

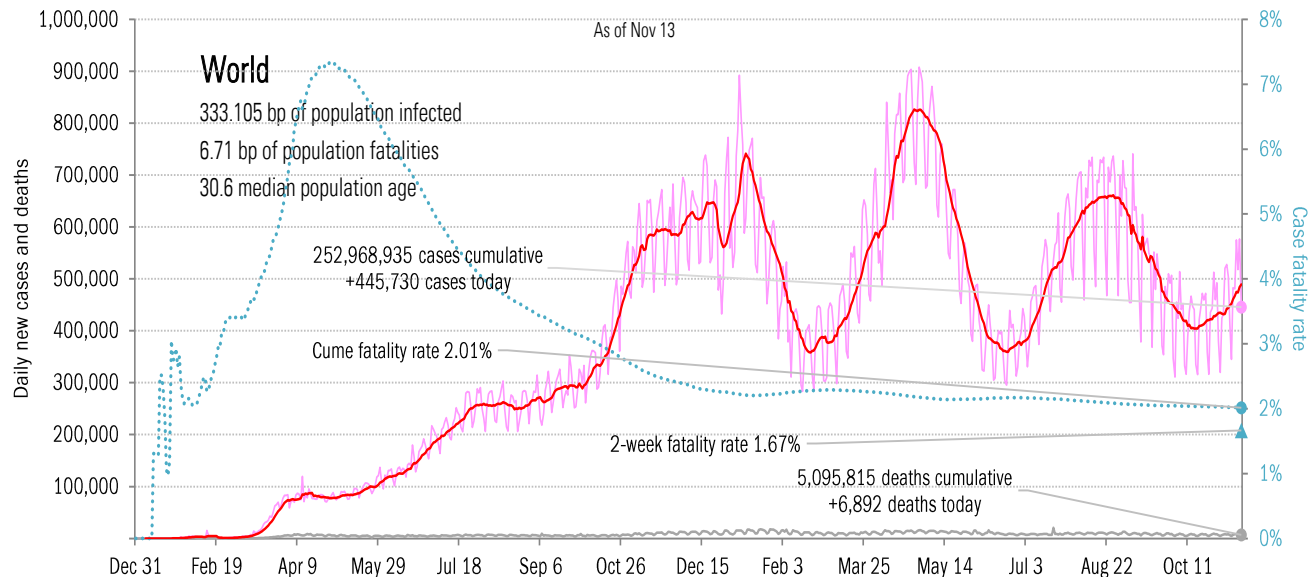
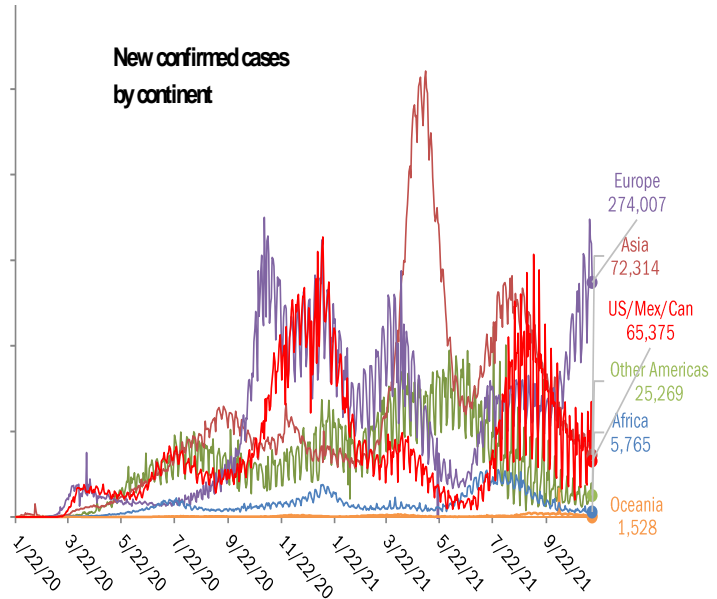
Data Insights: Covid-2019 Monitor

Sunday, November 14, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+60,670	Russia	+1,212
Russia	+38,068	Brazil	+731
United Kingdom	+37,807	Ukraine	+724
Germany	+34,309	United States	+503
Ukraine	+24,760	Romania	+323
Turkey	+22,583	India	+285
France	+14,676	South Africa	+277
Brazil	+14,642	Poland	+266
Poland	+14,298	Mexico	+242
Czechia	+14,237	Philippines	+237
+276,050		+4,800	
World +445,730		World +6,892	
Top ten 62%		Top ten 70%	



