

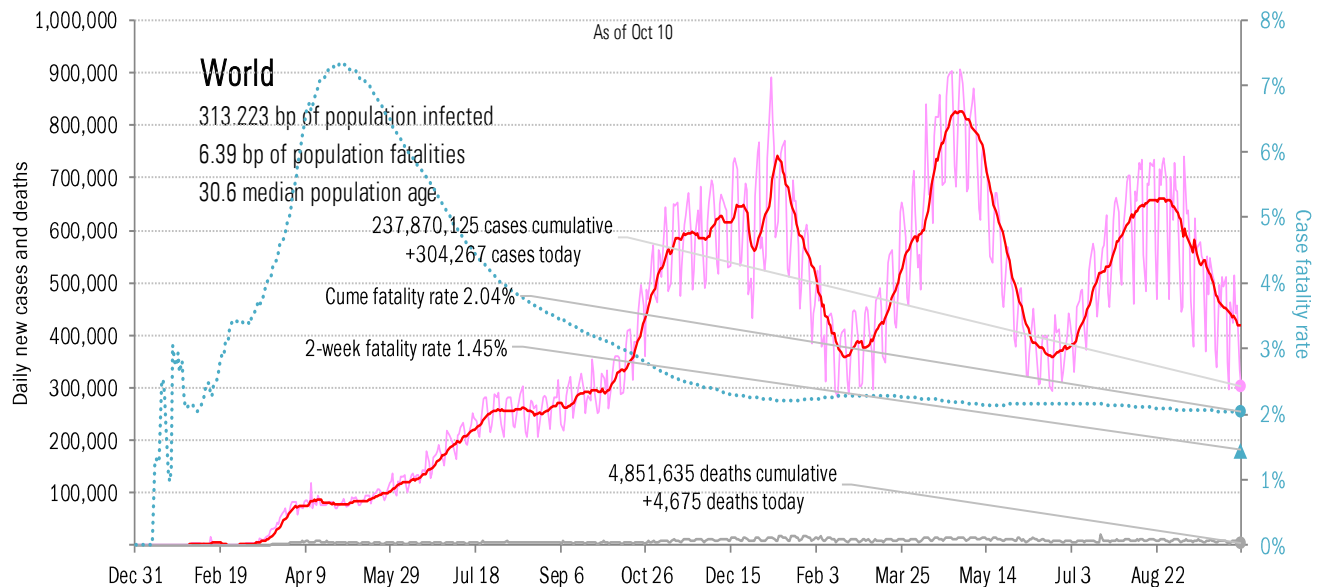
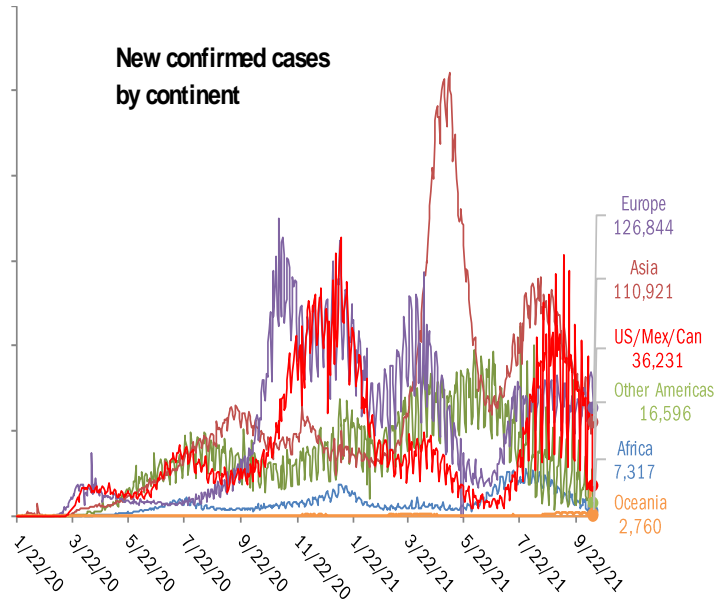
Data Insights: Covid-2019 Monitor

Monday, October 11, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United Kingdom	+ 33,654	Russia	+ 949
Turkey	+ 28,370	Mexico	+ 476
Russia	+ 27,889	United States	+ 450
United States	+ 25,792	Iran	+ 222
India	+ 18,132	Romania	+ 211
Philippines	+ 12,112	Turkey	+ 196
Ukraine	+ 12,102	India	+ 193
Iran	+ 11,256	Brazil	+ 182
Thailand	+ 10,817	Ukraine	+ 175
Romania	+ 10,400	Philippines	+ 119
+ 190,524		+ 3,173	
World + 304,267		World + 4,675	
Top ten 63%		Top ten 68%	



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

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

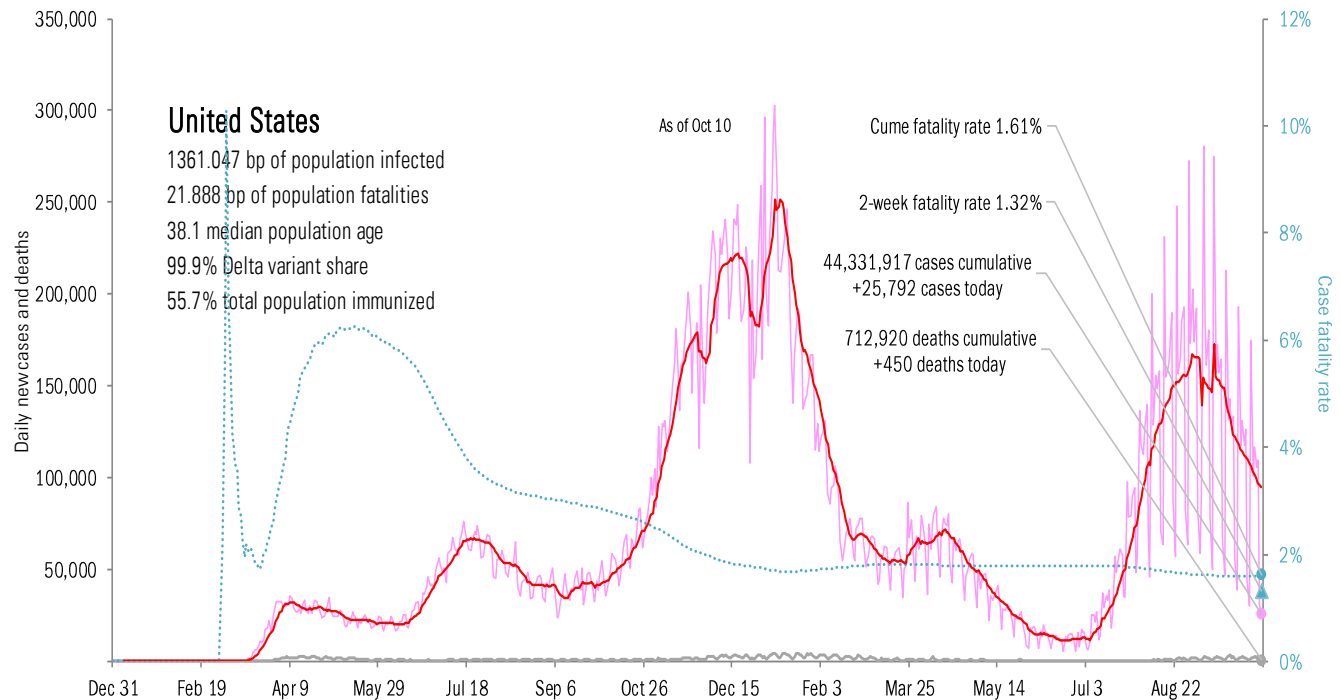
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CH	+5,399		FL	+195		GA	+52		CA	4,774,445		CA	69,994		TX	365,291		RI	86%	NM	93%
PA	+3,599		AR	+167		MN	+48		TX	4,129,695		TX	66,988		FL	312,416		MD	85%	TX	90%
FL	+3,598		AZ	+32		PA	+45		FL	3,637,460		FL	56,360		CA	301,230		MA	85%	OK	88%
NY	+2,207		NY	+25		MI	+35		NY	2,472,757		NY	55,698		NY	158,394		PA	83%	MT	88%
AZ	+2,182		MD	+10		CO	+33		IL	1,650,108		PA	29,907		GA	155,207		MN	82%	AR	87%
NJ	+1,433		NJ	+7		OH	+31		GA	1,602,667		IL	27,657		CH	116,014		GA	81%	KY	87%
MD	+1,333		CA	+4		NC	+30		PA	1,478,421		NJ	27,597		PA	109,797		MO	81%	AL	87%
CA	+1,161		HI	+4		MT	+26		CH	1,467,331		GA	27,142		KY	108,443		CT	81%	ID	87%
WV	+1,071		FR	+2		CA	+22		NC	1,425,062		CH	22,819		IL	101,700		WA	80%	RI	86%
MO	+773		TX	+2		UT	+21		TN	1,249,333		MI	22,702		MI	85,885		NY	80%	GA	86%
+22,756			+448			+343			23,887,279			406,864			1,814,377						
All states	+25,792			+450			+526		All states	44,331,917			712,920			3,229,813		All states	70%		67%
Top ten	88%			100%			65%		Top ten	54%			57%			56%		Median	76%		79%

Some states not reporting

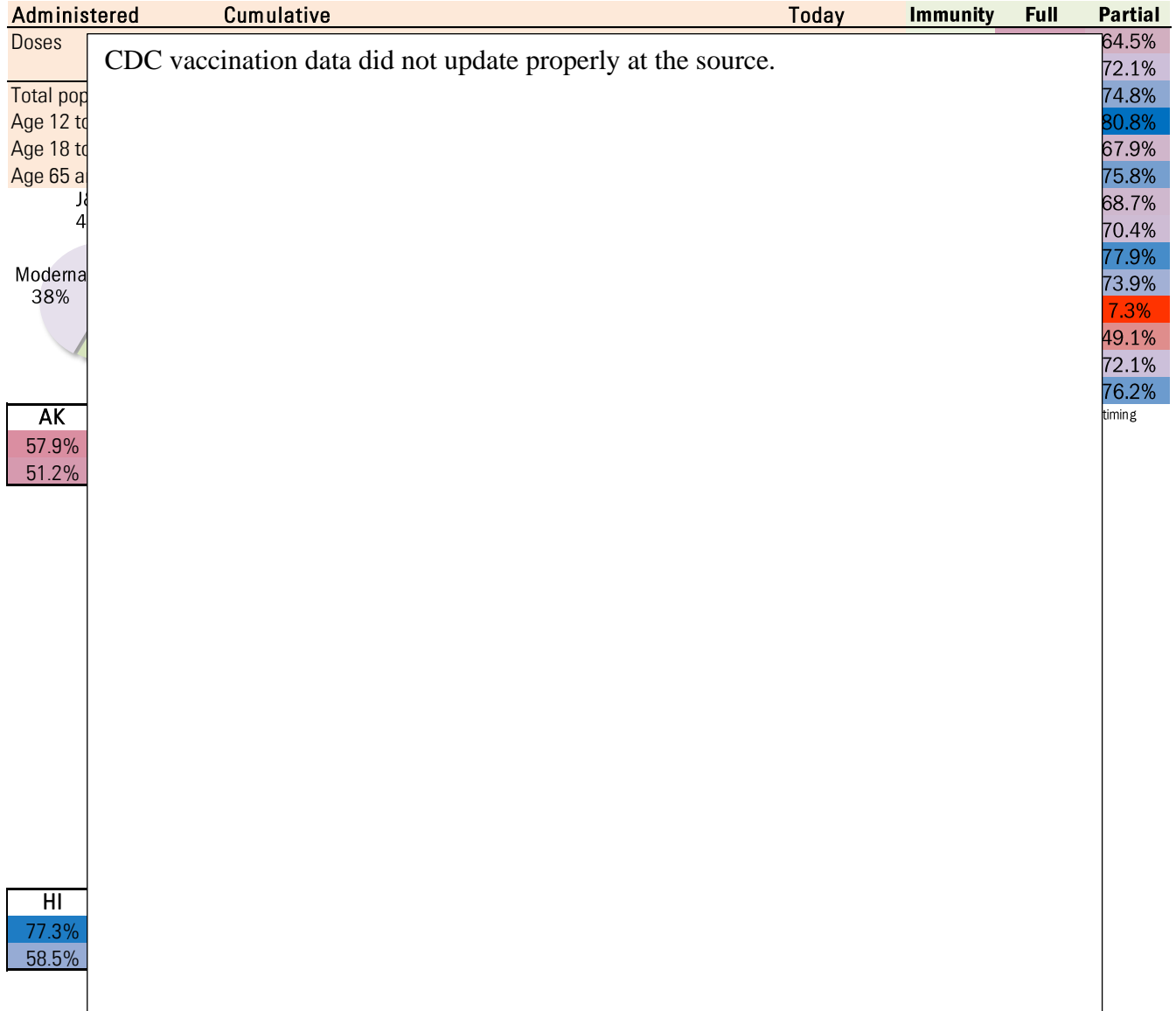
Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-1,563	AL	-100	KY	-22	GA	+30 bp
PA	-1,376	CA	-20	CT	-11	UT	+20 bp
ME	-607	NJ	-13	MS	-5	MI	+20 bp
ID	-584	MD	-10	AK	-4	RI	+20 bp
TX	-564	ND	-7	NM	-3	WV	+10 bp

