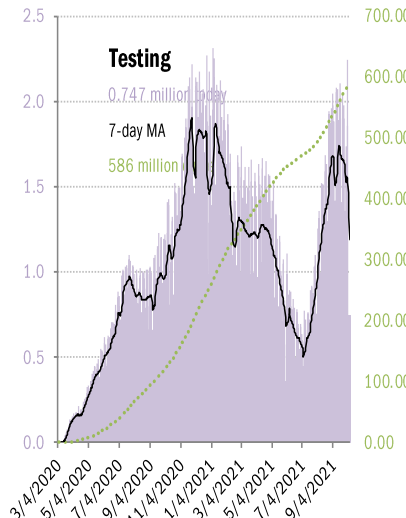
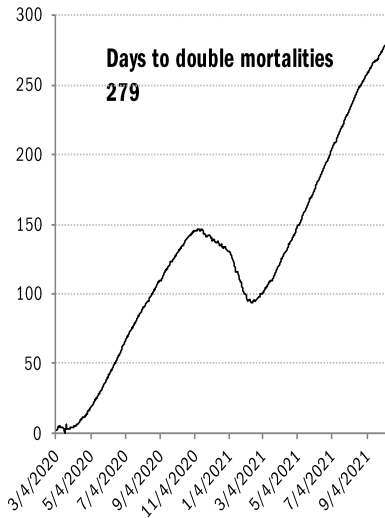
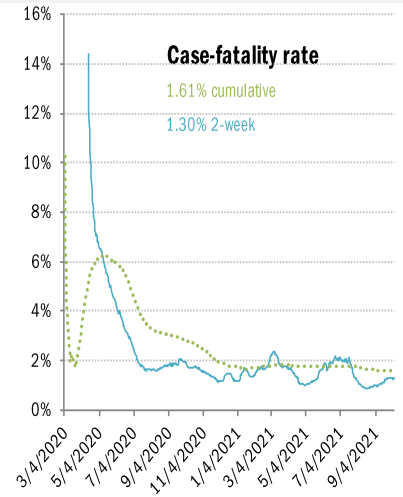
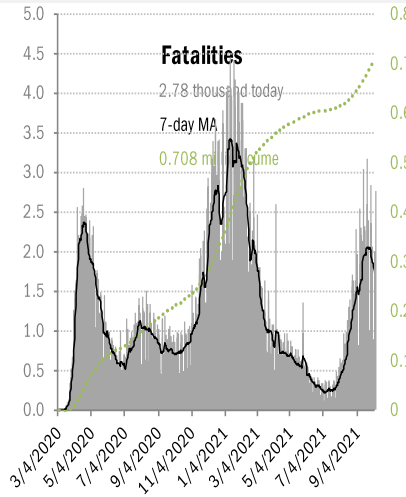
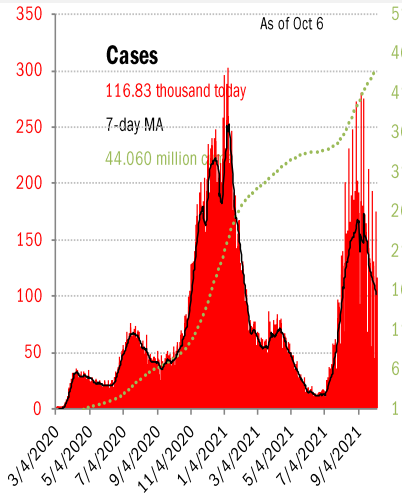
The demographics of US vaccination



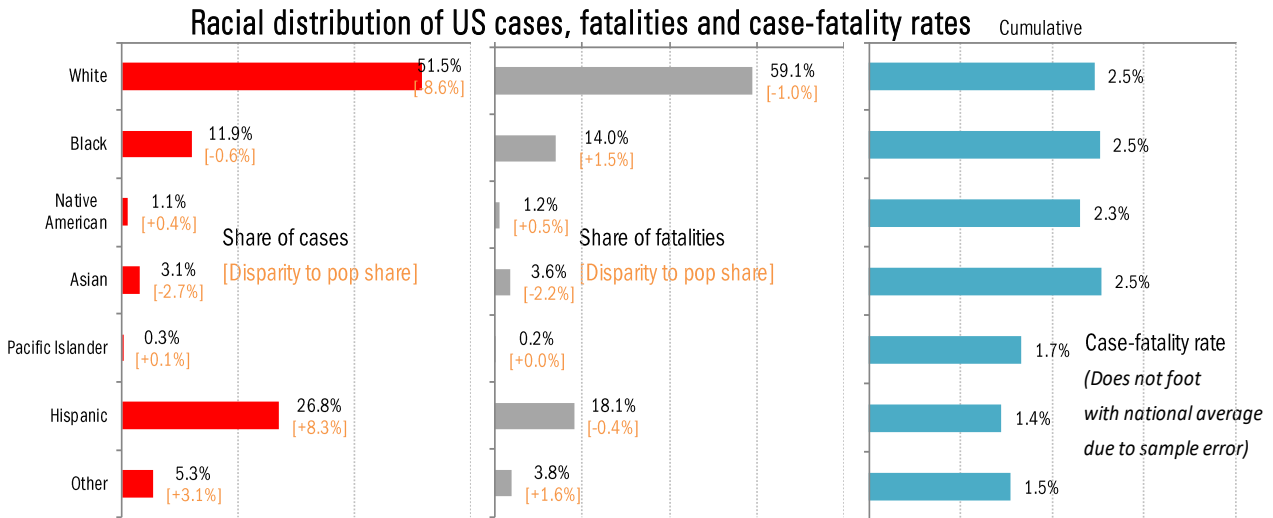
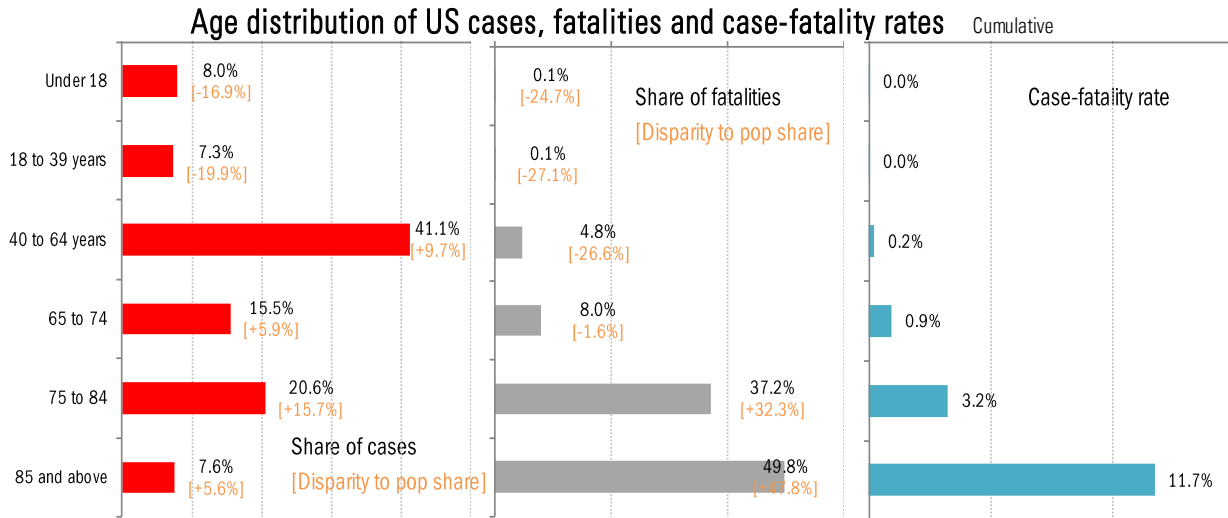
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

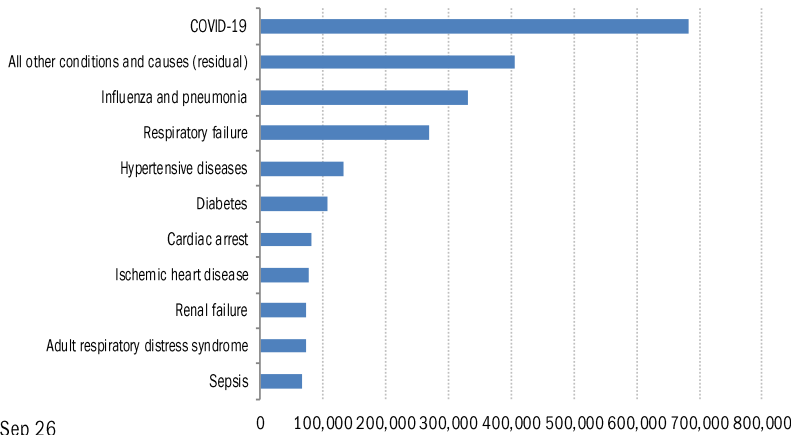


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Sep 26

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

[The White House says it will spend \\$1 billion to increase the supply of rapid at-home tests.](#)

Noah Weiland
New York Times
October 6, 2021

[Man behind COVID-19 licking hoax sentenced to federal prison](#)

Adam Barnes
Changing America
October 6, 2021

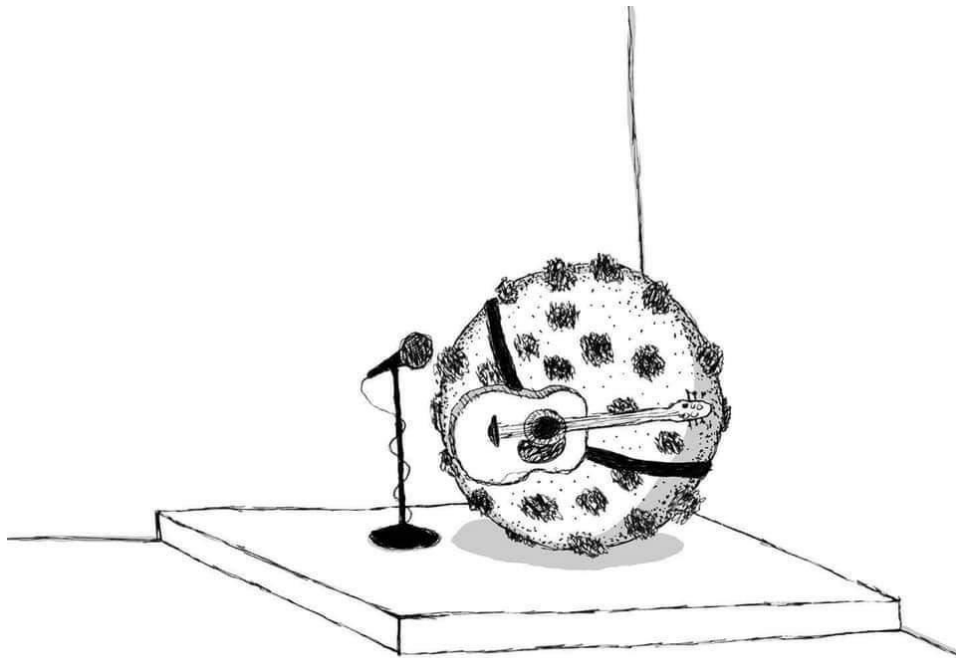
[A 'Historic Event': First Malaria Vaccine Approved by W.H.O.](#)