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

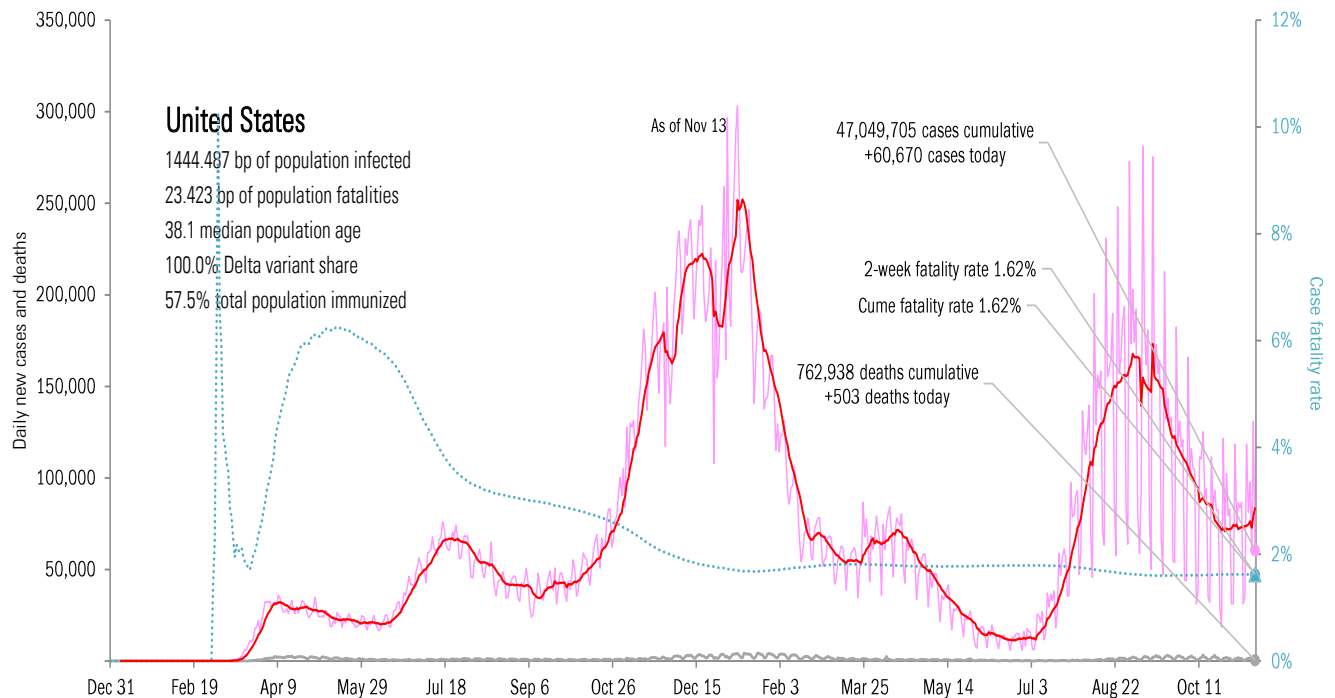
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
PA	+20,320		CA	+91		MI	+120		CA	5,004,302		CA	73,105		TX	378,525		RI	89%	NM	91%
CA	+9,389		PA	+76		GA	+98		TX	4,283,413		TX	72,760		FL	320,714		MA	87%	KY	91%
NY	+5,406		TX	+73		OH	+65		FL	3,710,815		FL	60,664		CA	314,910		PA	85%	R	91%
CH	+4,689		FL	+52		MN	+64		NY	2,622,131		NY	56,922		NY	166,733		MI	85%	CO	88%
AZ	+3,985		AZ	+51		TX	+63		IL	1,735,586		PA	32,355		GA	161,109		MD	84%	NE	87%
IA	+3,090		AL	+47		KY	+52		GA	1,647,265		GA	29,861		CH	127,414		MN	83%	MI	85%
TX	+2,980		MD	+20		IL	+43		PA	1,639,190		IL	28,510		PA	120,123		DC	83%	TX	85%
MO	+1,654		NJ	+17		WI	+38		CH	1,600,860		NJ	28,169		KY	112,411		WA	83%	AL	85%
NJ	+1,638		DE	+16		AZ	+31		NC	1,501,801		CH	25,643		IL	106,707		MO	83%	ID	85%
FL	+1,472		NY	+15		PA	+30		MI	1,346,868		MI	24,308		MI	95,552		GA	82%	AK	85%
+54,623			+458			+604			25,092,231			432,297			1,904,198						
All states	+60,670			+503			+451		All states	47,049,705			762,938			3,412,257		All states	70%		67%
Top ten	90%			91%			134%		Top ten	53%			57%			56%		Median	77%		78%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-17,779	CK	-754	CA	-86	AK	+10 bp
IL	-7,952	TX	-197	CO	-80	AR	+10 bp
FL	-6,561	FL	-142	KS	-41	AZ	+10 bp
MN	-4,838	GA	-112	FL	-30	CA	+10 bp
NC	-4,124	KY	-110	NJ	-26	H	+10 bp

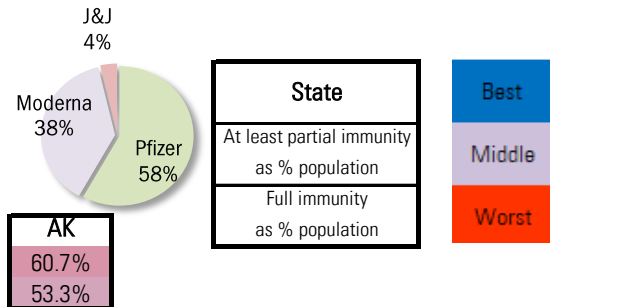


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	451,192,846	+1.686 million	US	57.5%	67.2%
Boosters	29,059,832	+0.909 million	UK	67.4%	74.1%
	One dose	% Pop	Immune	% pop	New immune today
Total population	231,899,185	69%	199,987,156	60%	+0.196 million
Age 12 to 17	14,394,051	60%	12,097,035	51%	+0.015 million
Age 18 to 64	159,438,974	78%	138,236,395	68%	+0.143 million
Age 65 and over	55,989,955	100%	48,720,252	89%	+0.037 million