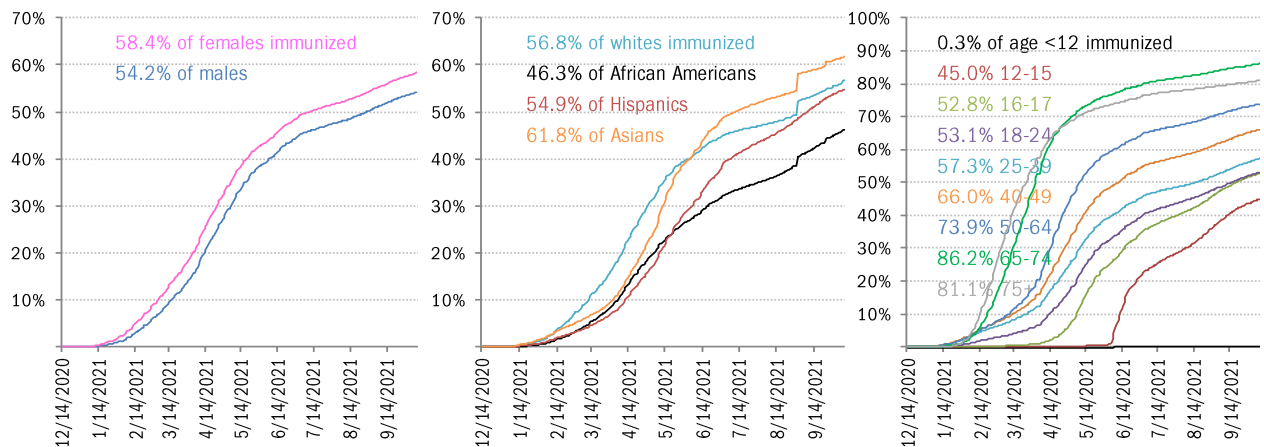


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world



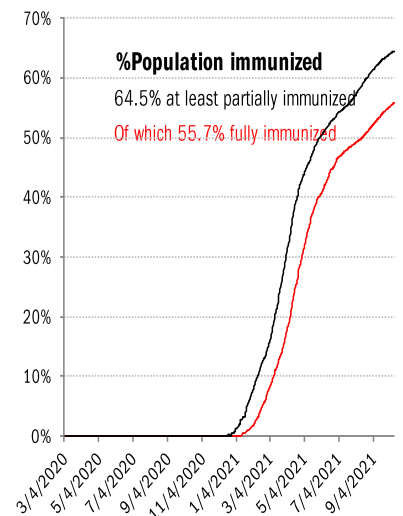
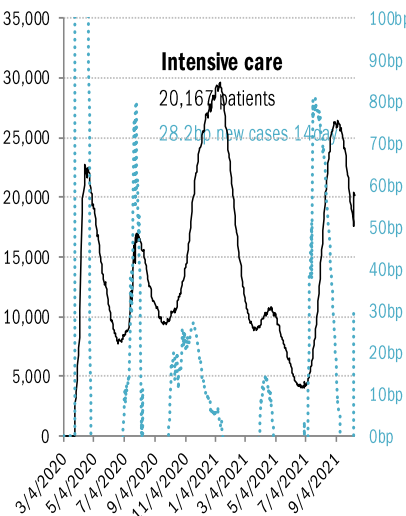
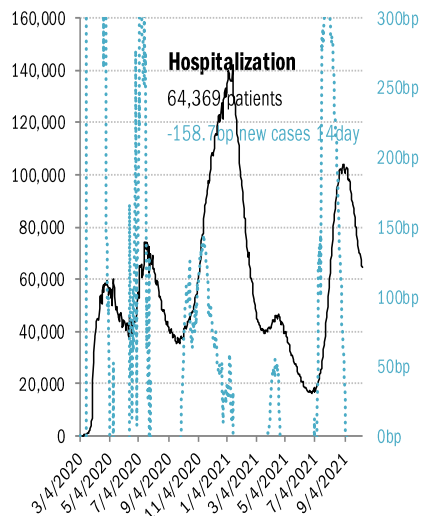
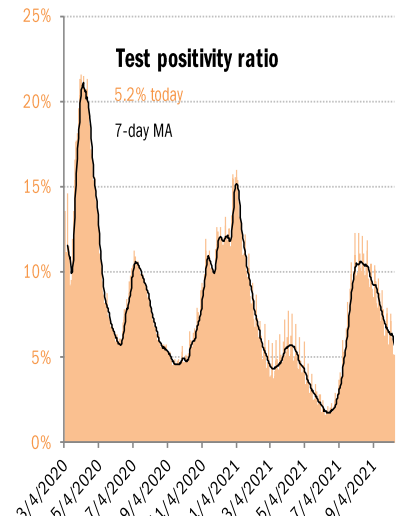
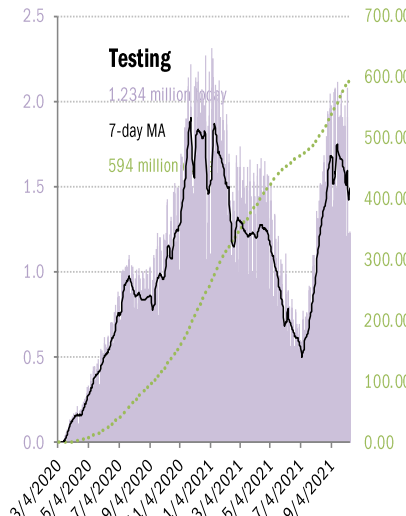
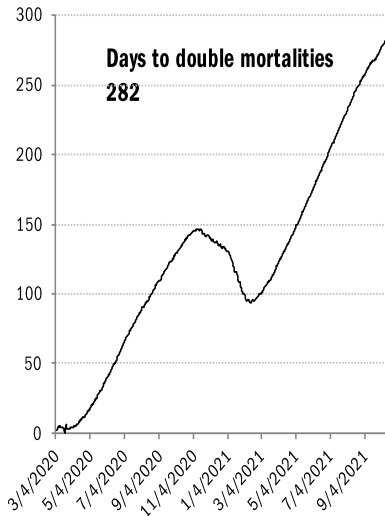
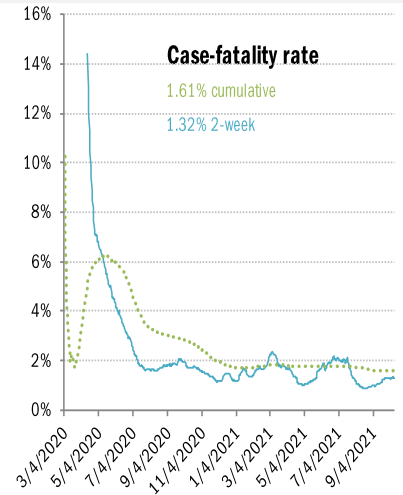
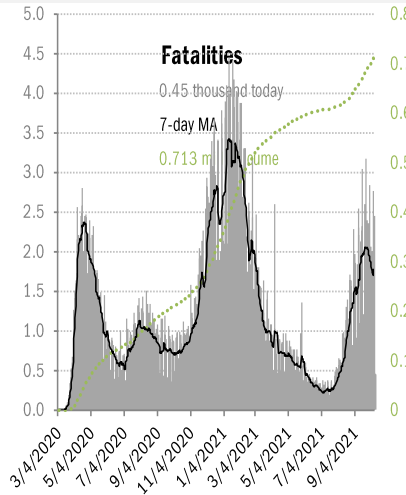
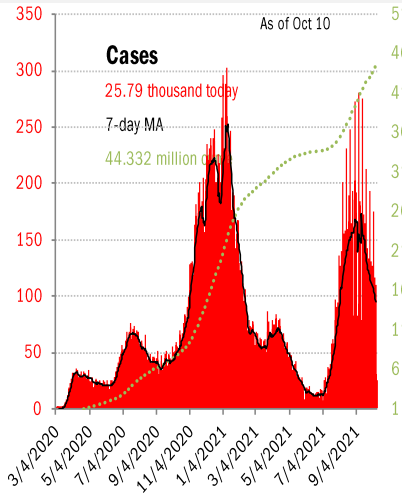
The demographics of US vaccination