Apoorva Mandavilli
New York Times
October 6, 2021

[6 Scandals The Media Won't Tell You About Outgoing NIH Director Francis Collins.](#)

Natalie Winters and Raheem Kassam
National Pulse
October 5, 2021

Meme of the day

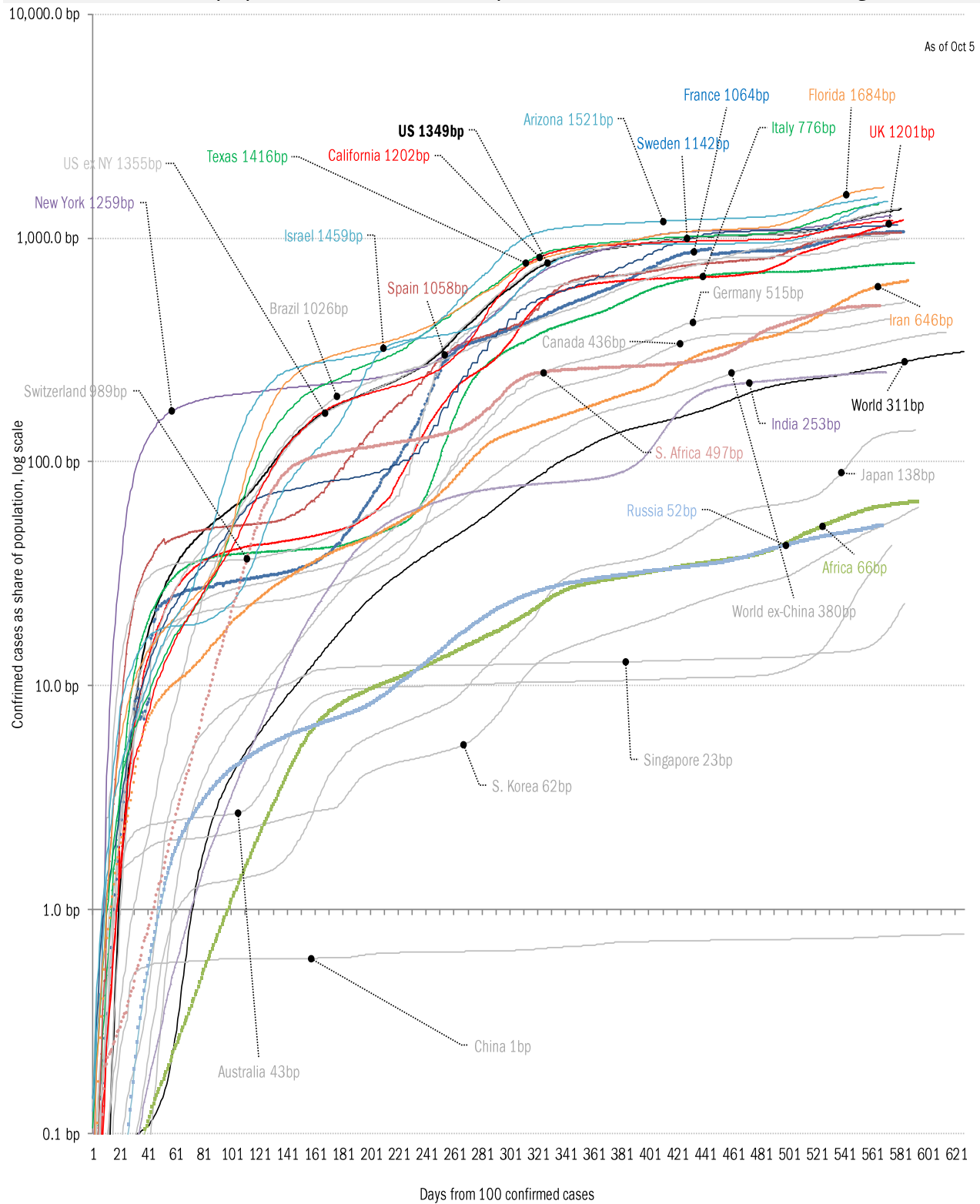


"This one's dedicated to all the people that didn't believe in me when I was getting started."

EE

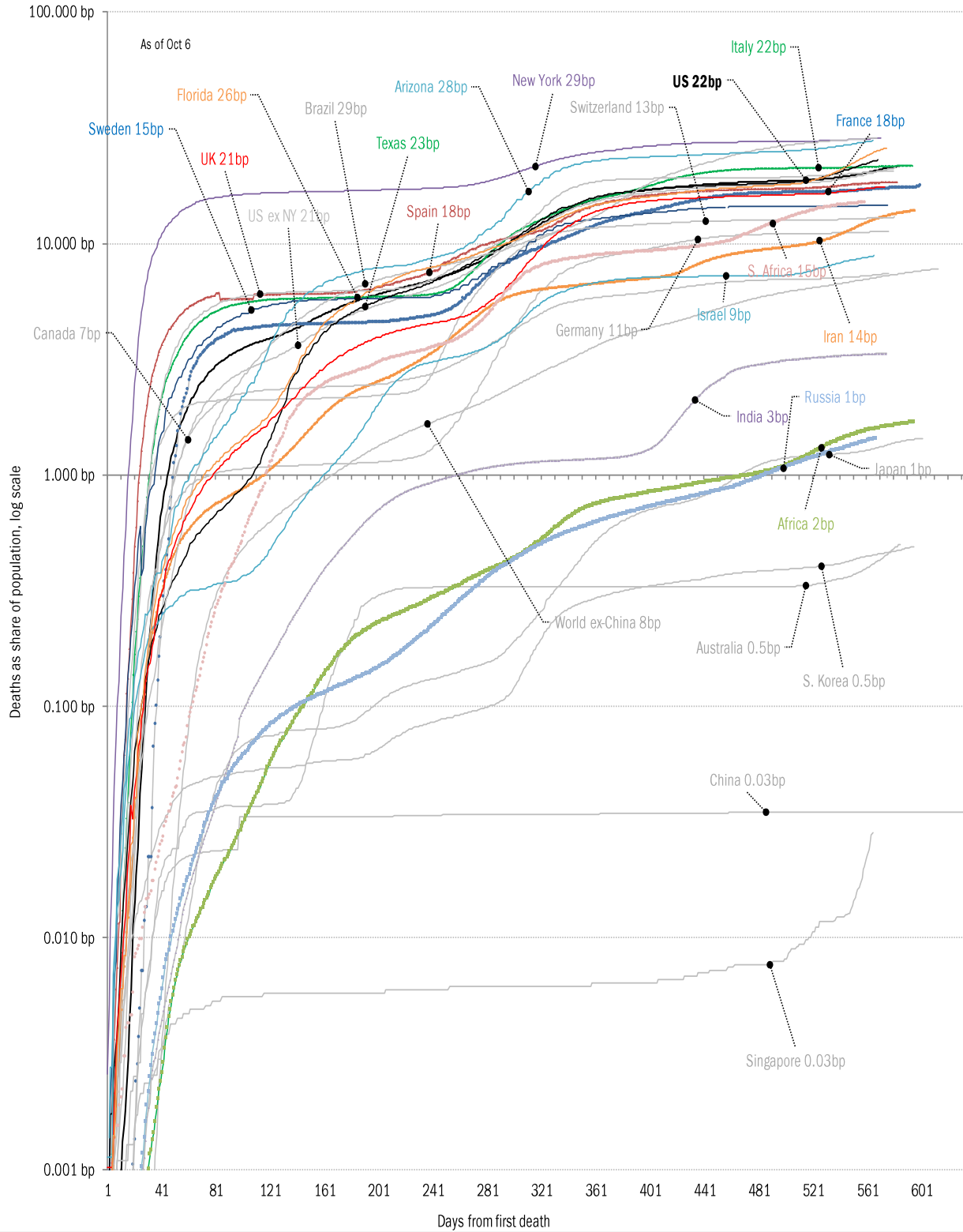
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