France	68.6%	76.2%
Spain	80.1%	81.6%
Germany	66.9%	69.4%
Italy	72.5%	77.6%
Australia	69.2%	75.8%
Israel	61.9%	67.3%
Canada	75.3%	78.9%
Japan	75.0%	78.6%
Africa	6.4%	9.5%
India	26.4%	53.9%
Brazil	59.0%	75.6%
China	74.3%	80.0%



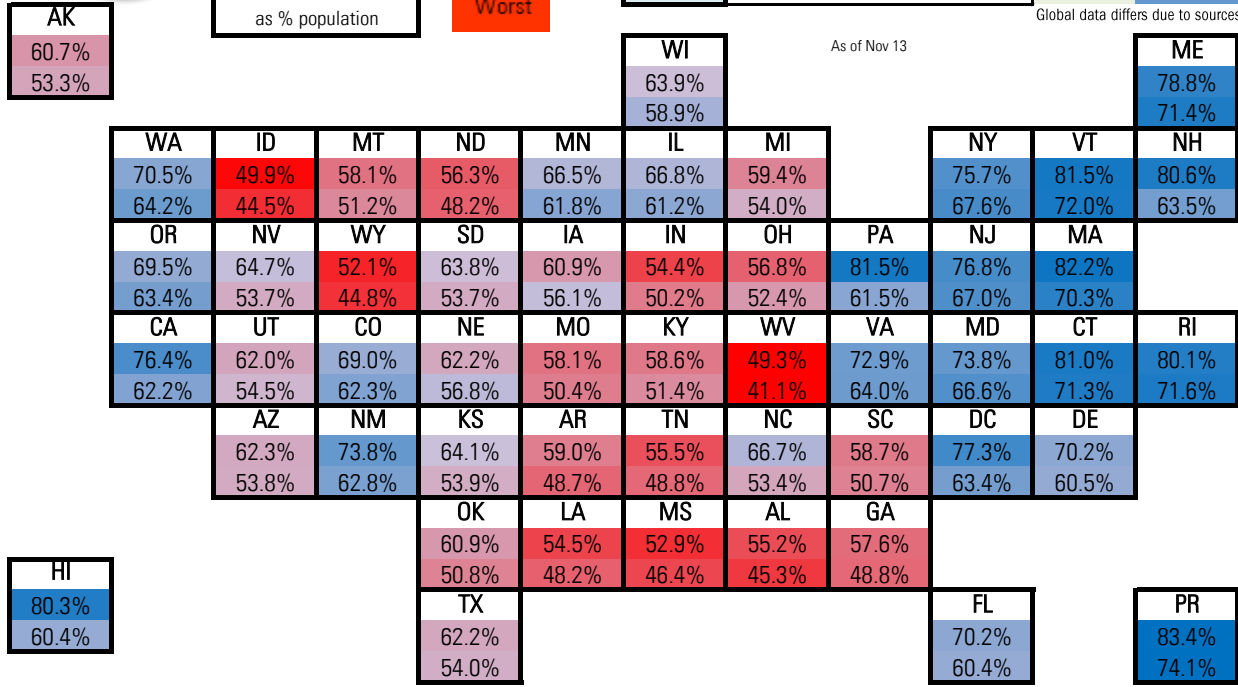
Every American >18 immunized in **152 days** by Apr 13, 2022