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

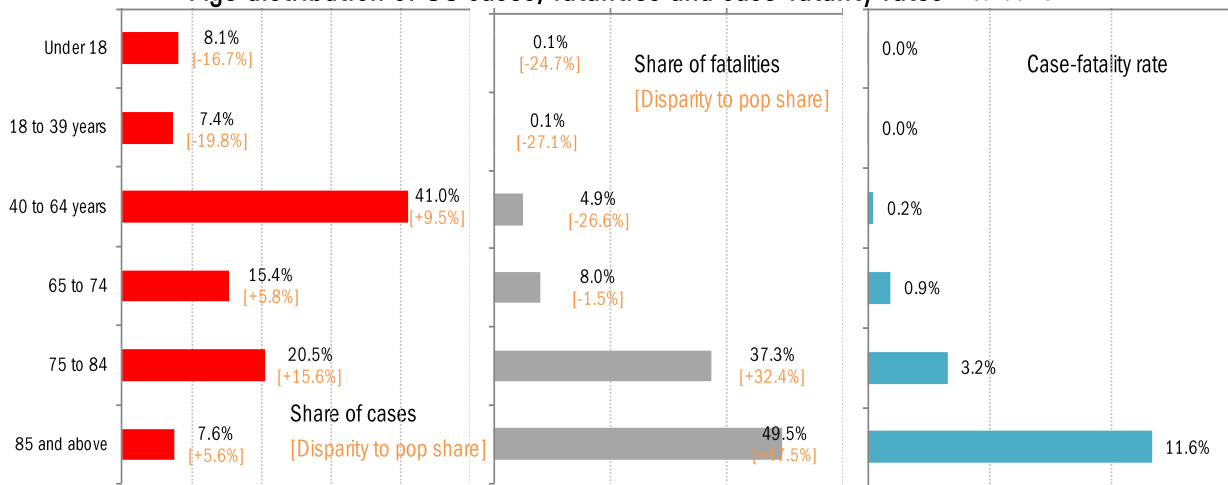
US deep-dive

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

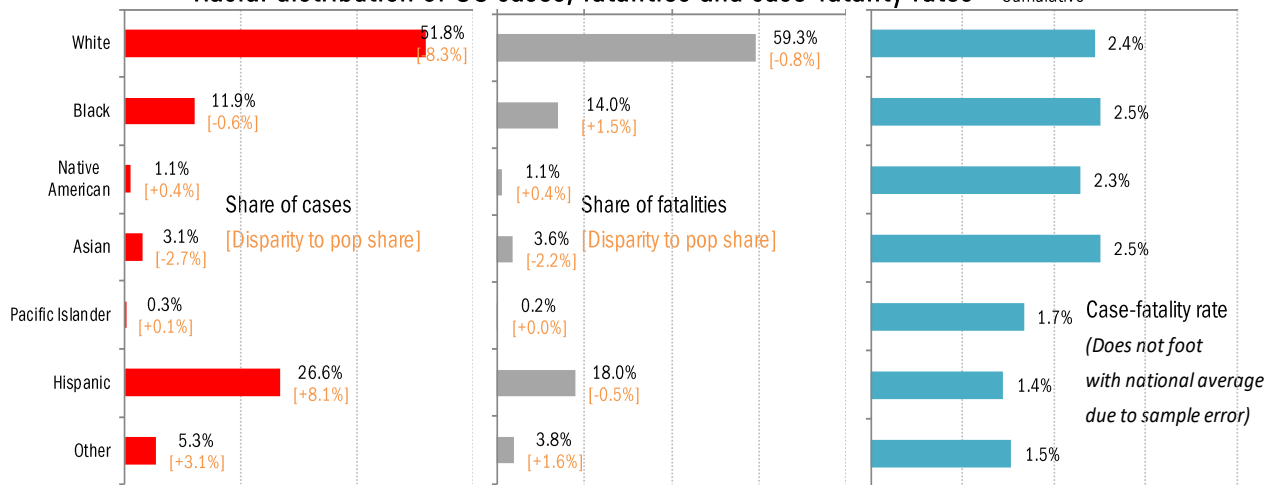


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

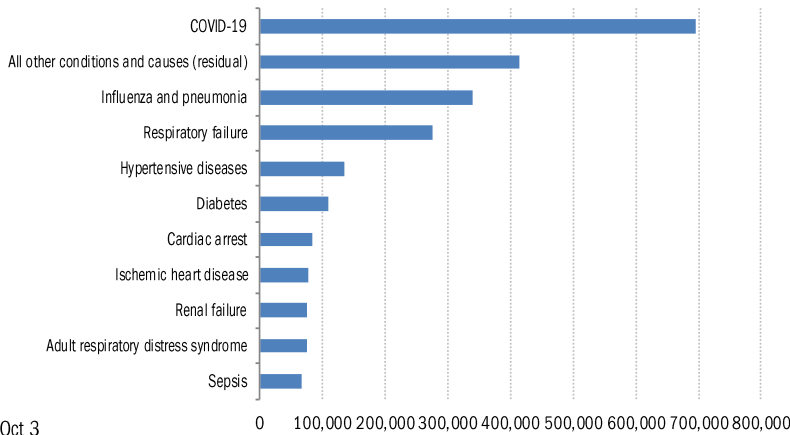


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Oct 3

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

[Who Slowed Merck's Covid Remedy?](#)

Allysia Finley
Wall Street Journal
October 10, 2021

[At Sea in the Age of Covid Anxiety](#)

Katrina Gulliver
Wall Street Journal
October 10, 2021

Meme of the day

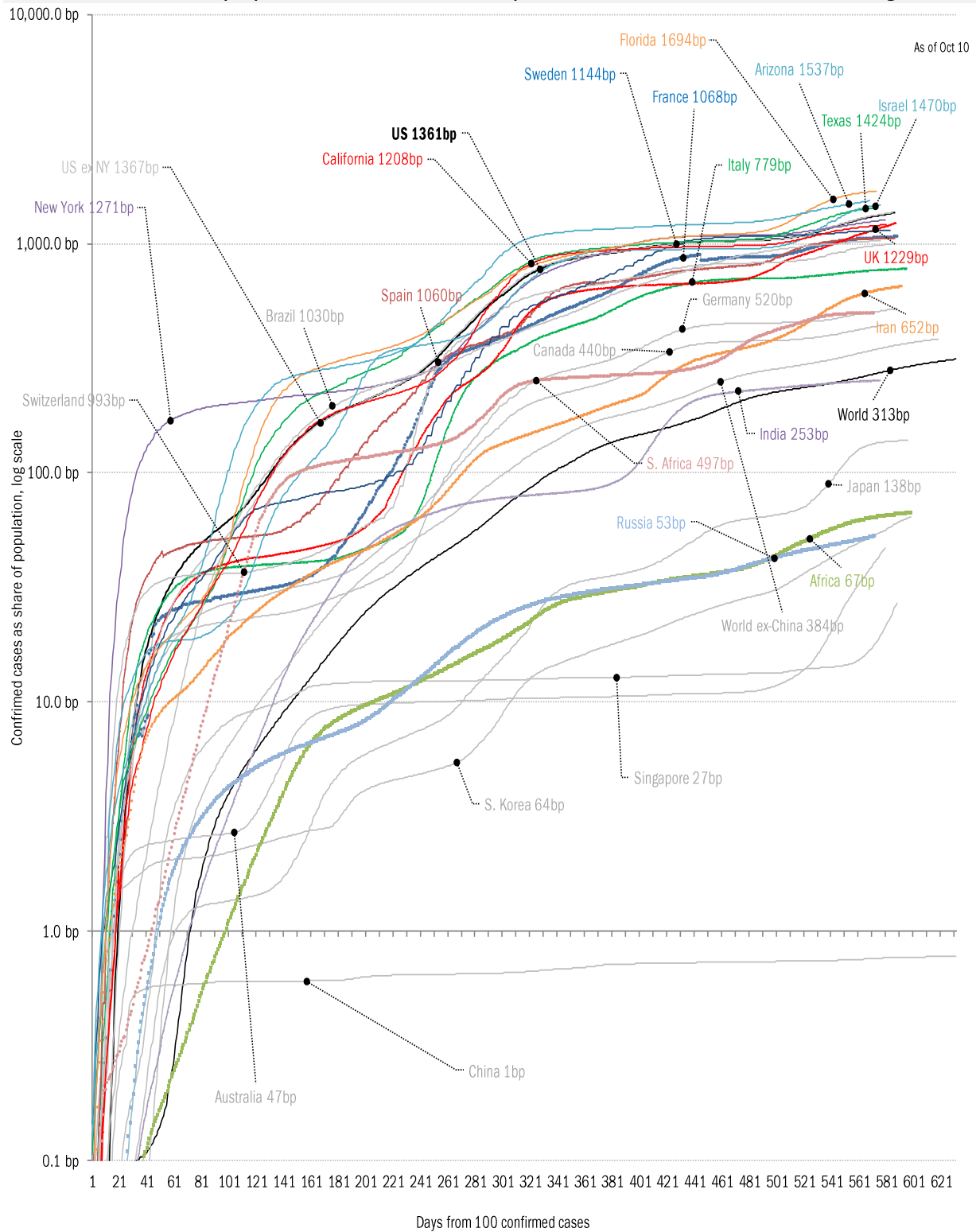
Americans: “I’m not getting the COVID vaccine, I don’t trust what they put in it!”



Also Americans: “Woohoo! The McRib is back!”

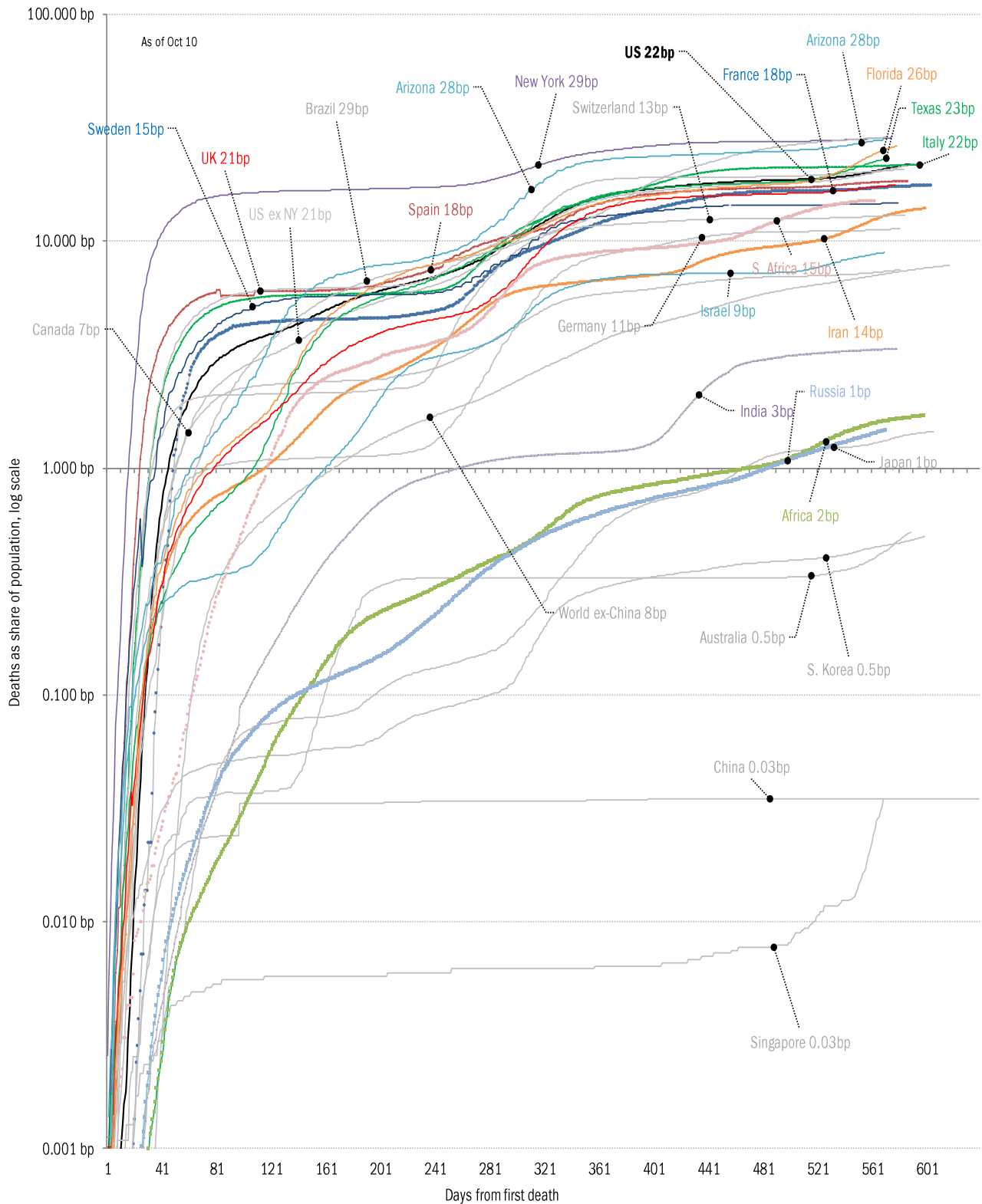
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