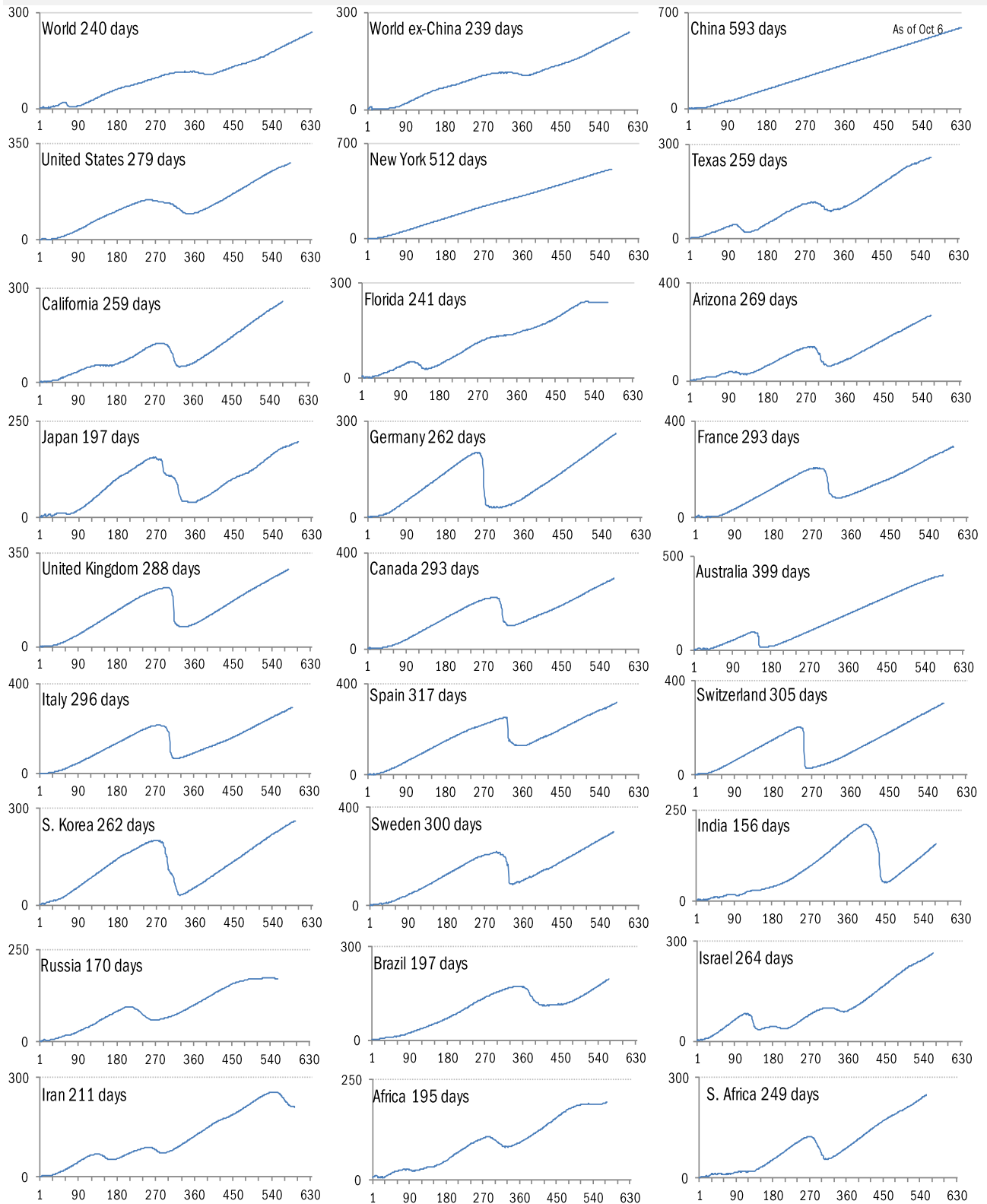


Source: [Johns Hopkins](#), TrendMacro calculations

"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

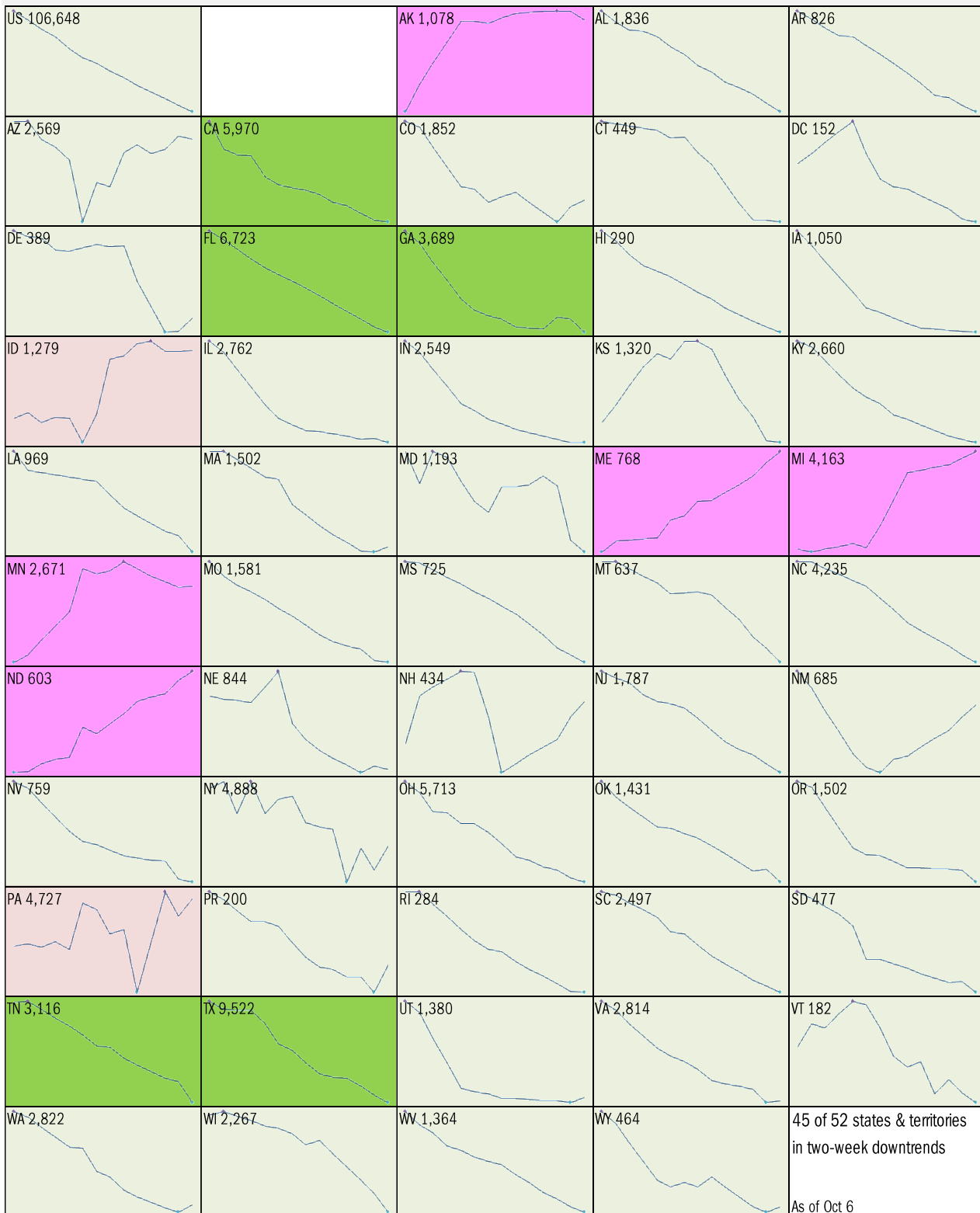


Source: [Johns Hopkins](#), TrendMacro calculations

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

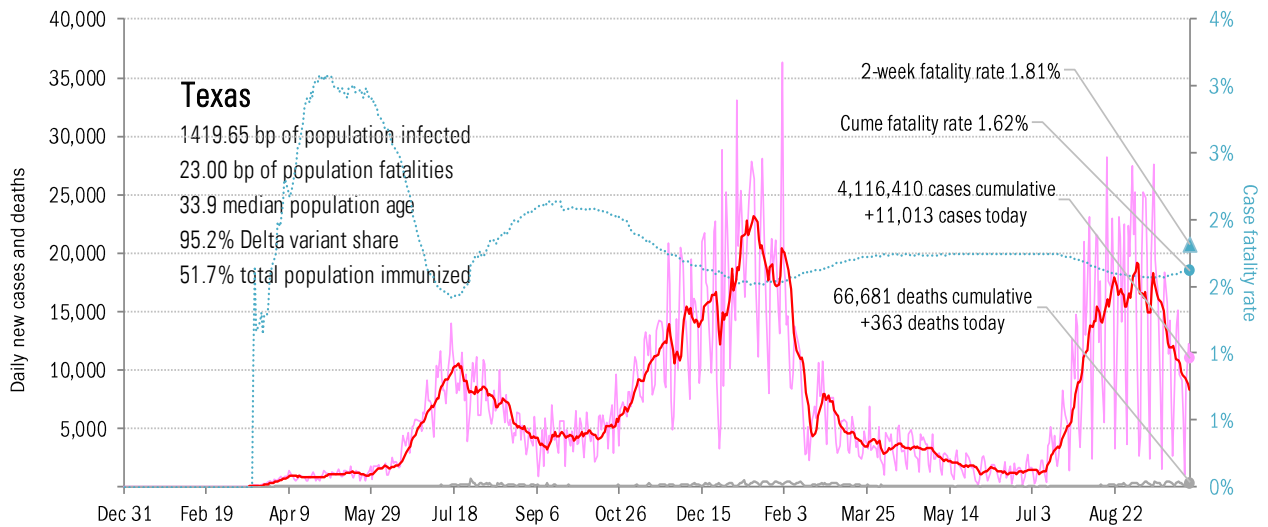
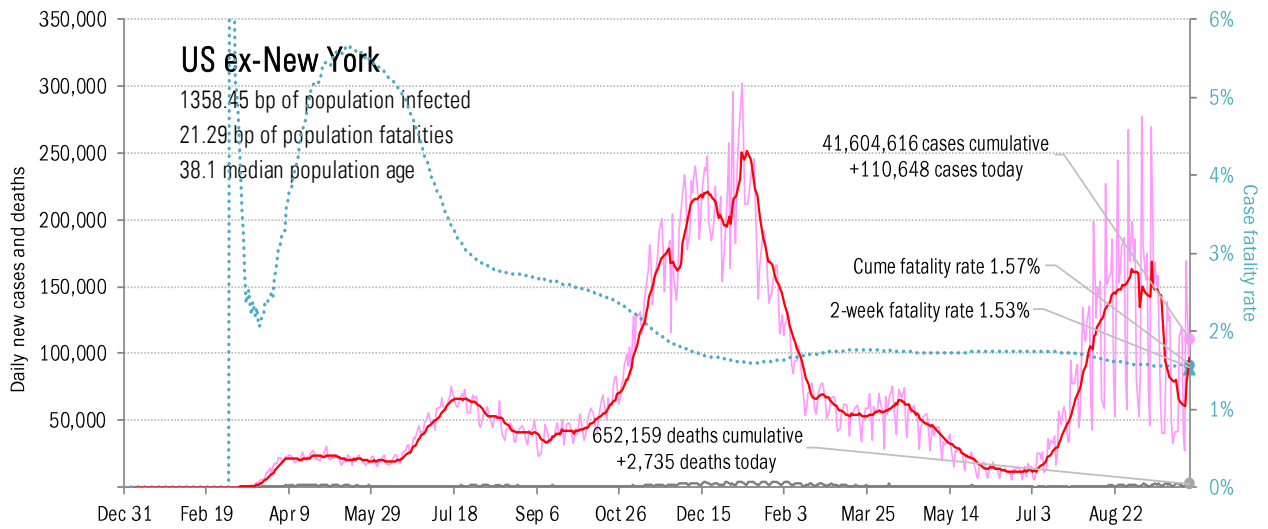
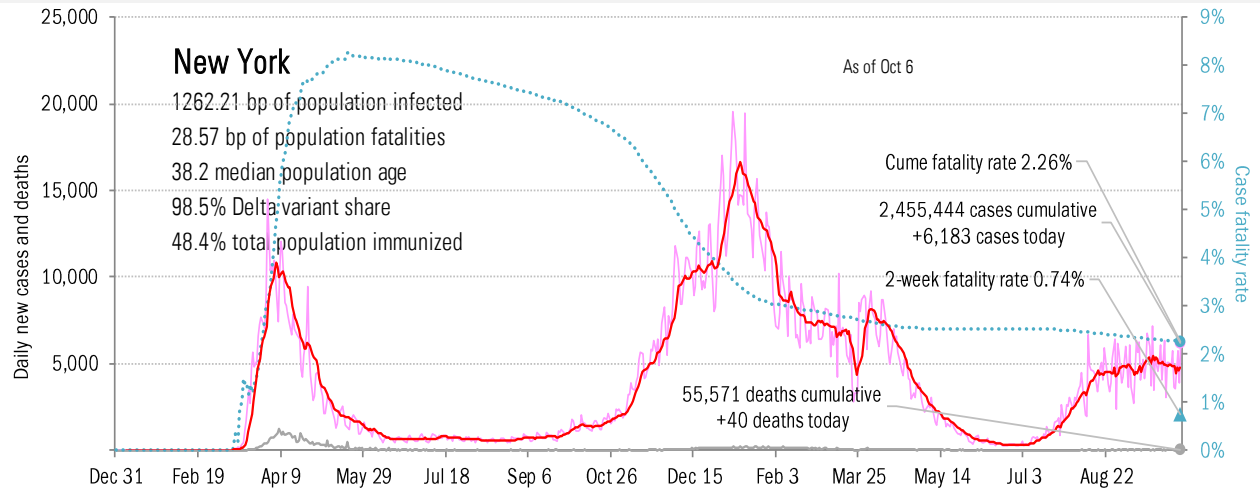
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