72.4% of population >18 immunized

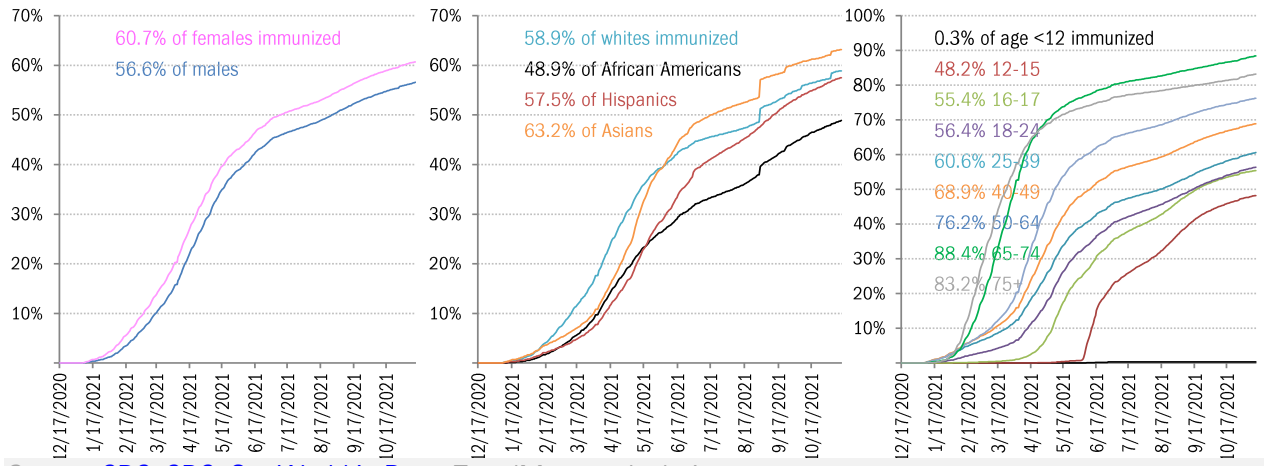
16.8% previously tested positive

89.2% vs 60% adult herd immunity

Global data differs due to sources, timing



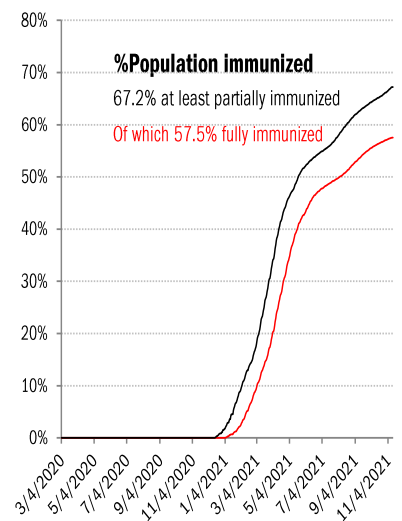
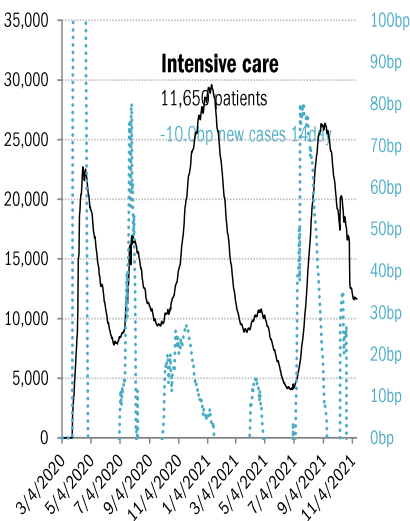
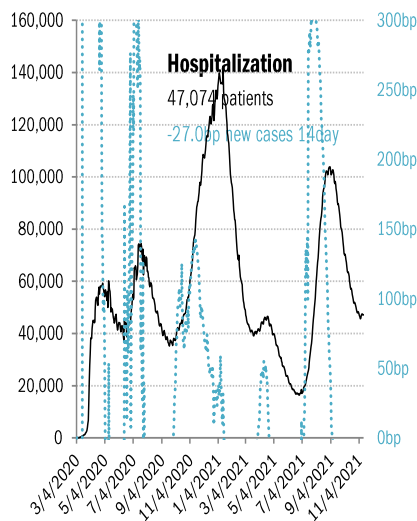