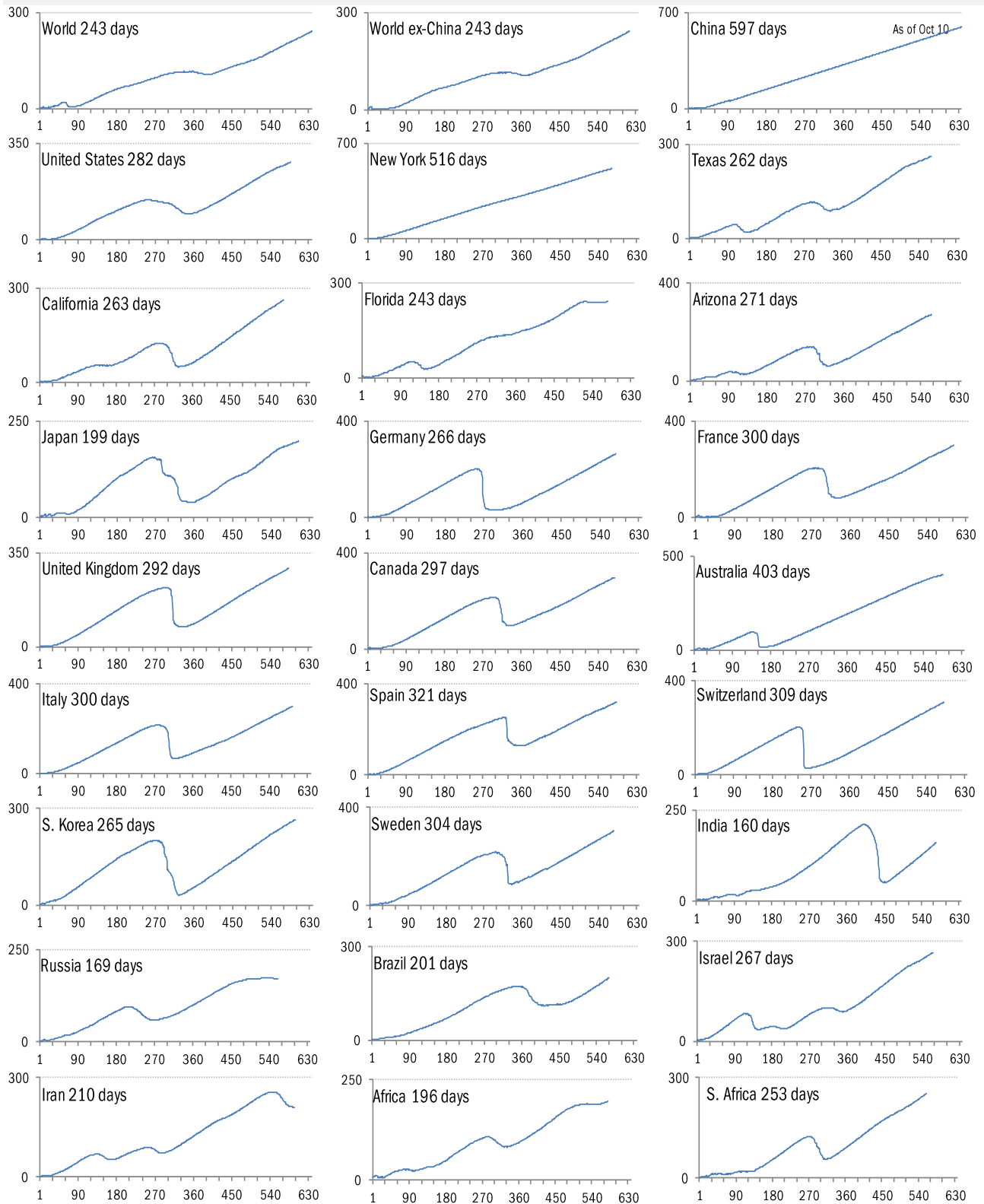


Source: [Johns Hopkins](#), TrendMacro calculations

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

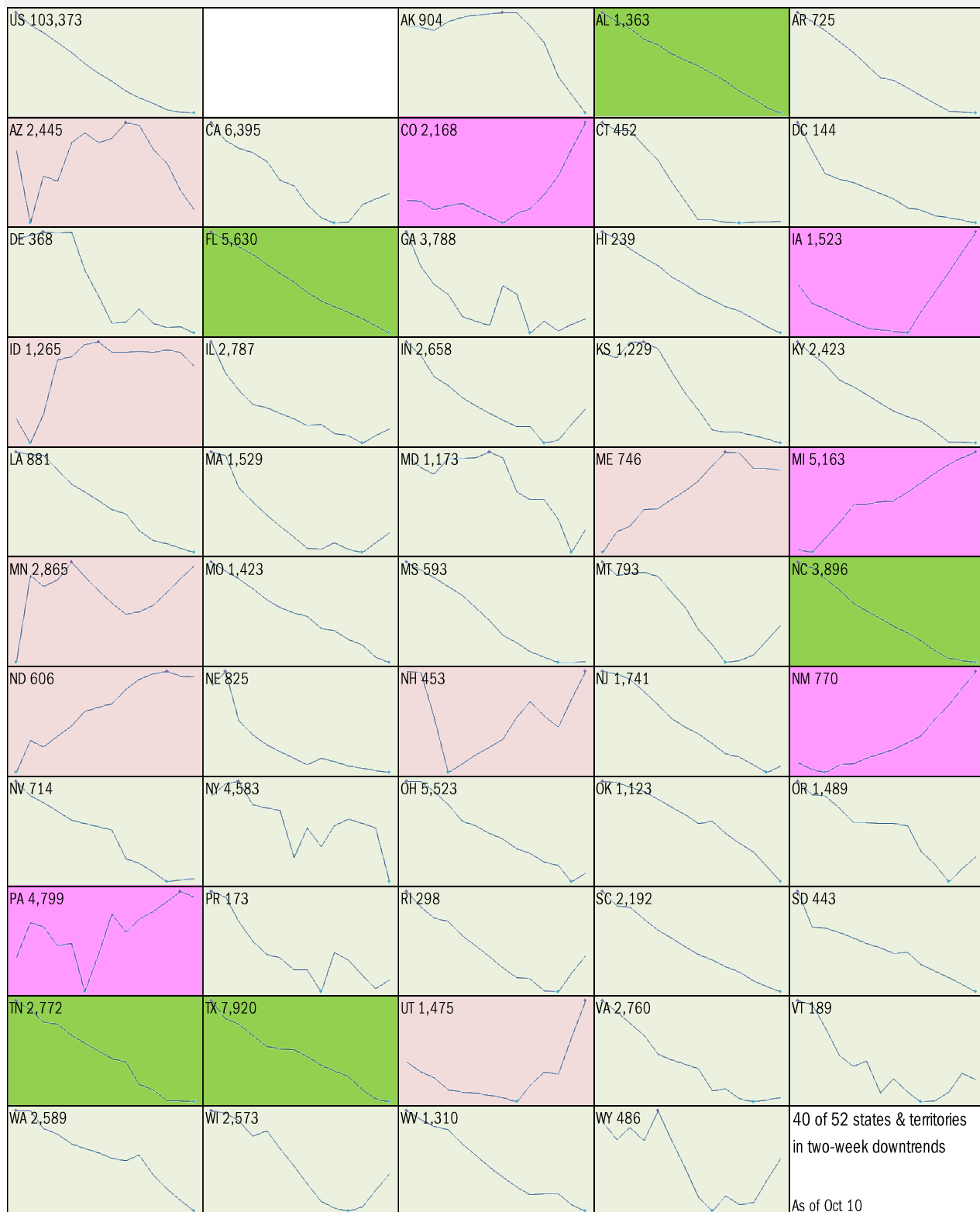
Vertical: days to double deaths Horizontal: days from first death

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



As of Oct 10

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

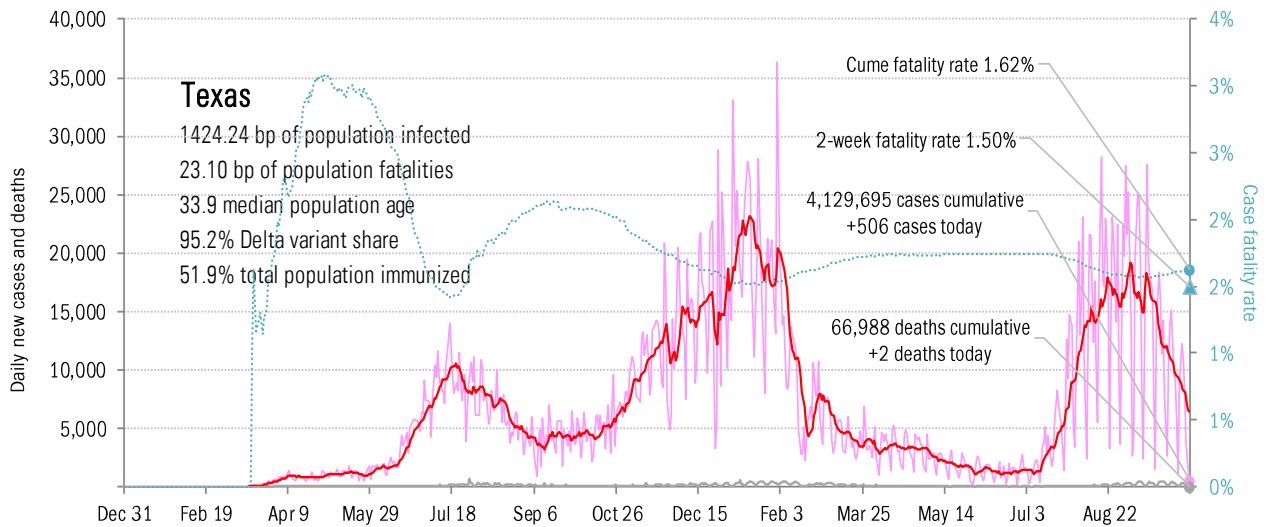
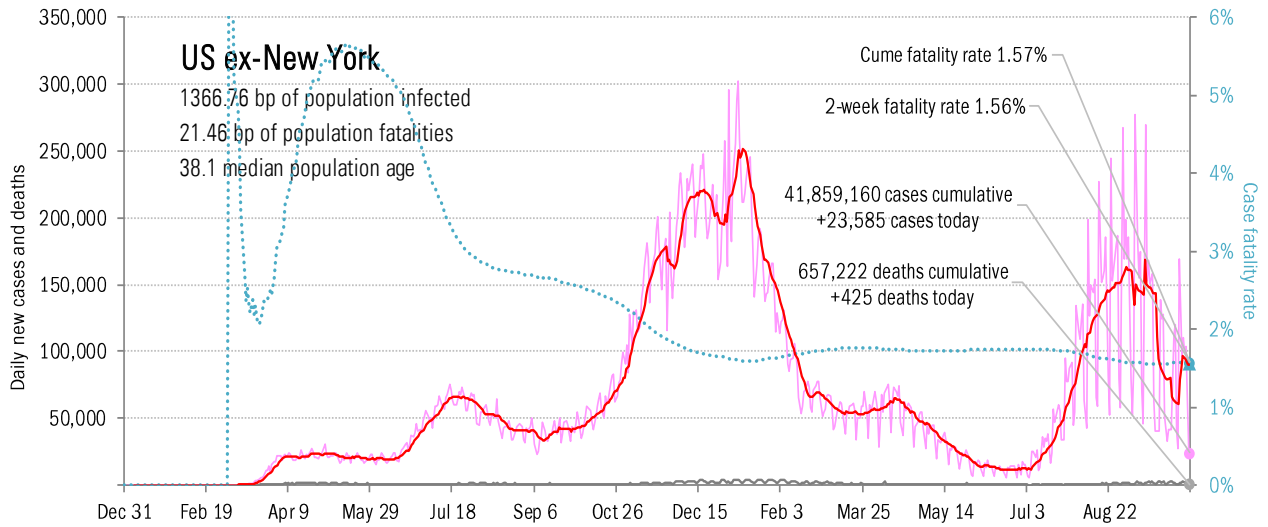
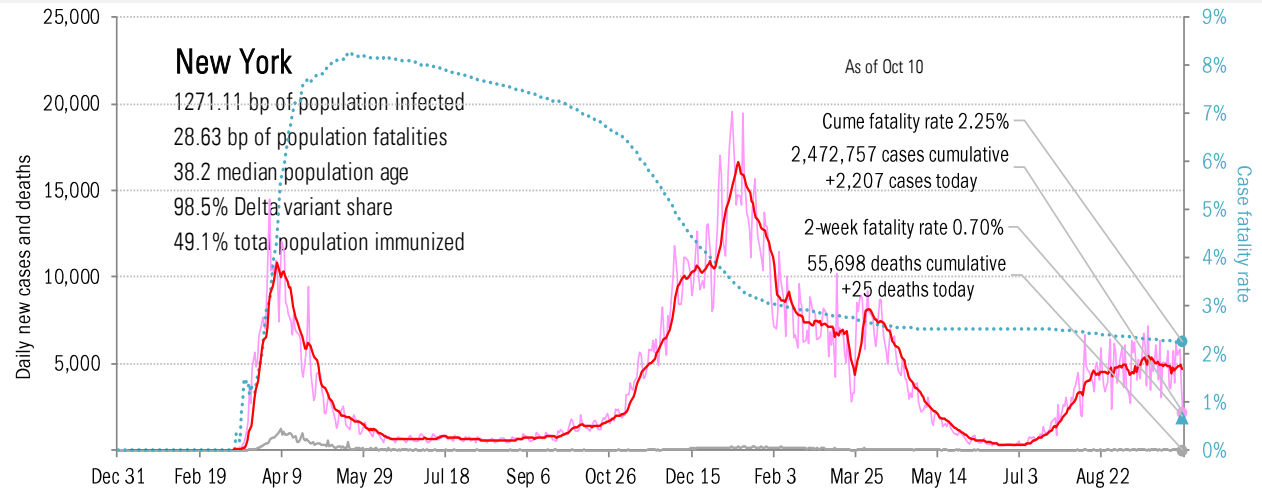
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