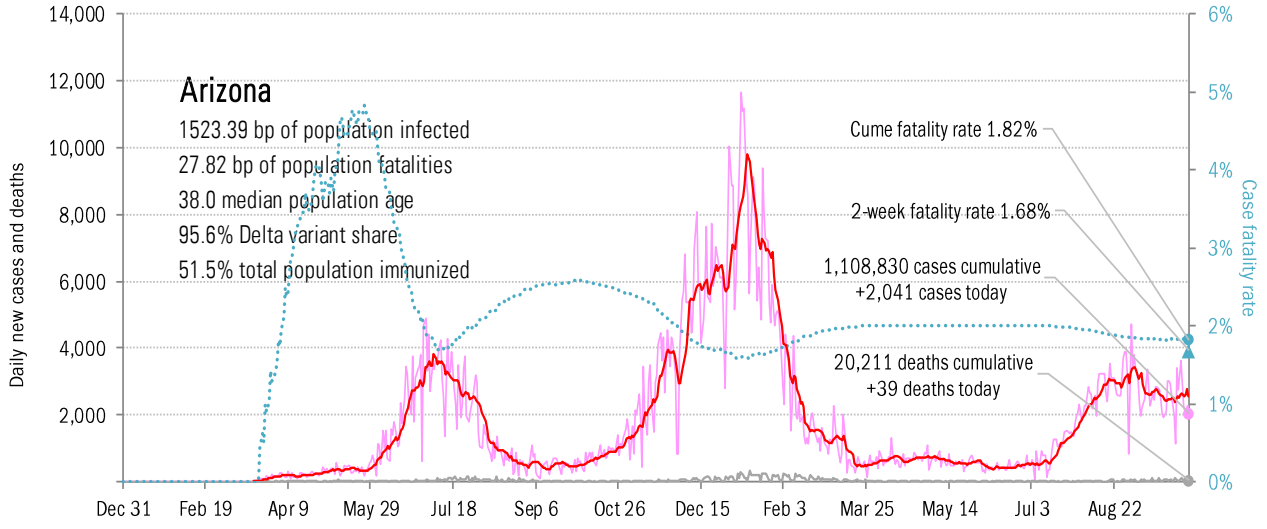
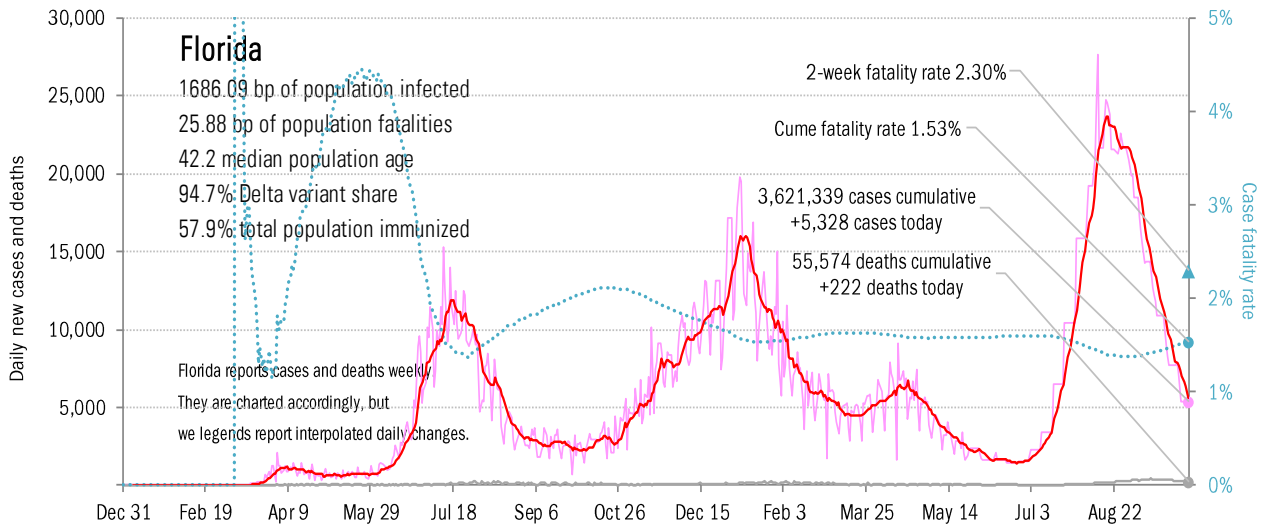
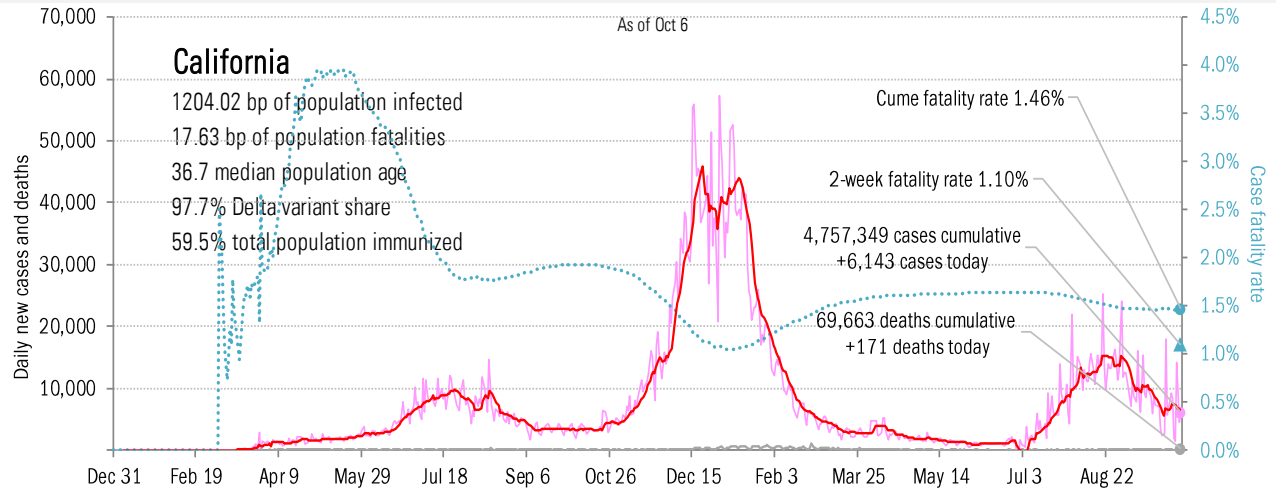
Cases: 7-day average and daily Deaths: Daily



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

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

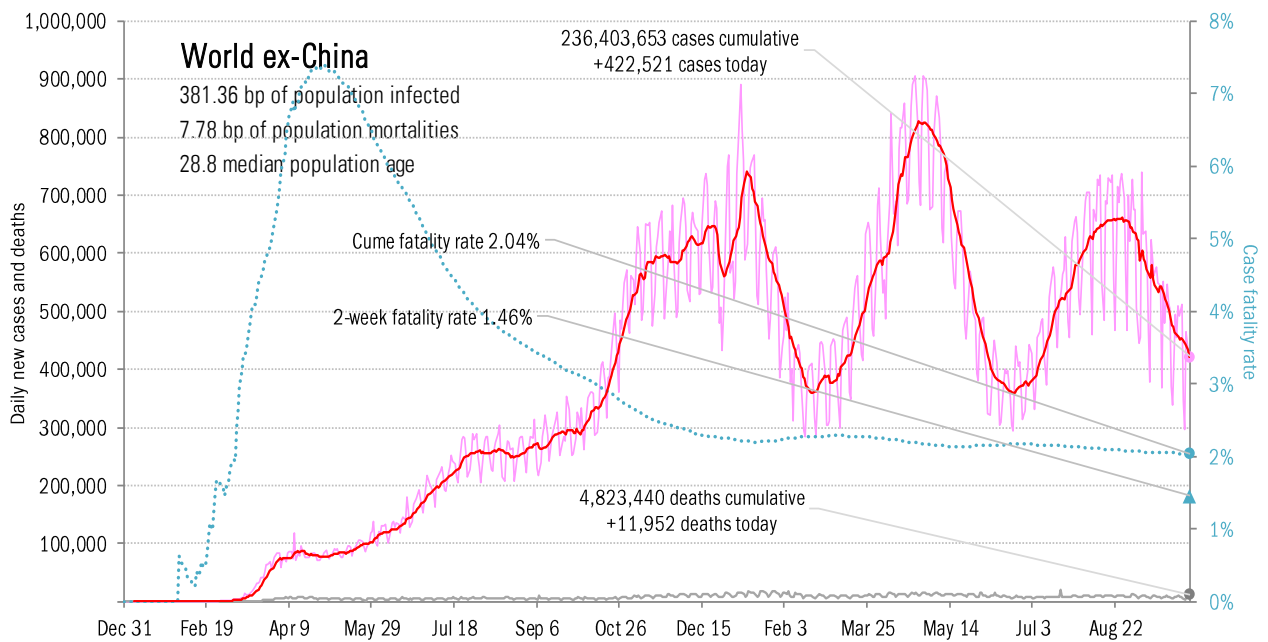
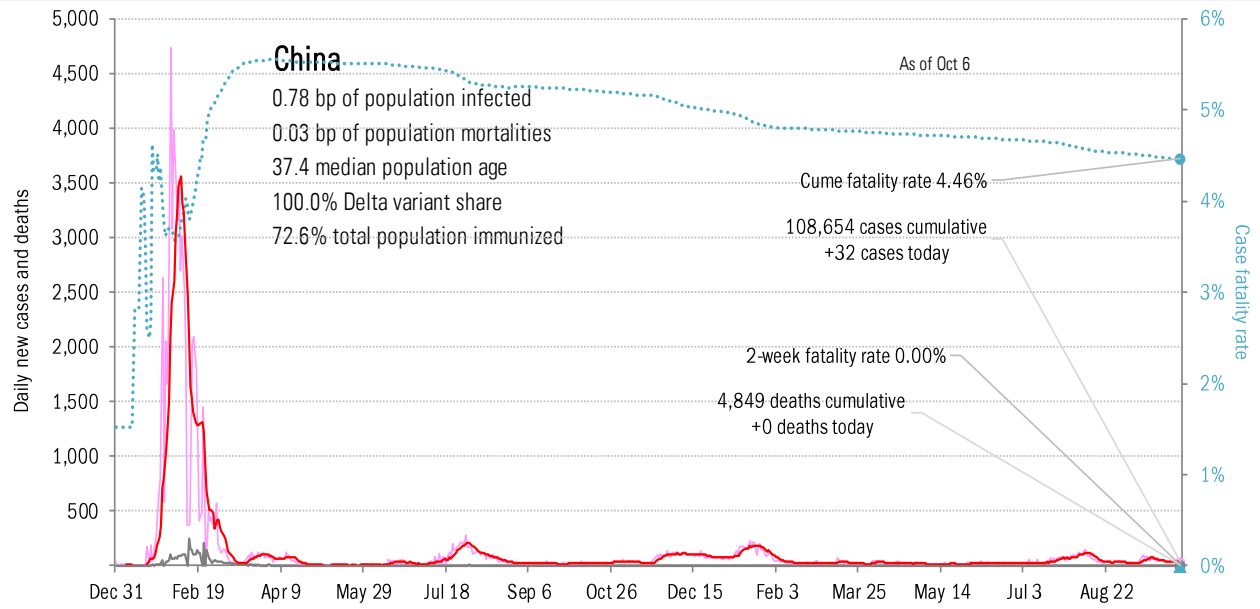
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