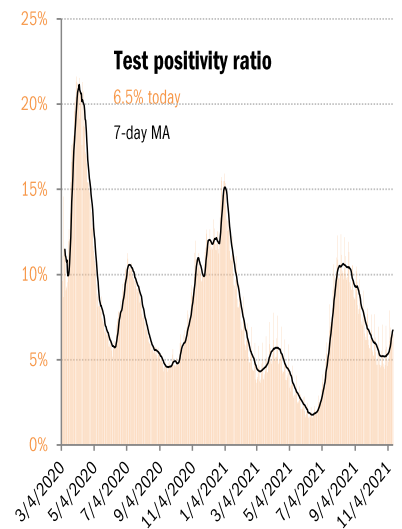
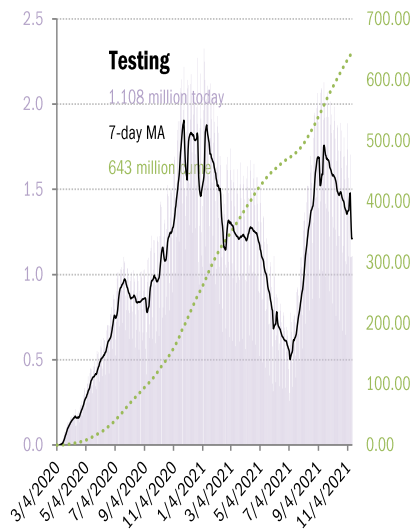
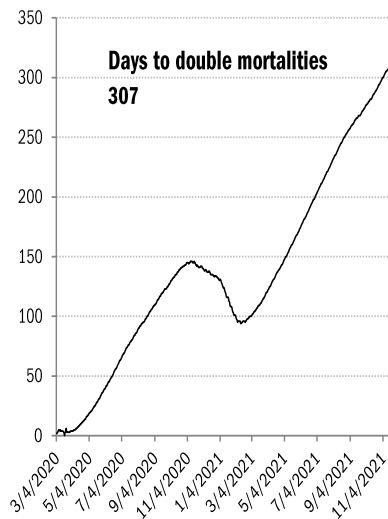
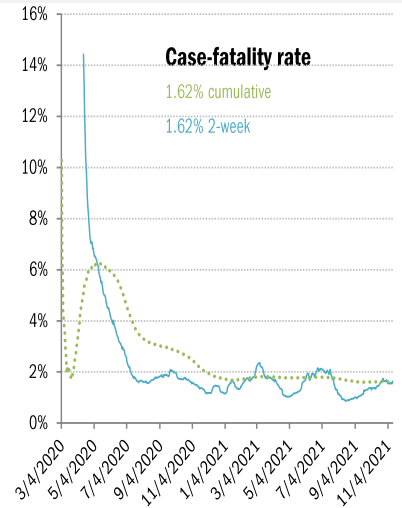
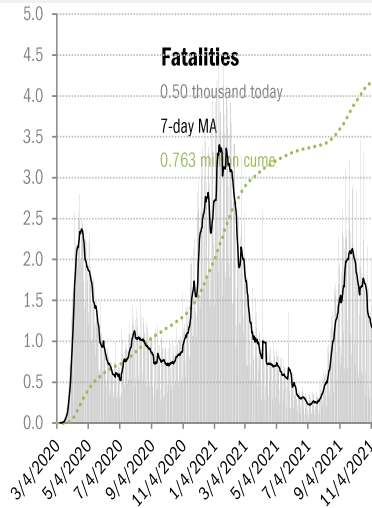
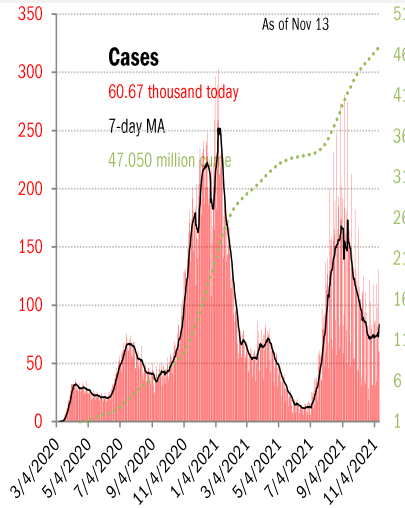
The demographics of US vaccination