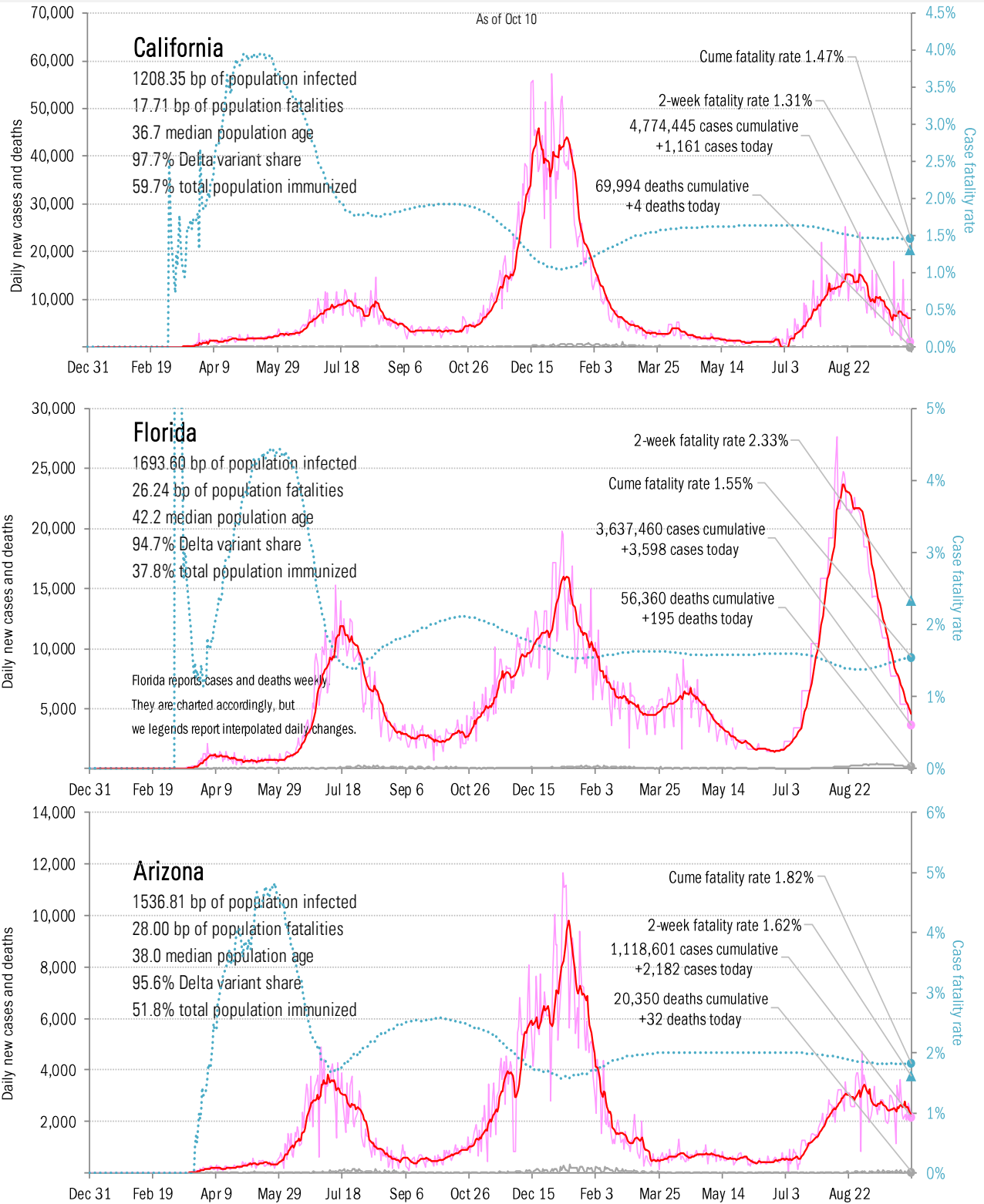
Cases: 7-day average and daily Deaths: Daily



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

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

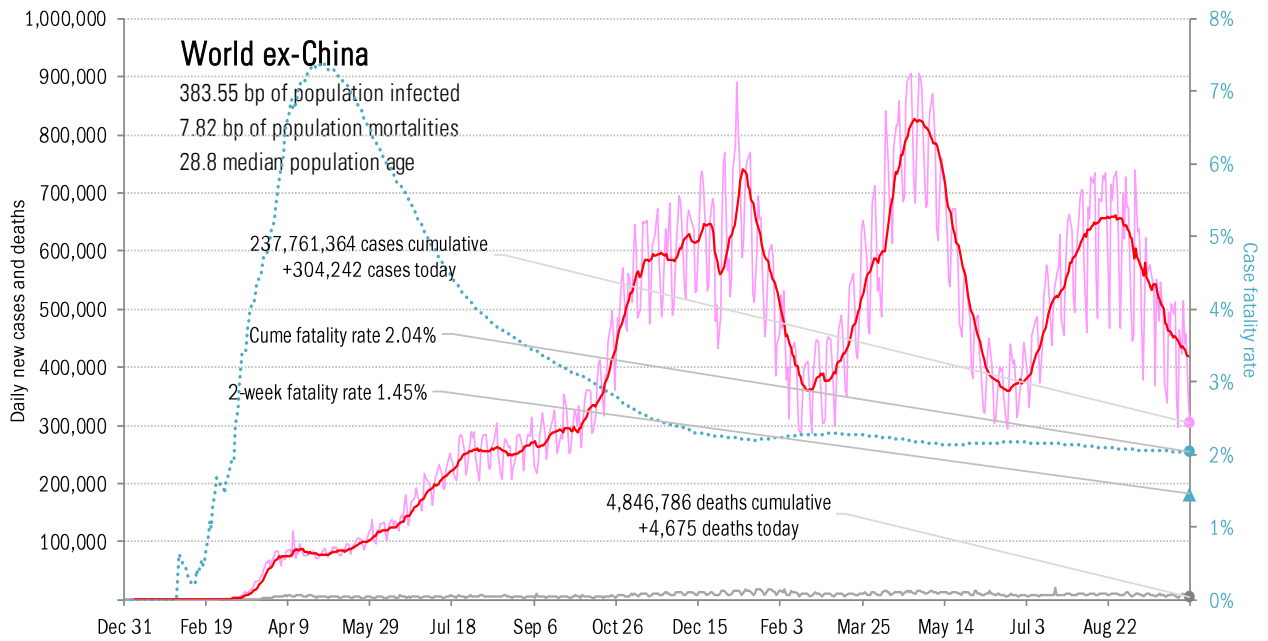
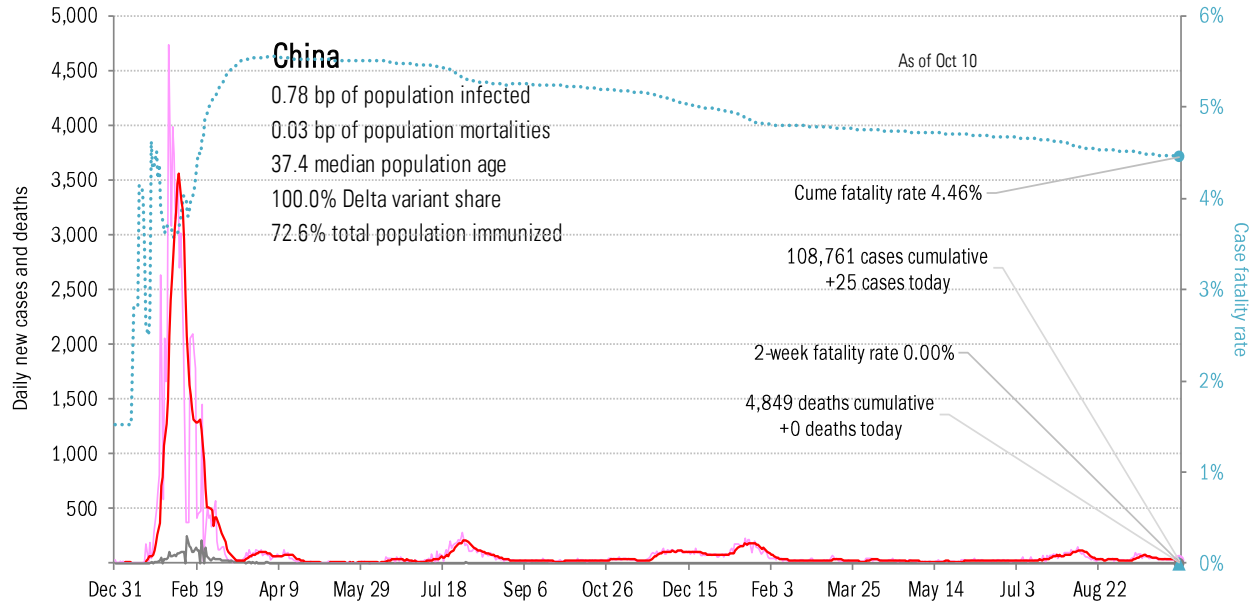
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