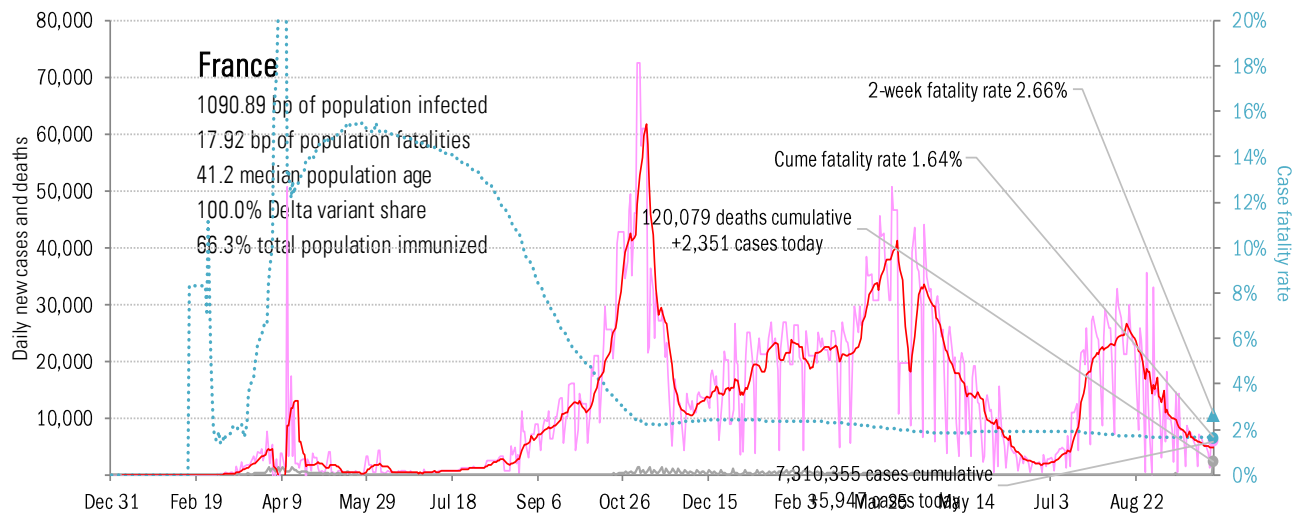
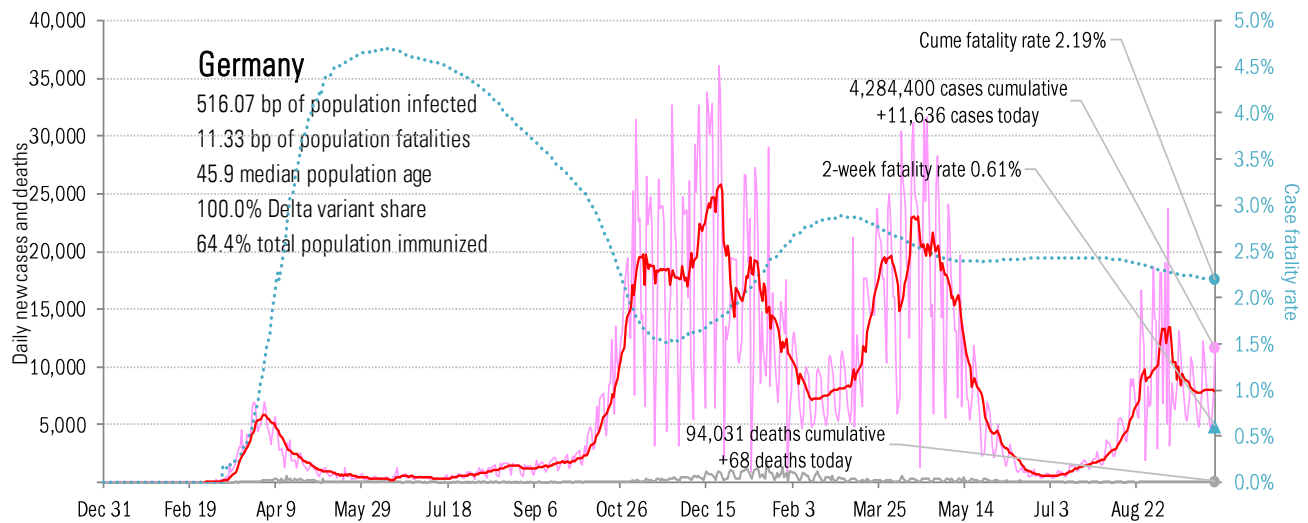
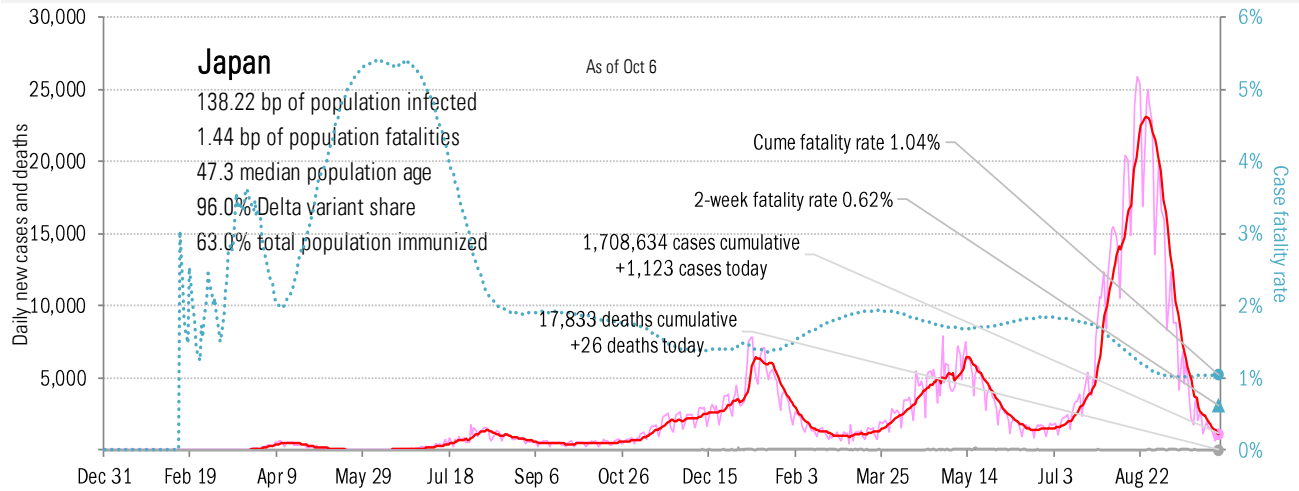
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