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

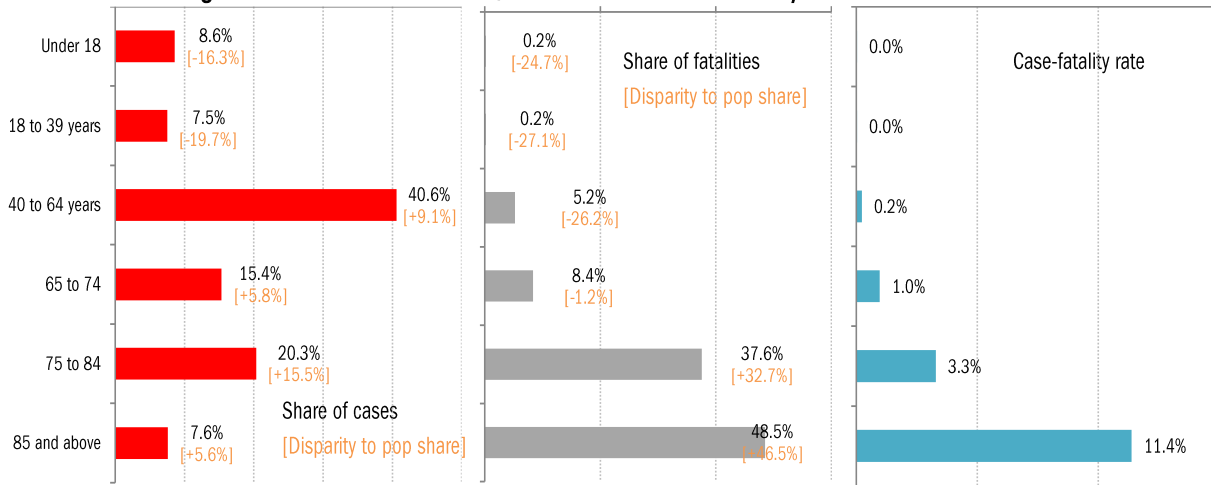
US deep-dive

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

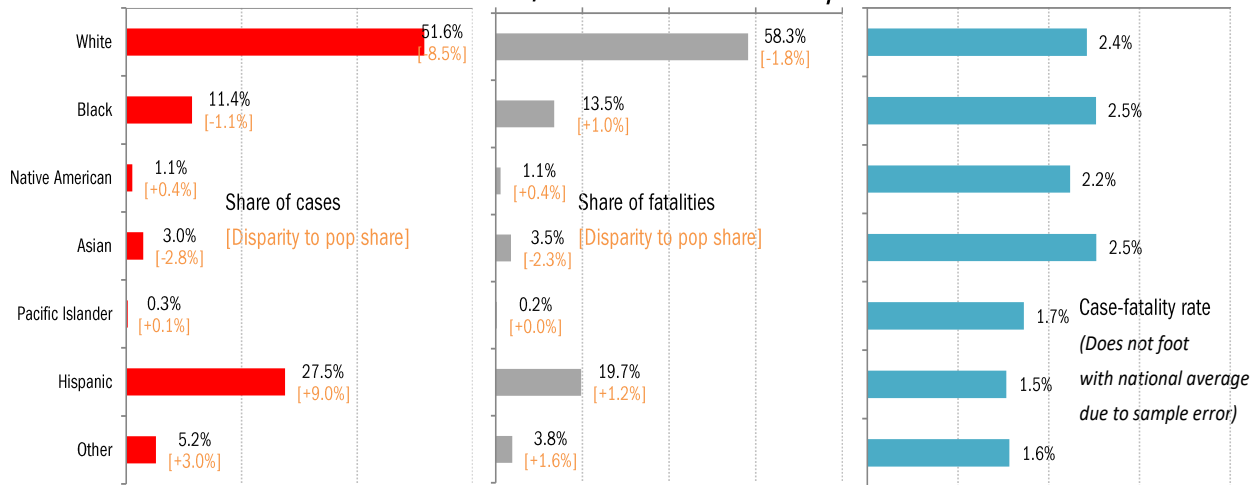


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

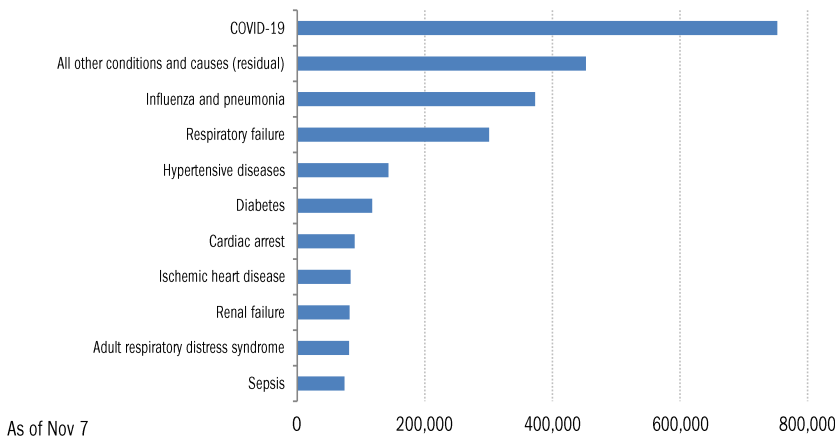


Racial distribution of US cases, fatalities and case-fatality rates



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

[Portugal bars companies from contacting employees off hours and requires other protections for remote work.](#)

Raphael Minder
New York Times
November 13, 2021

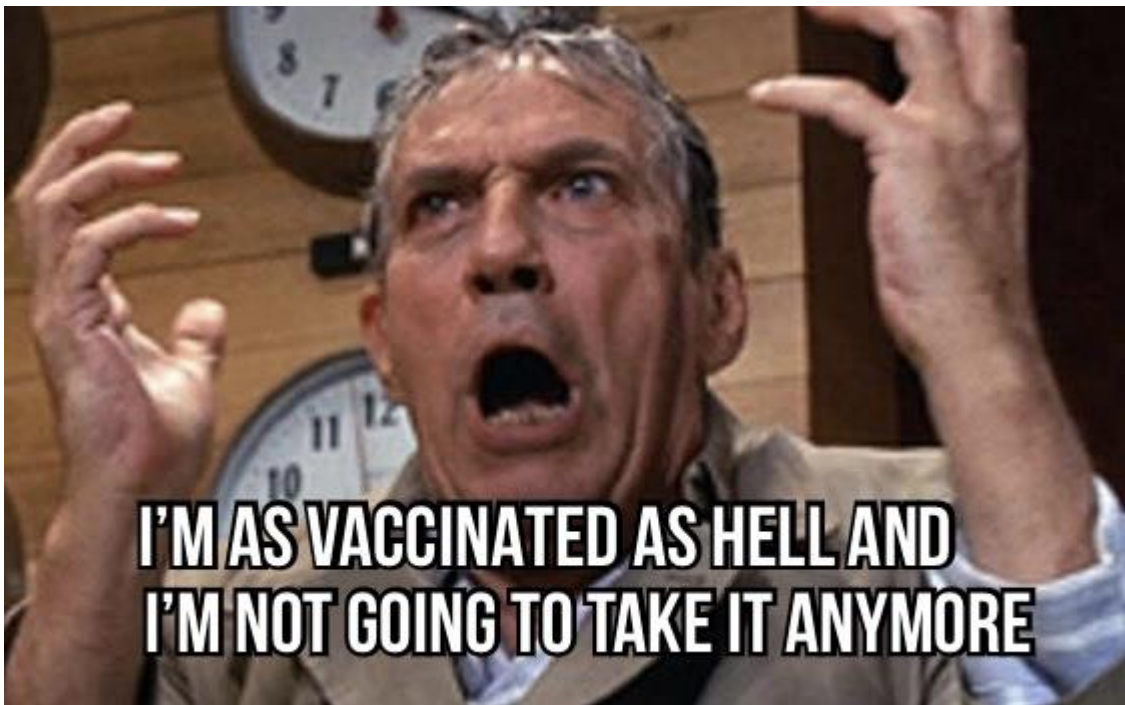
[The Journey of One Southwest Plane Explains the Misery of Travel Now](#)

Scott McCartney |
Wall Street Journal
November 10, 2021

[‘They See Us as the Enemy’: School Nurses Battle Covid-19, and Angry Parents](#)