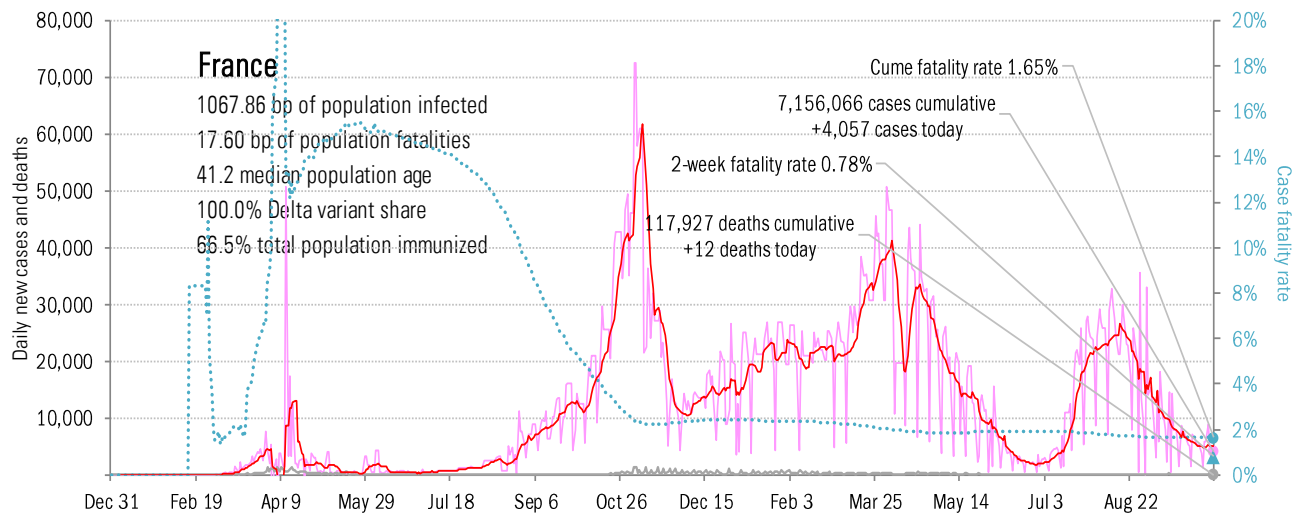
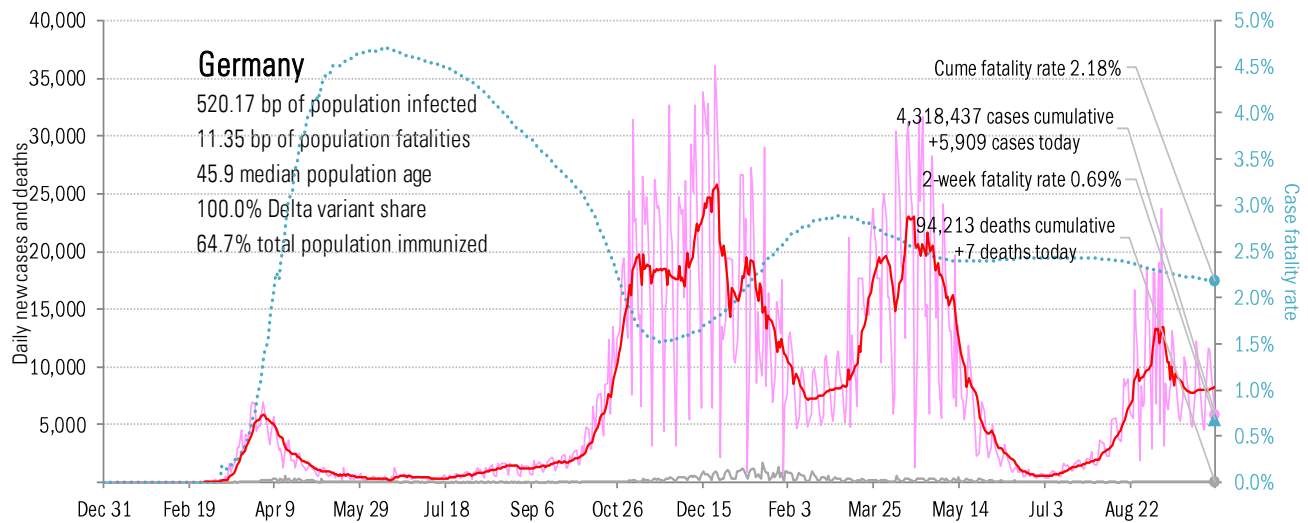
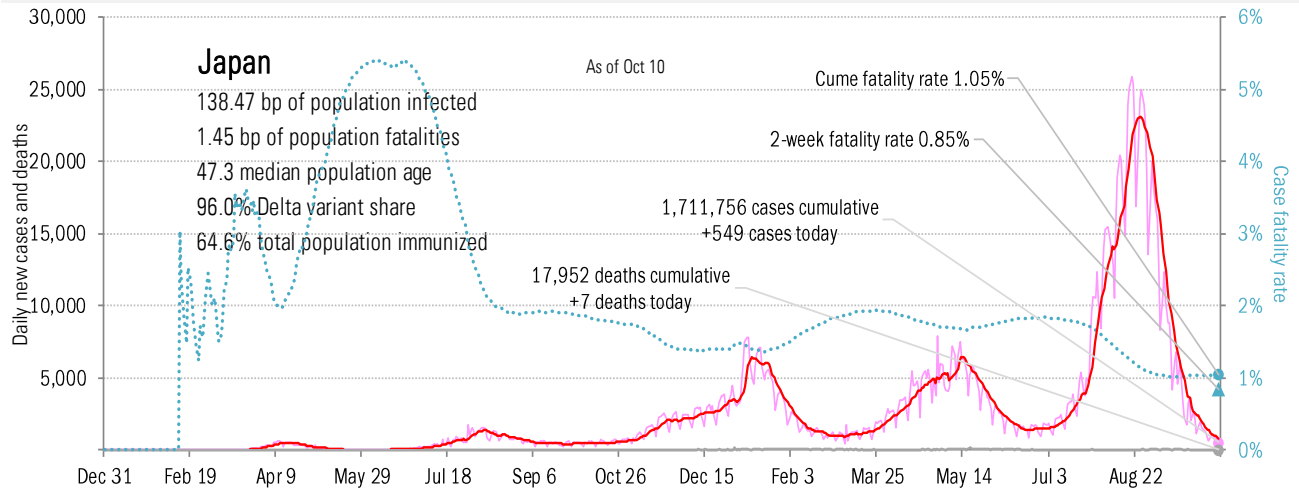
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

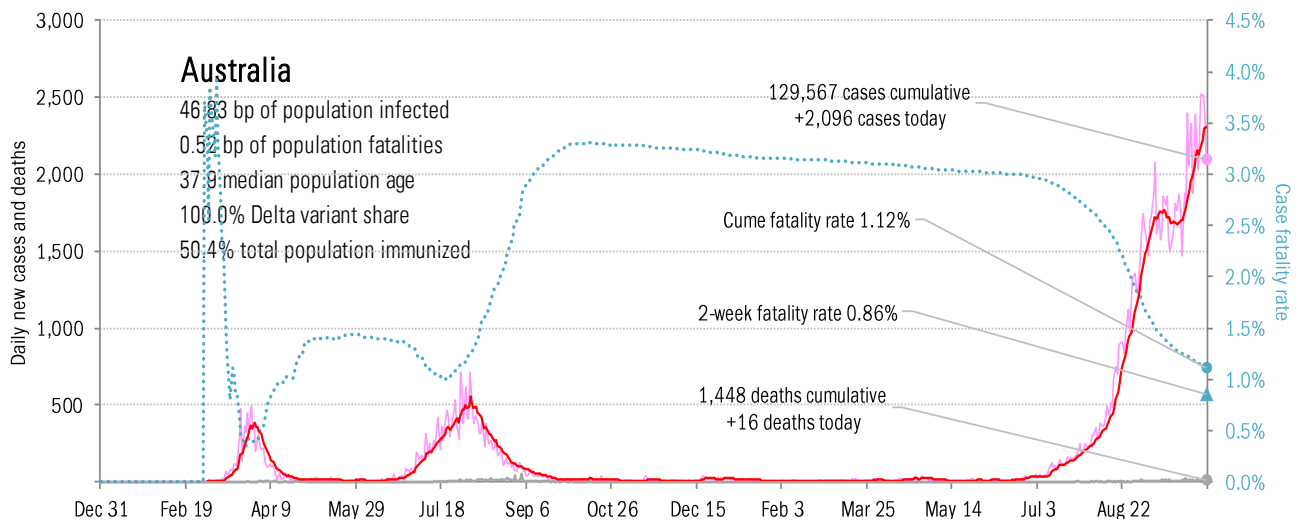
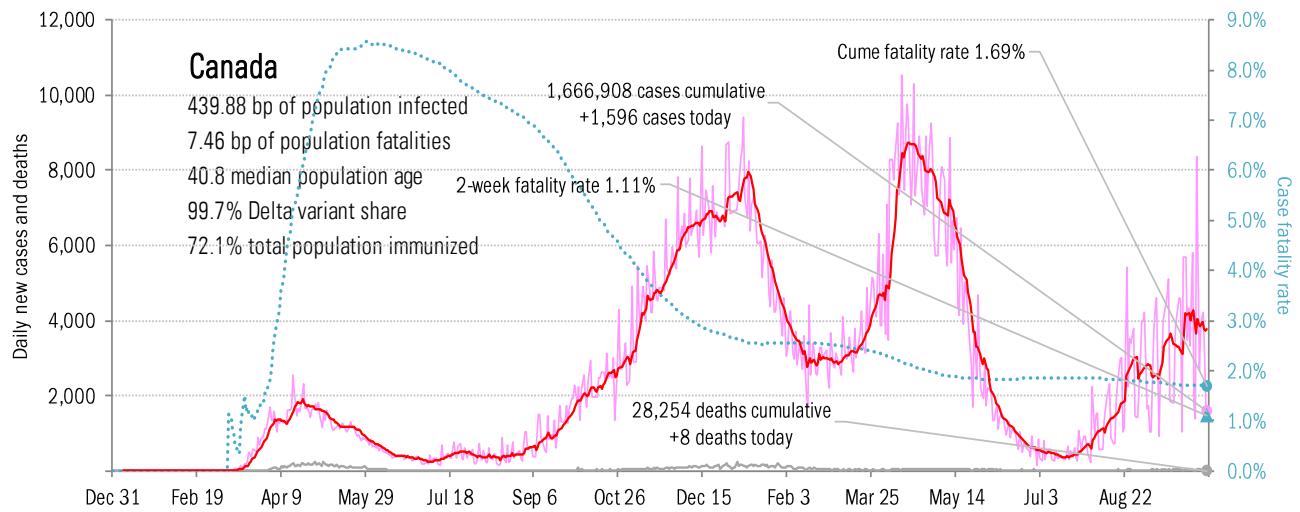
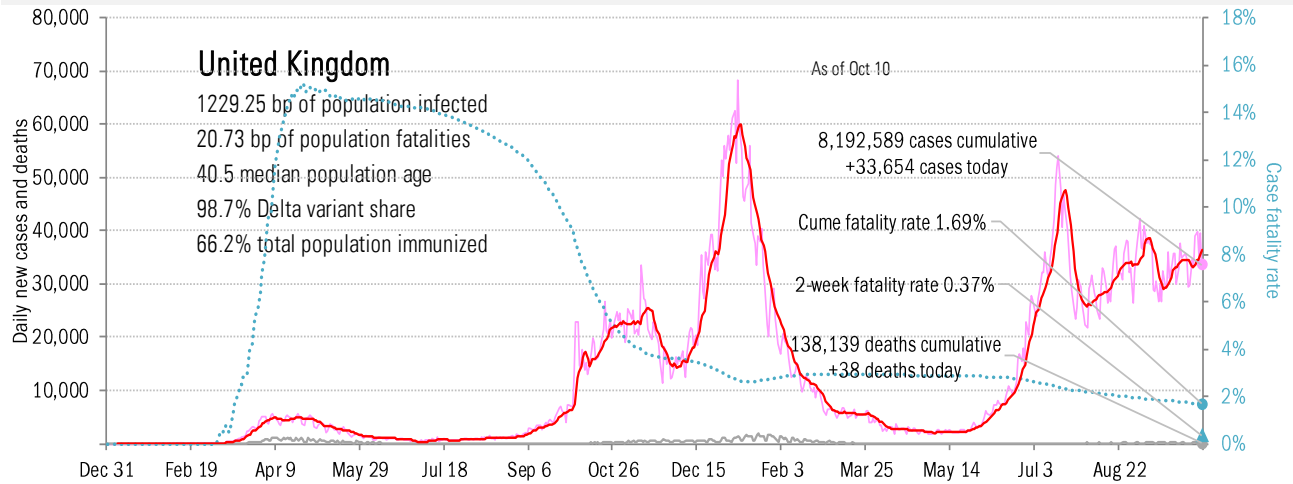
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