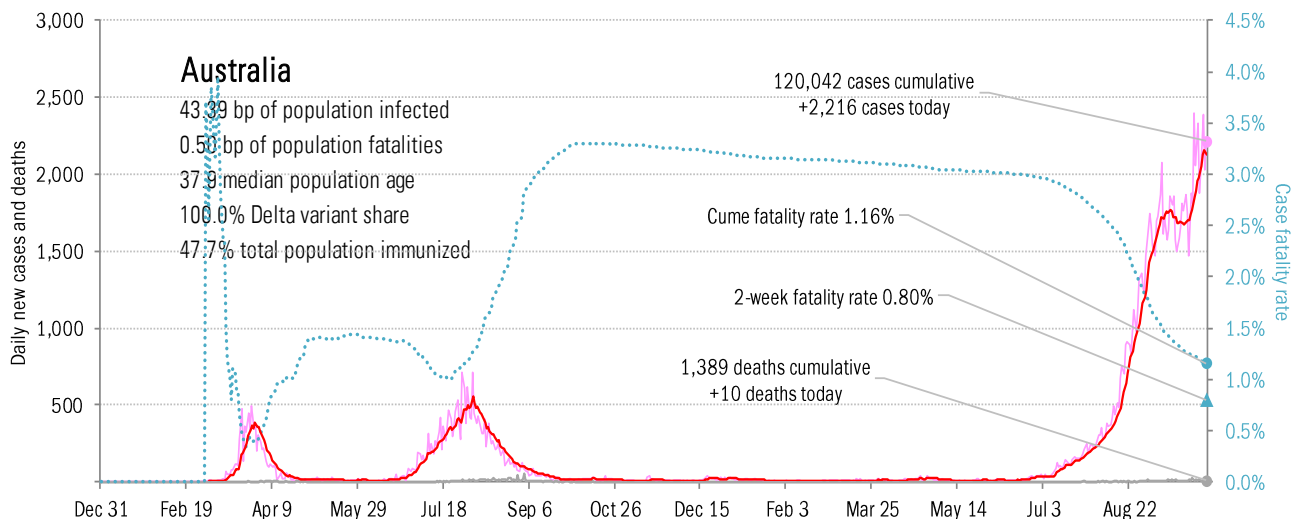
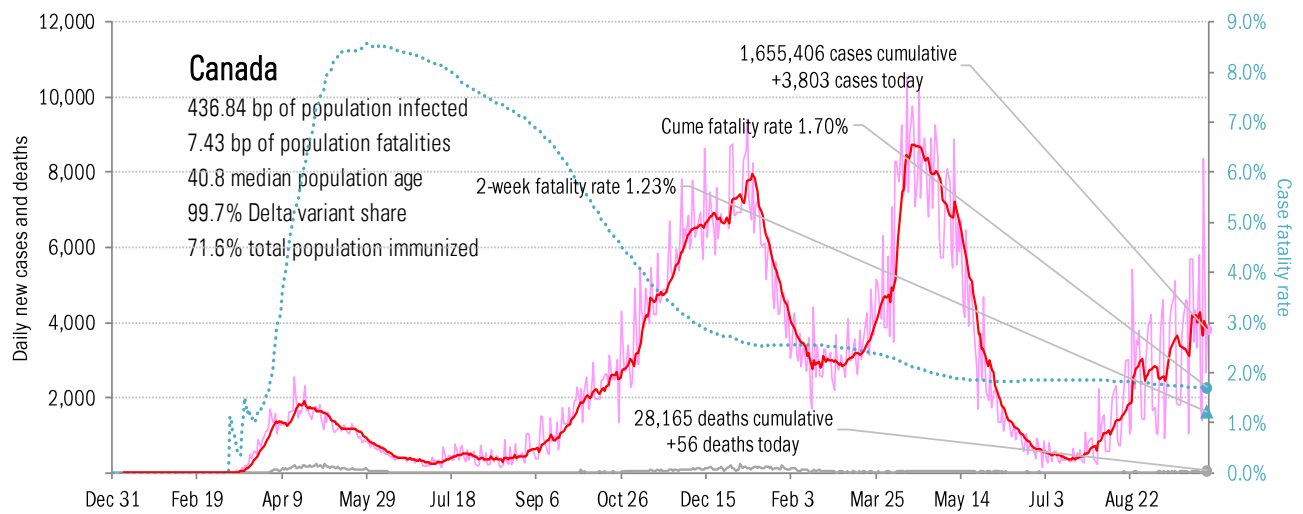
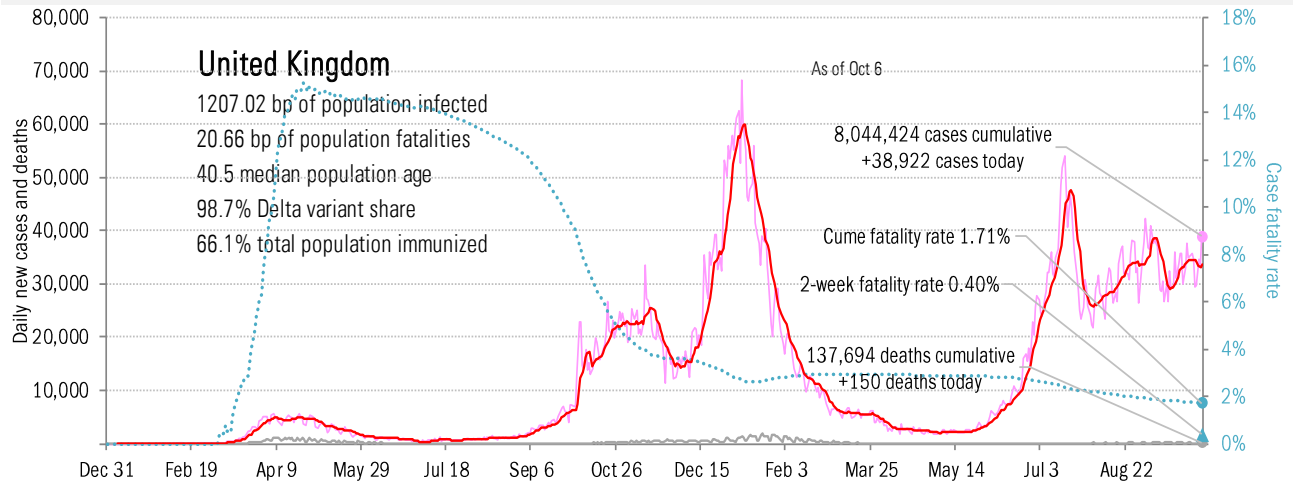
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

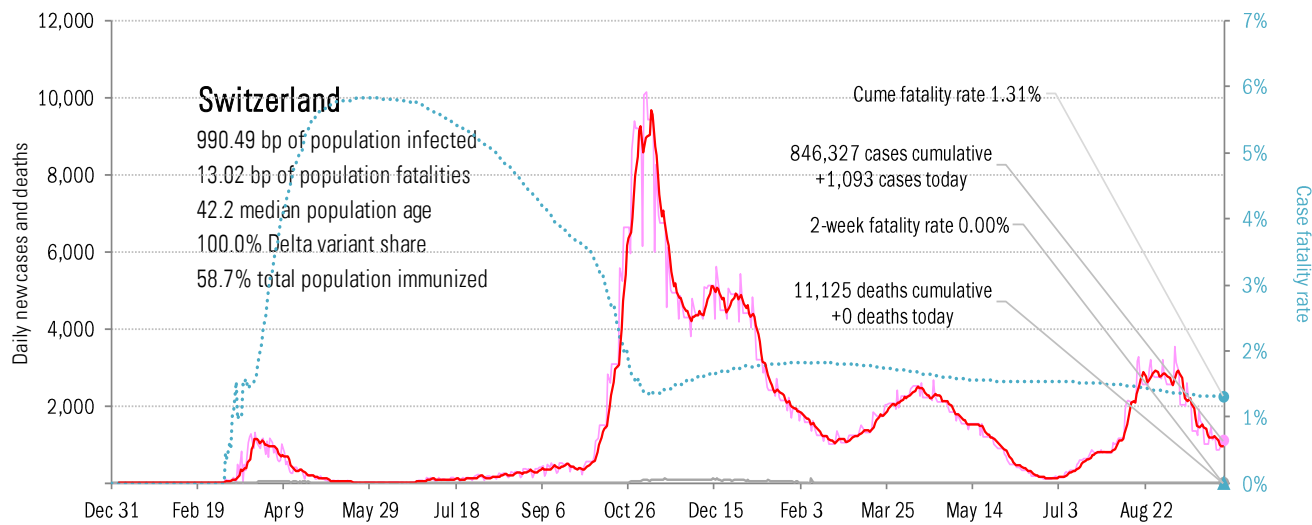
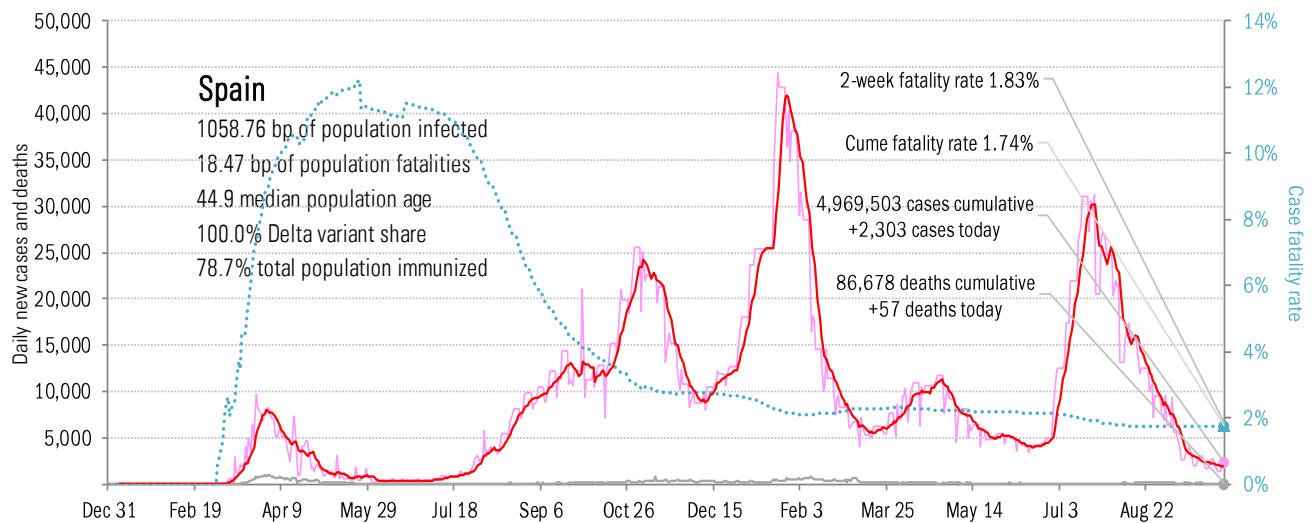
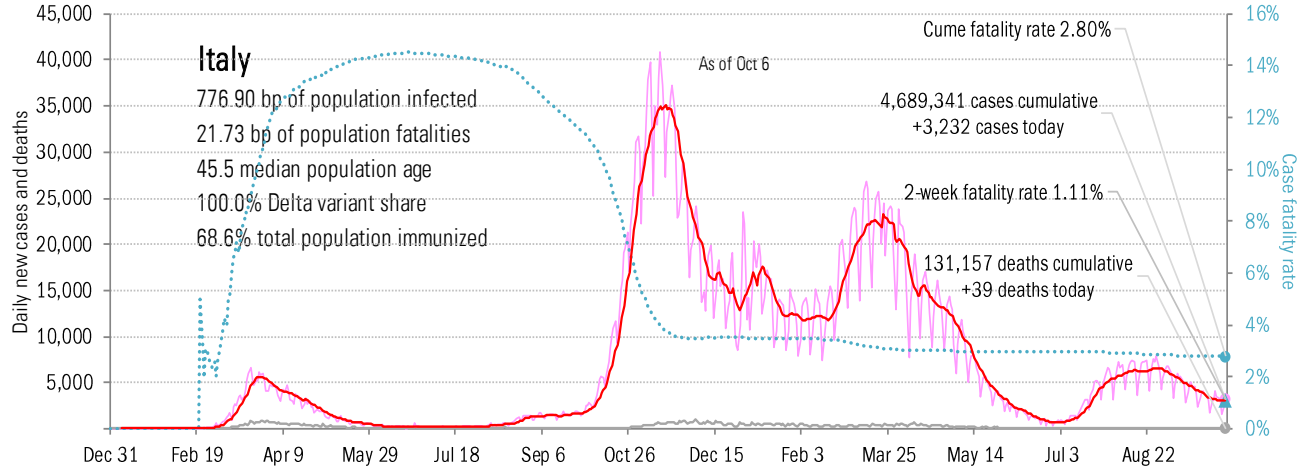
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