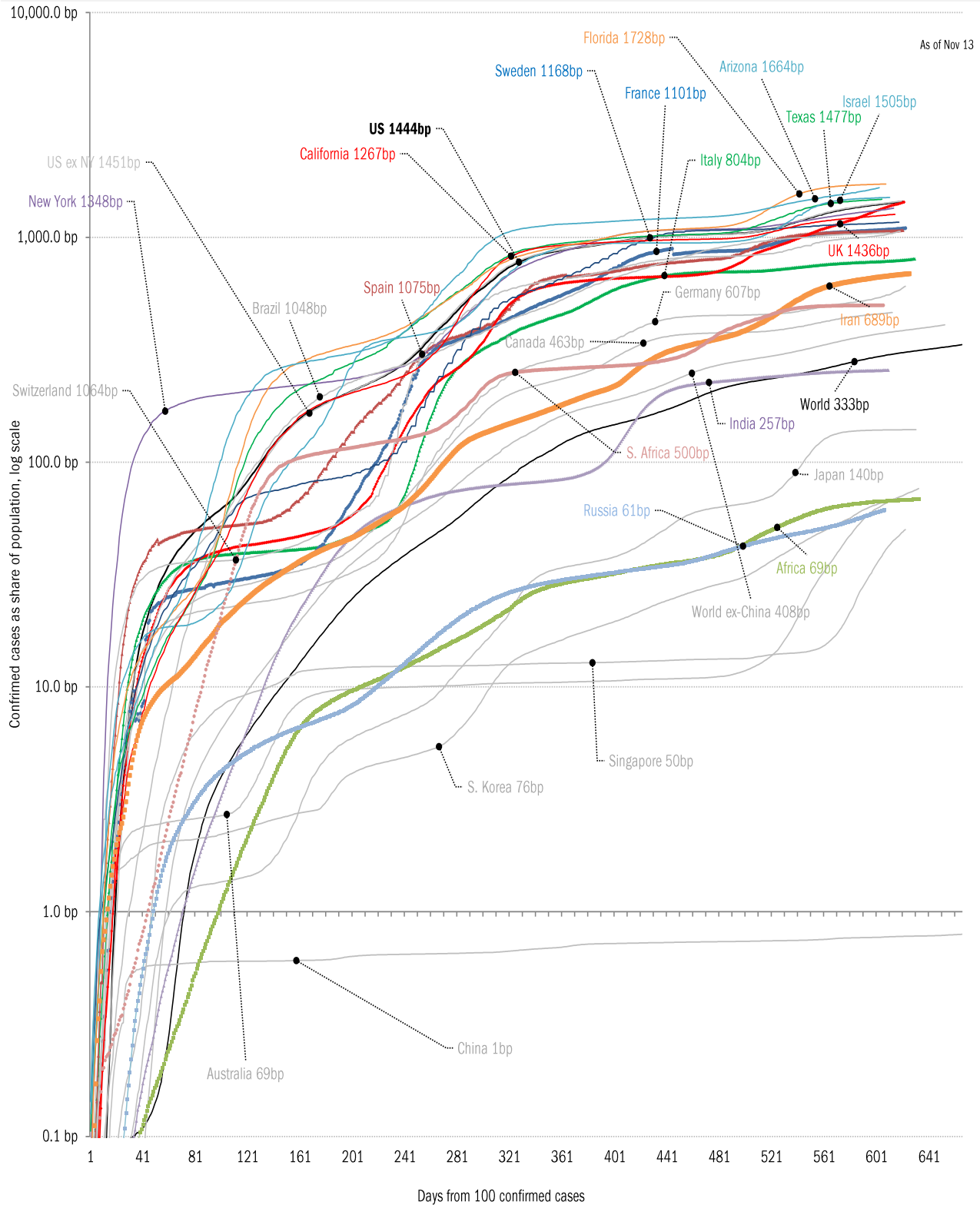
Emily Anthes
New York Times
November 13, 2021

Meme of the day



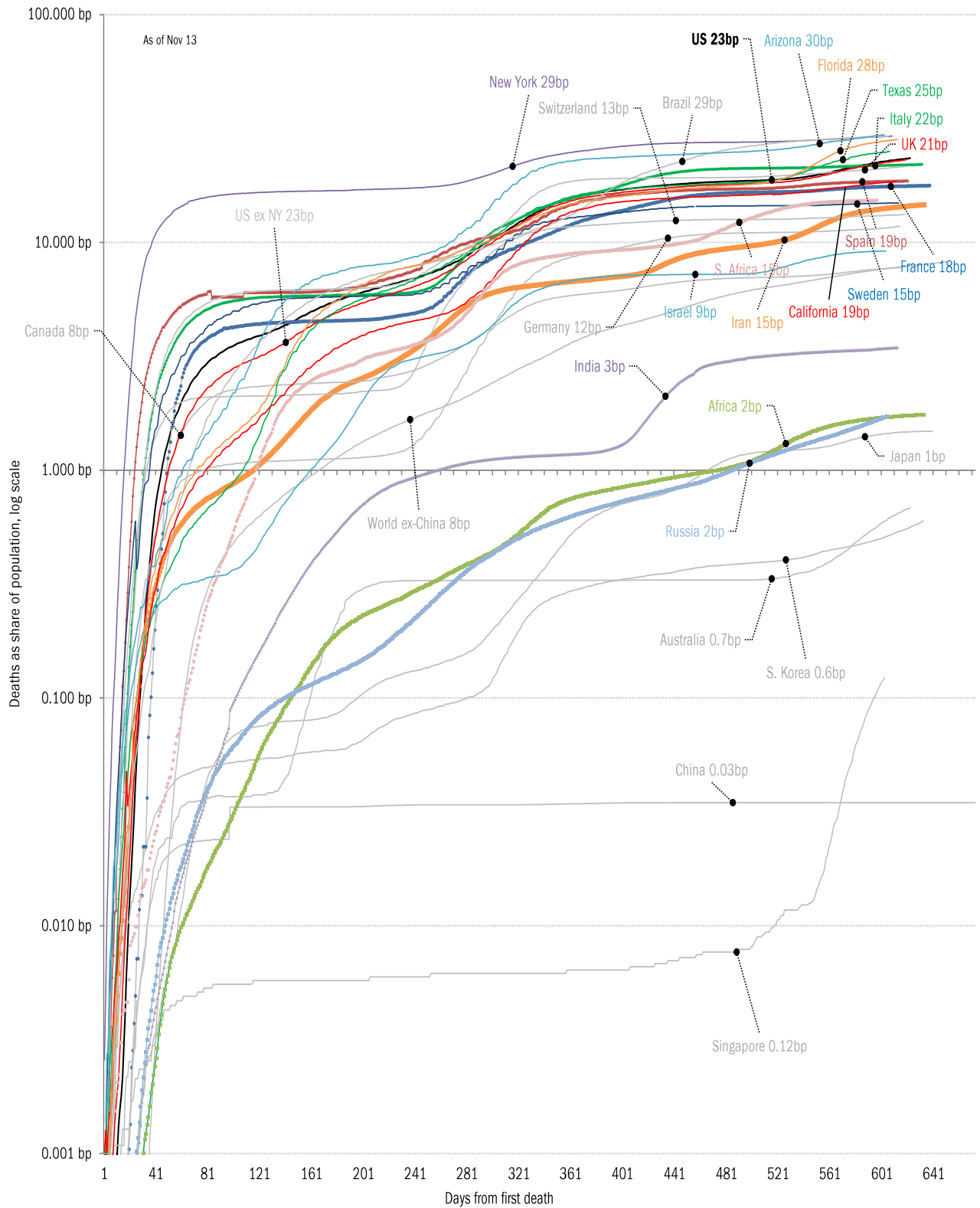
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