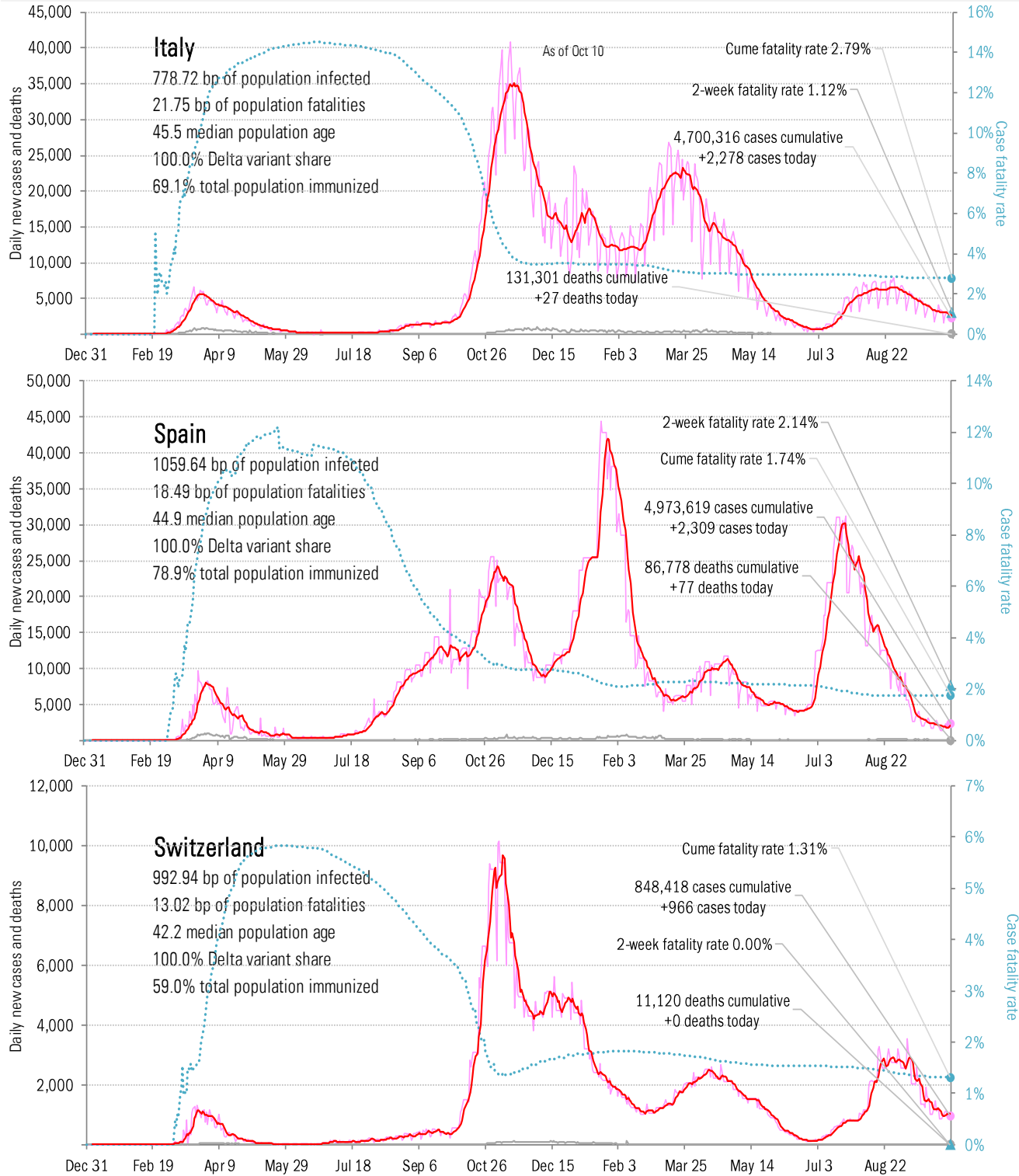
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

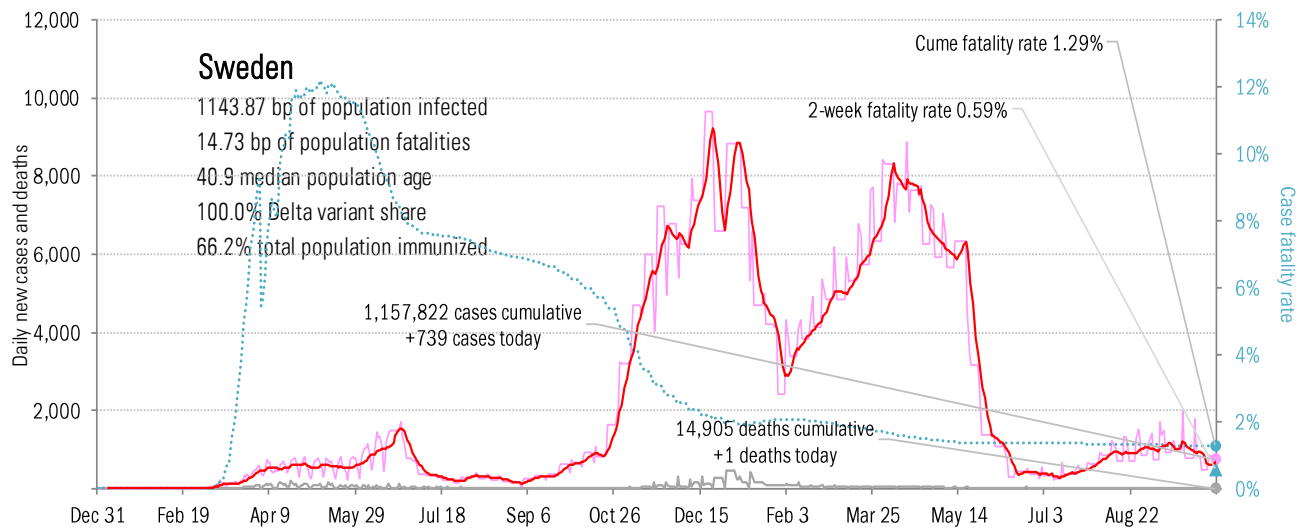
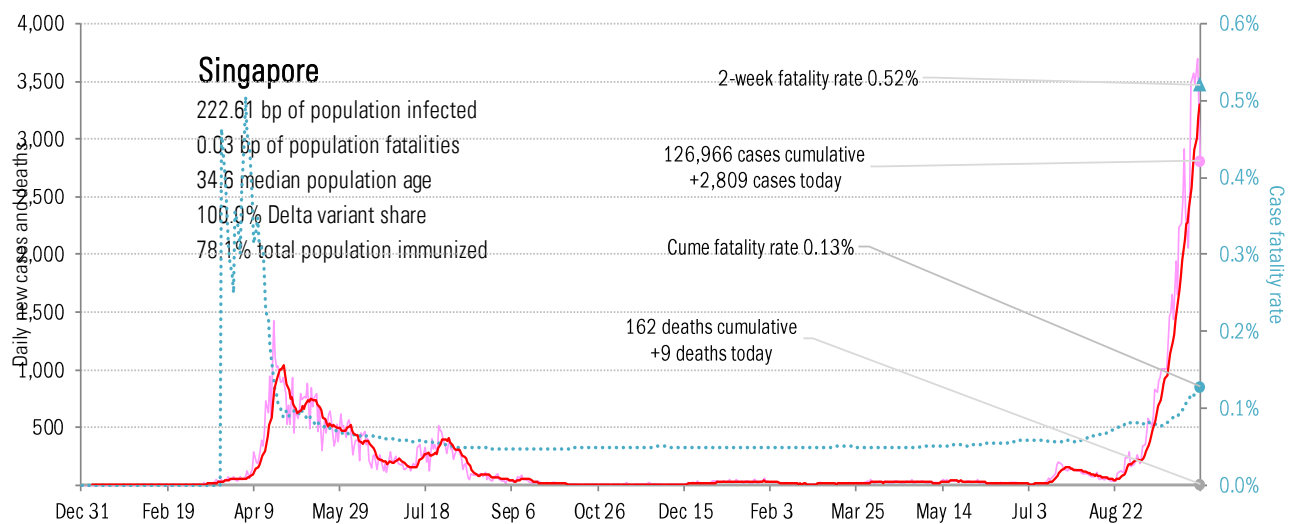
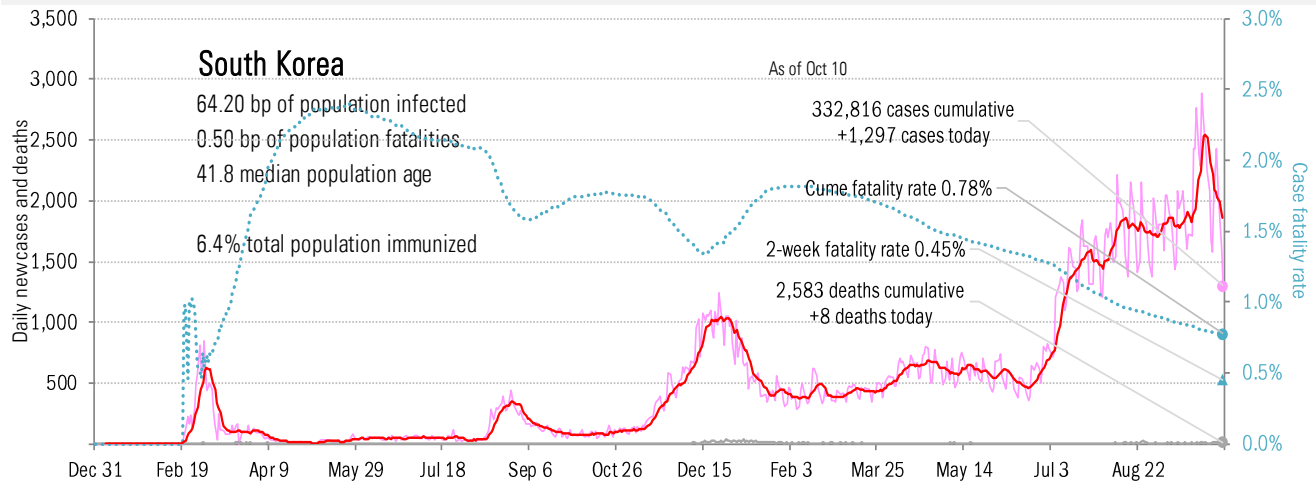
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