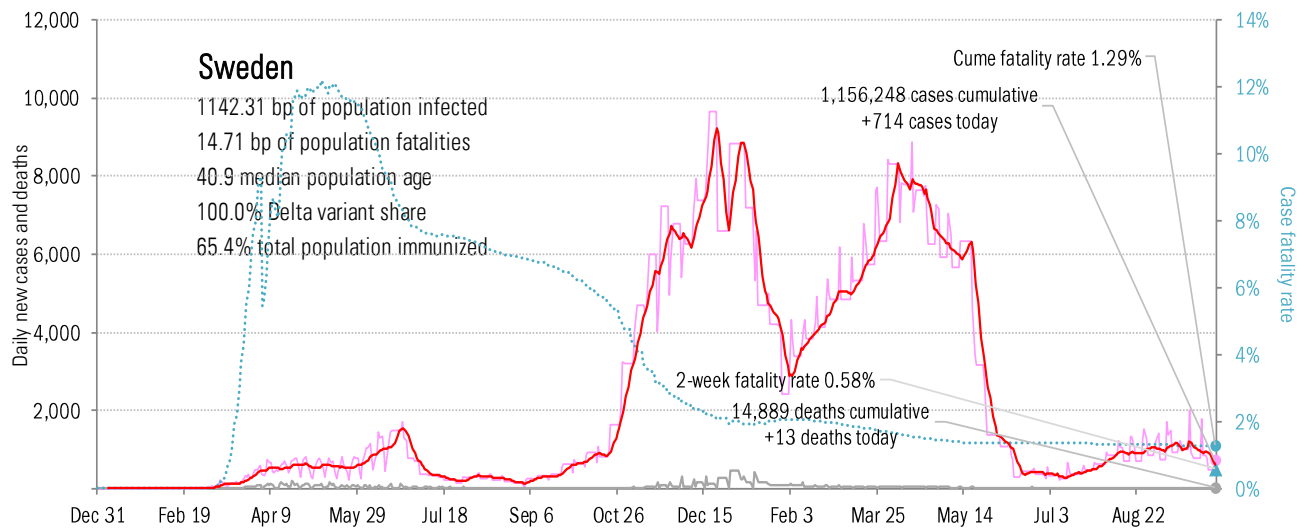
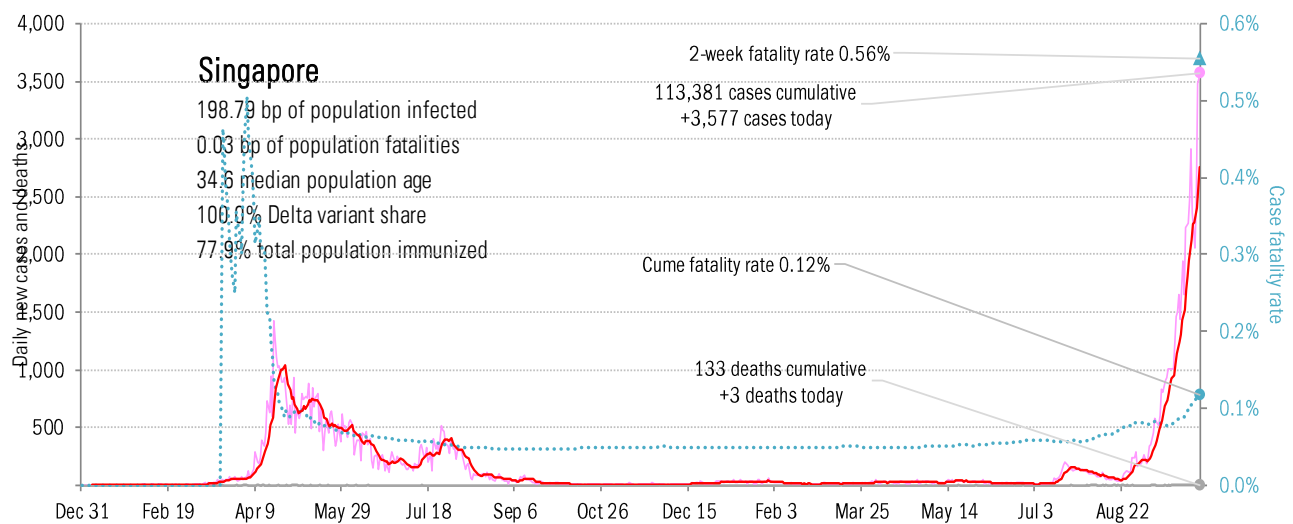
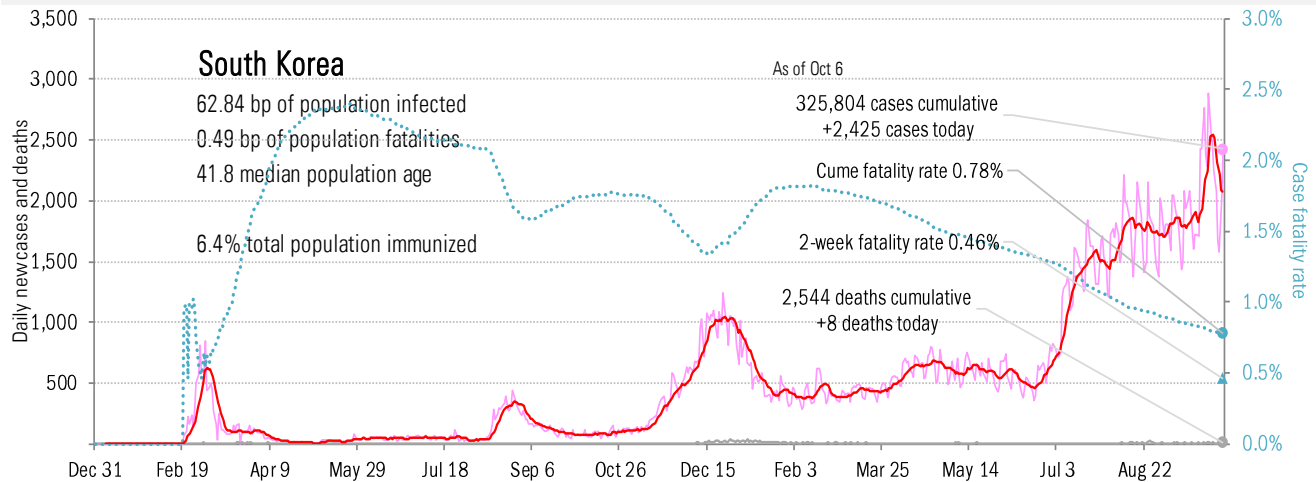
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

Impact in other hot-spots

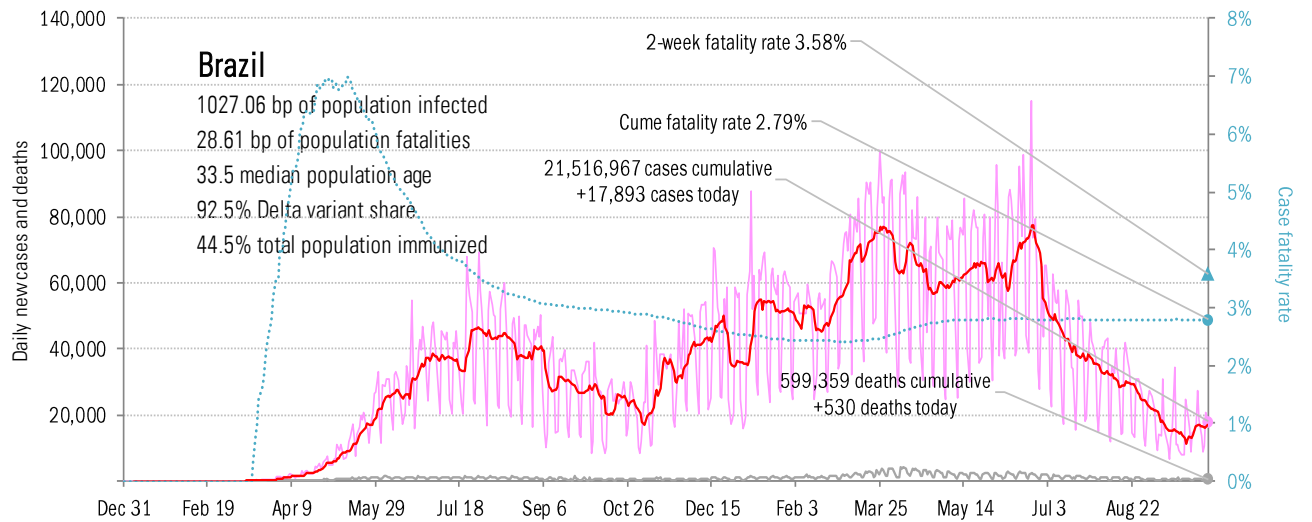
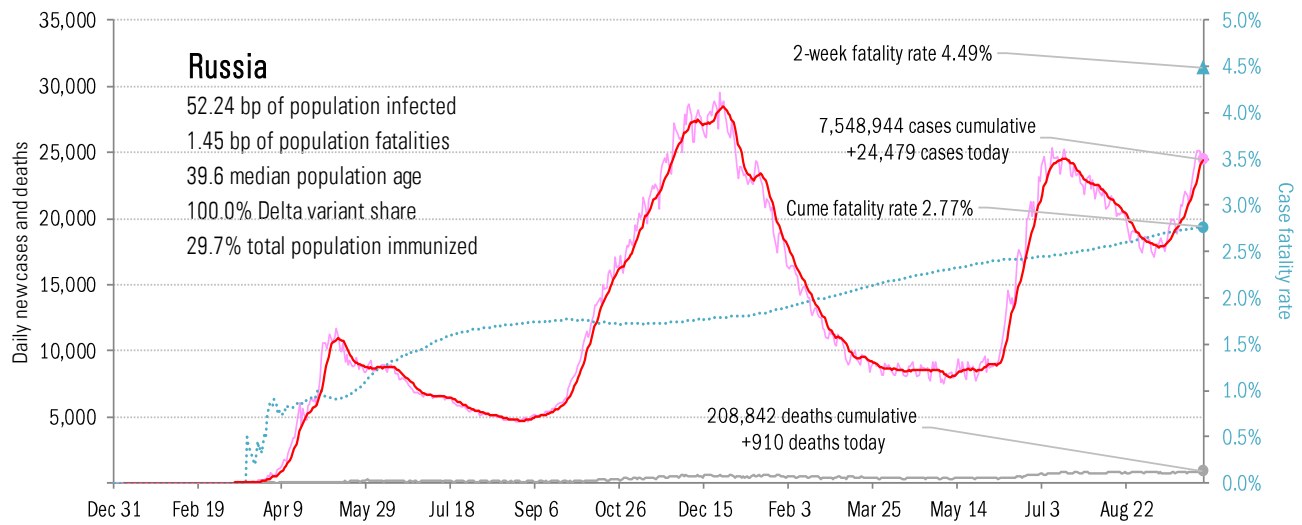
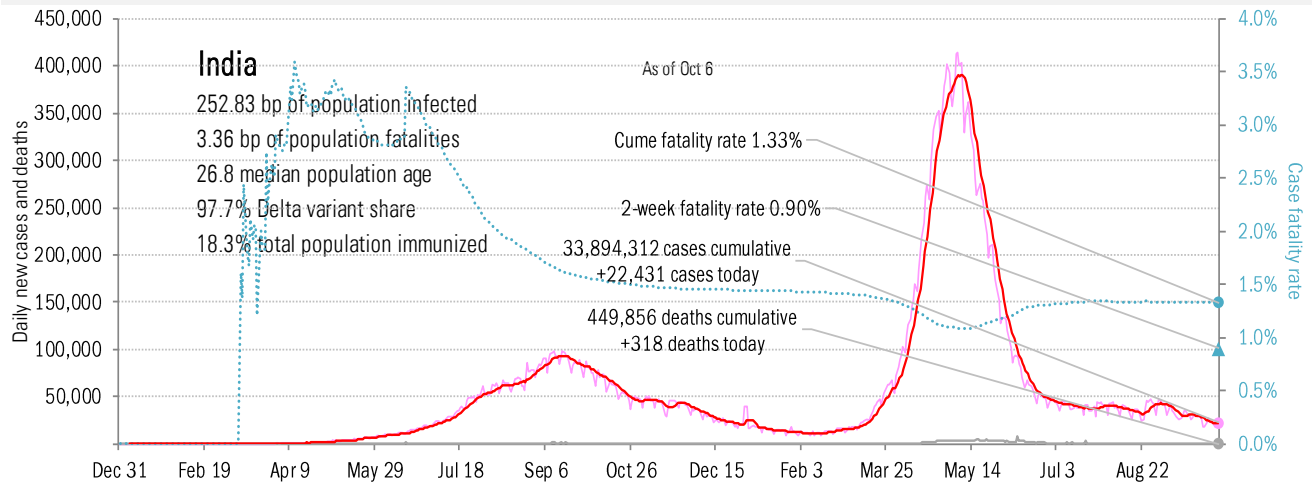
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