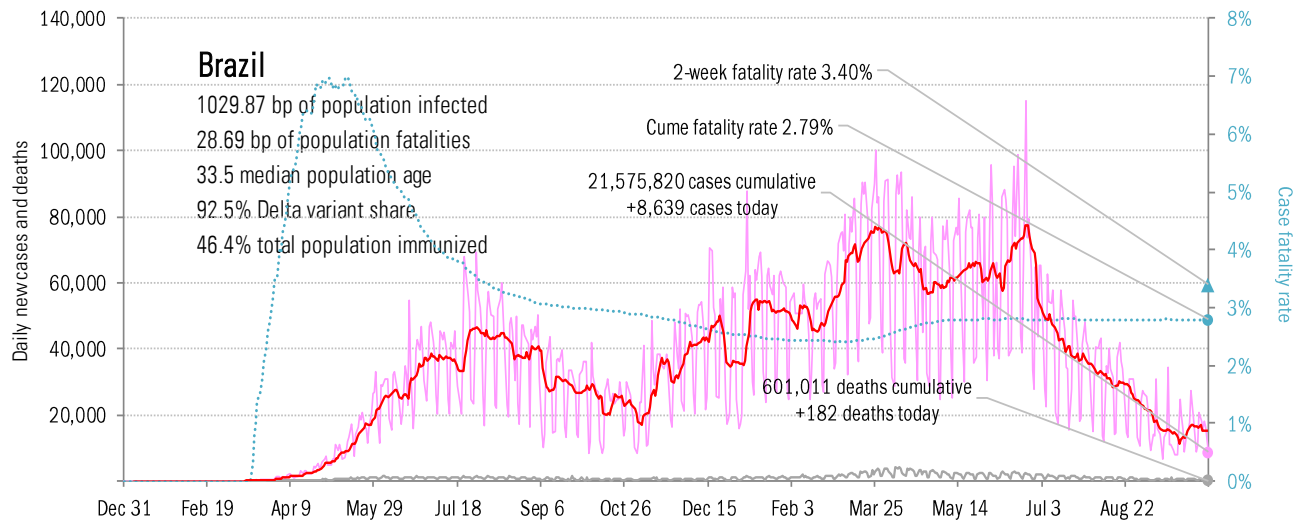
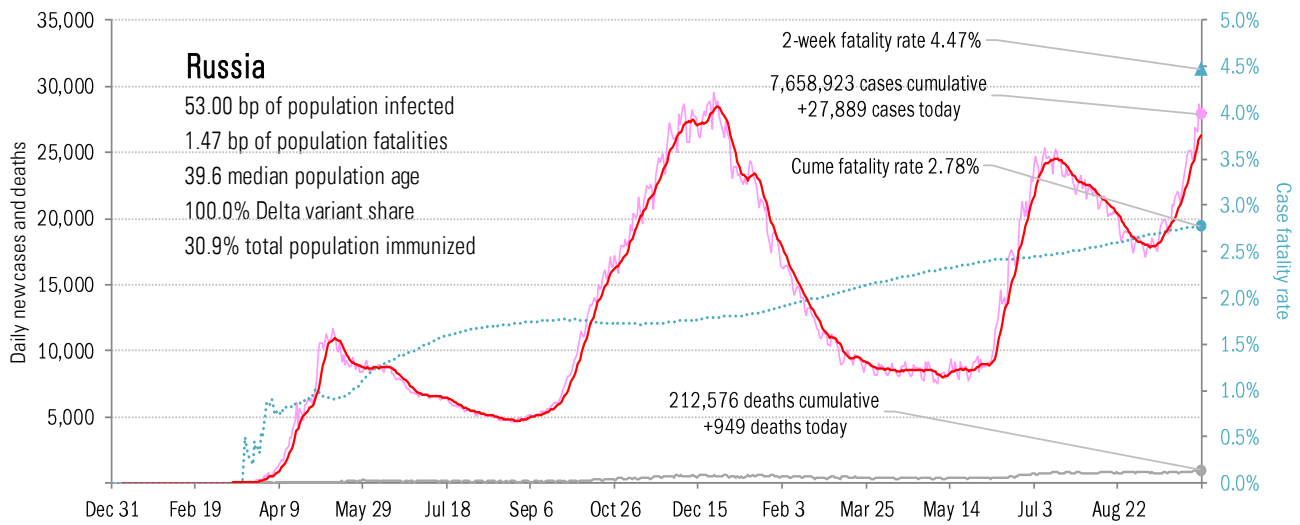
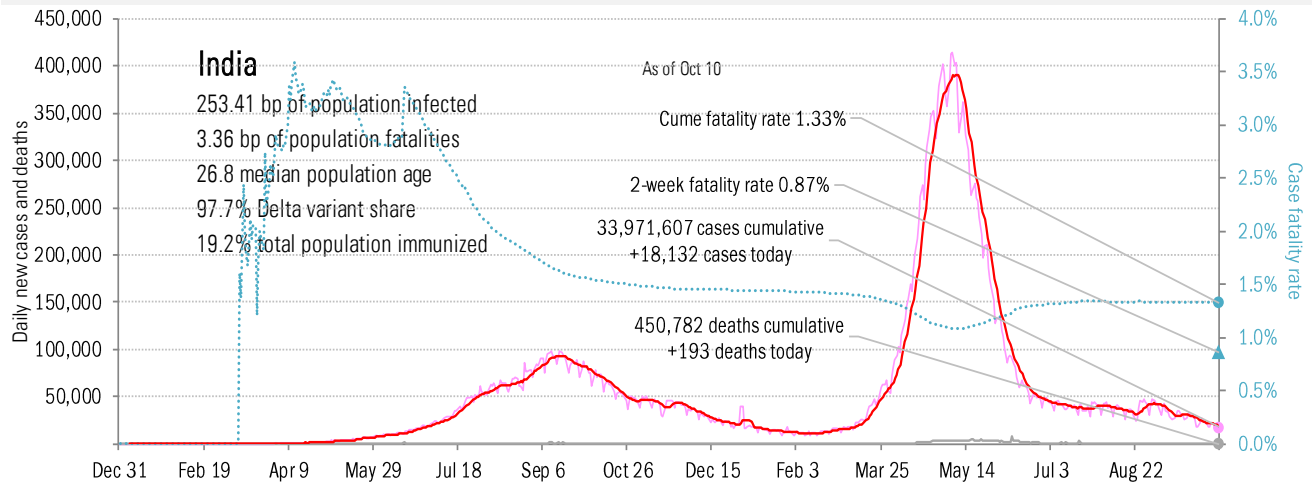
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

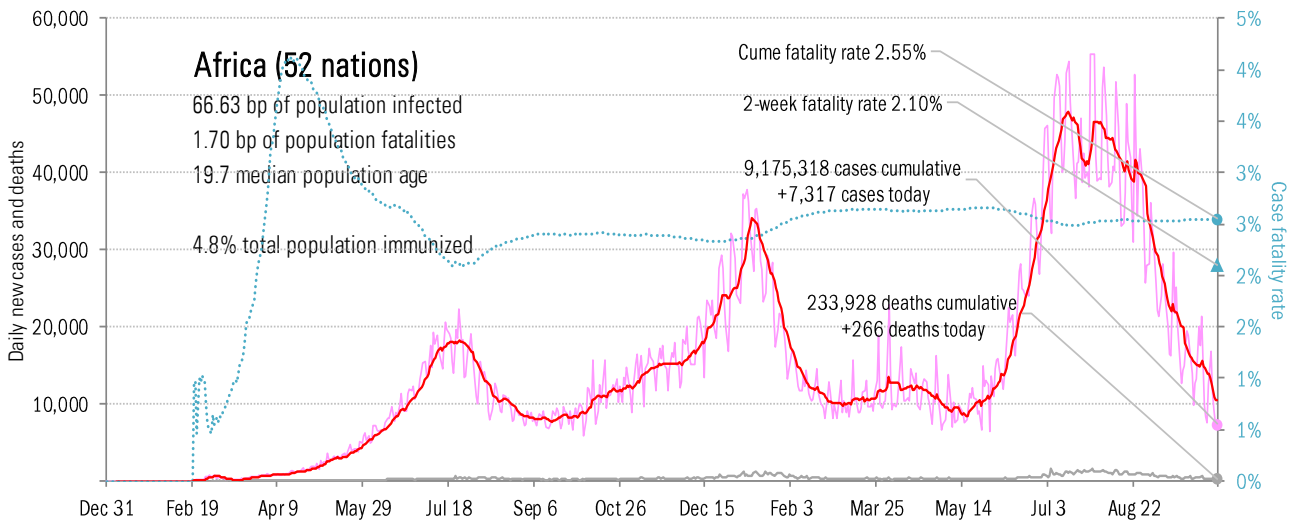
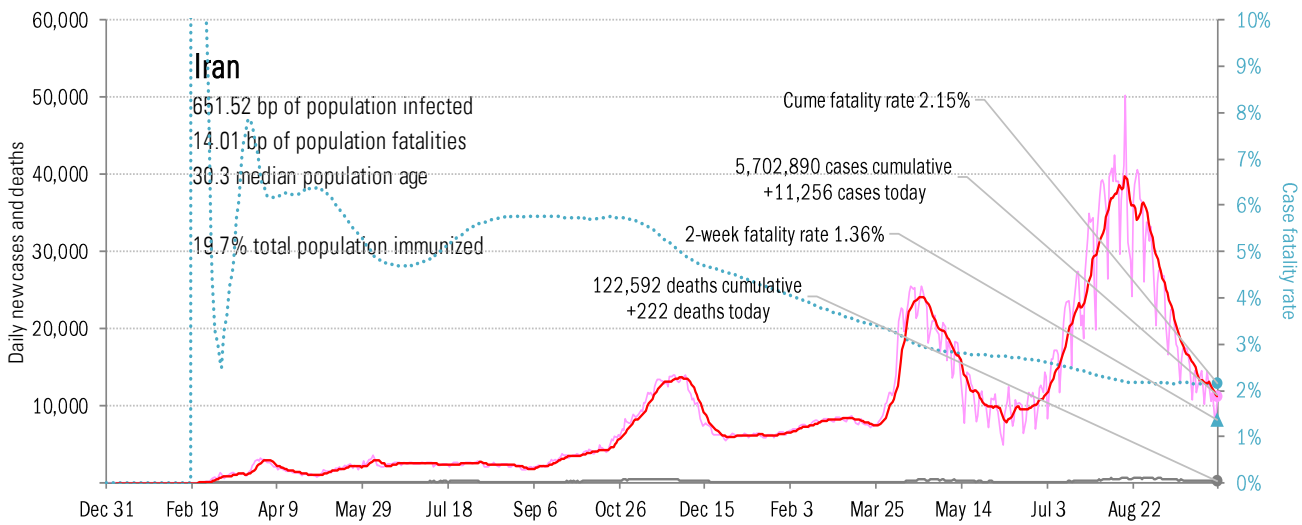
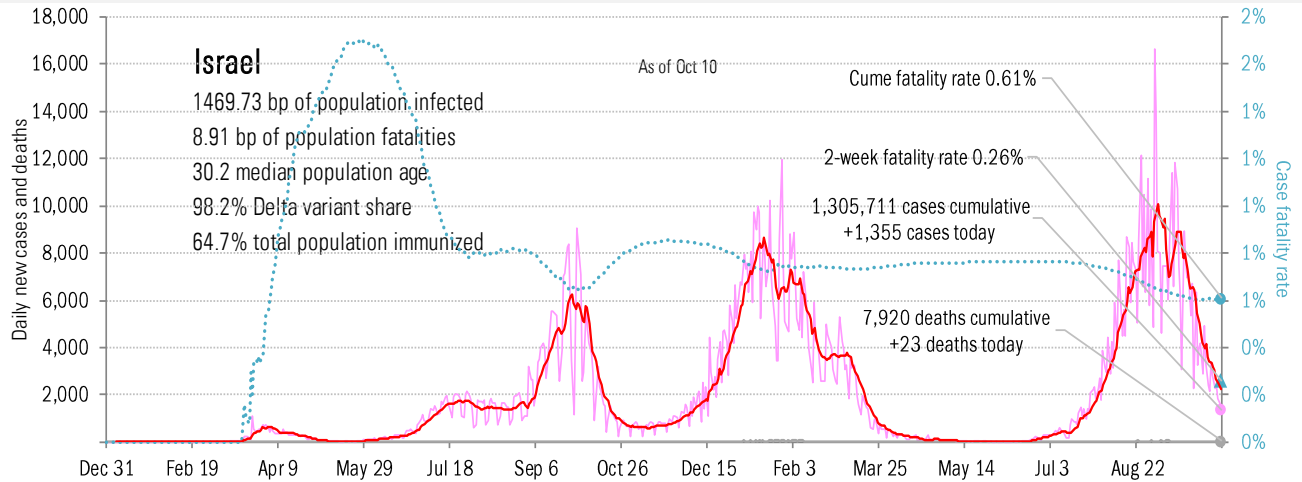
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

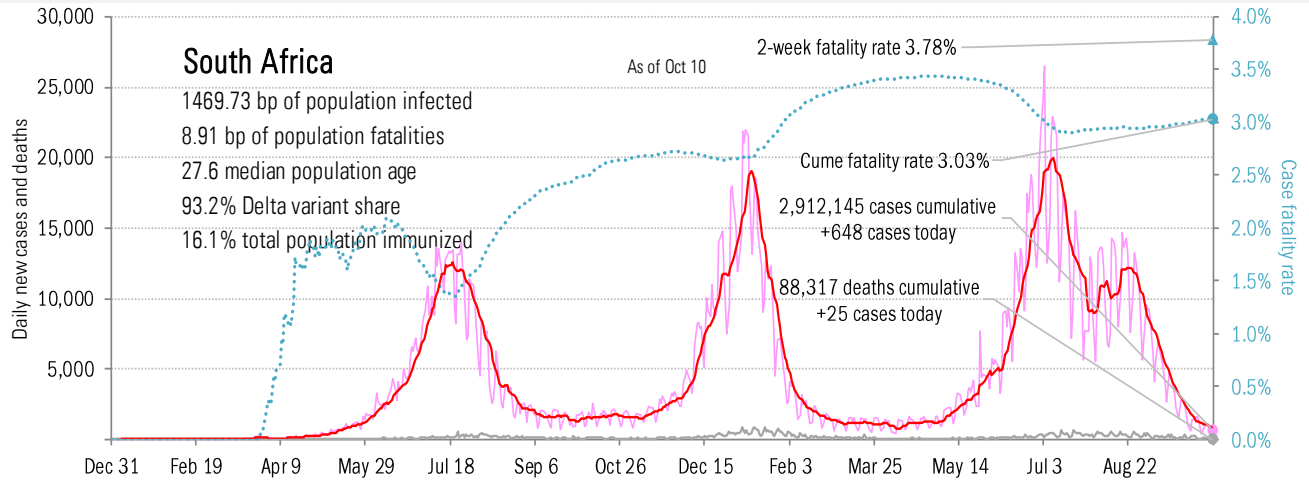
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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