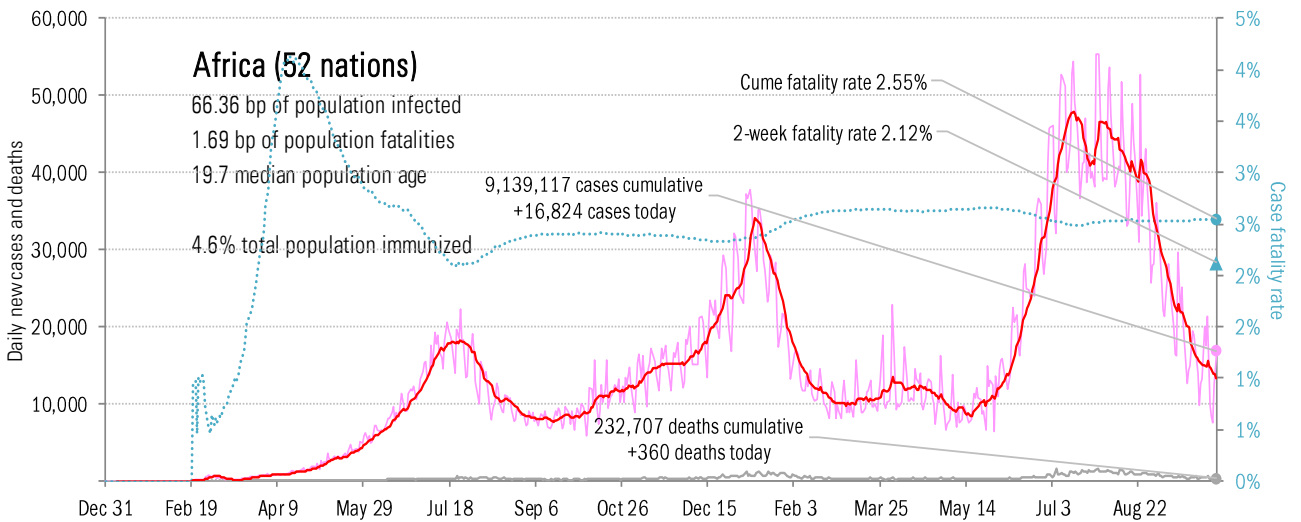
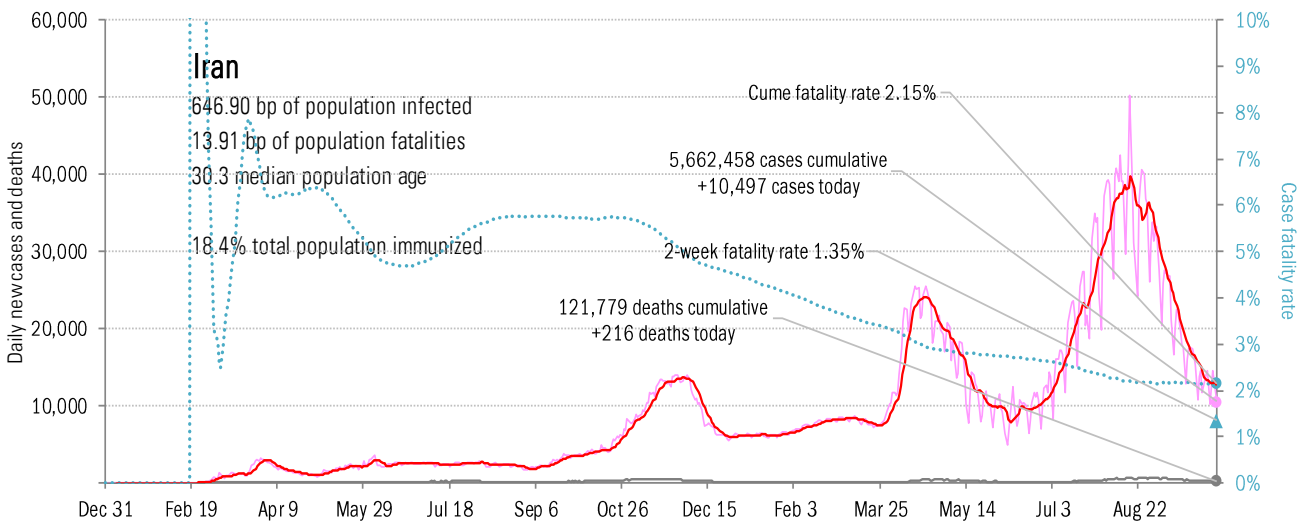
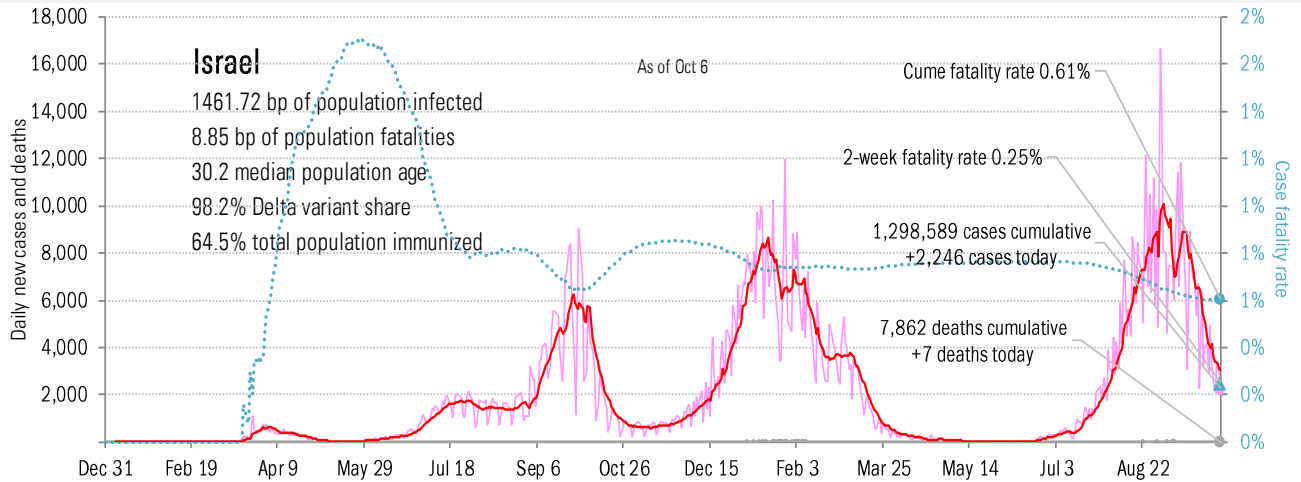
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

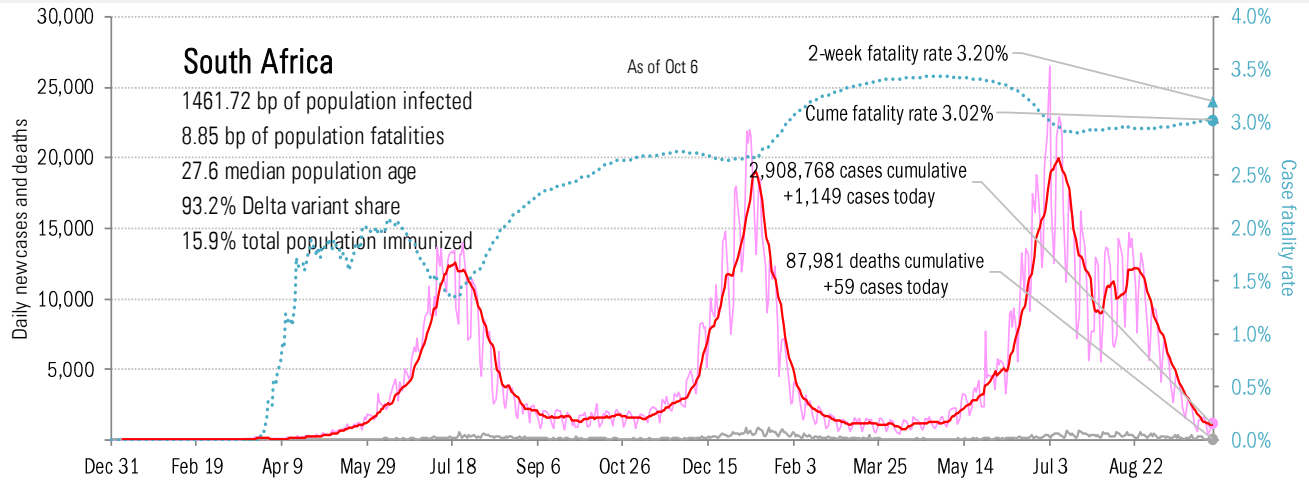
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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