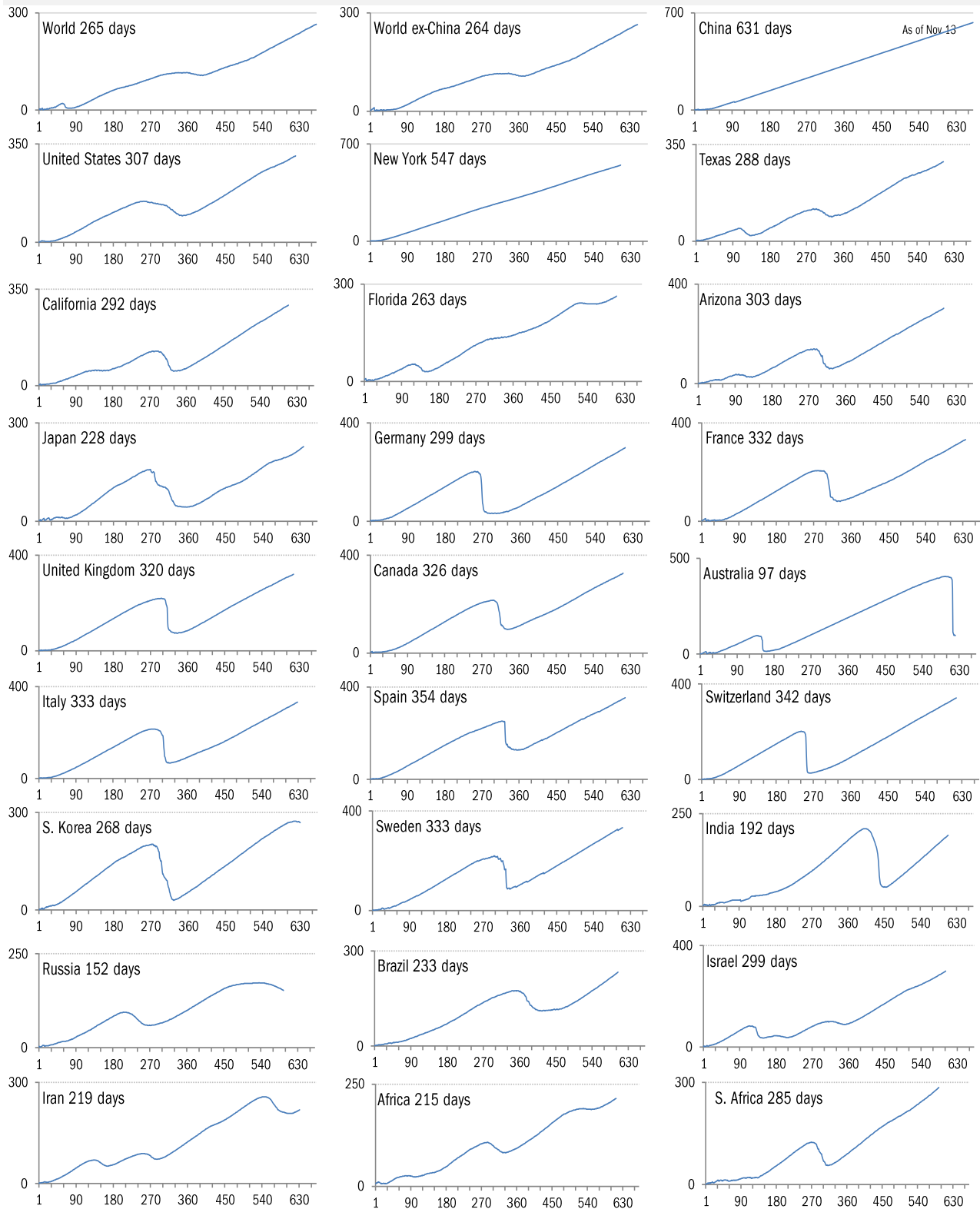


Source: [Johns Hopkins](#), TrendMacro calculations

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

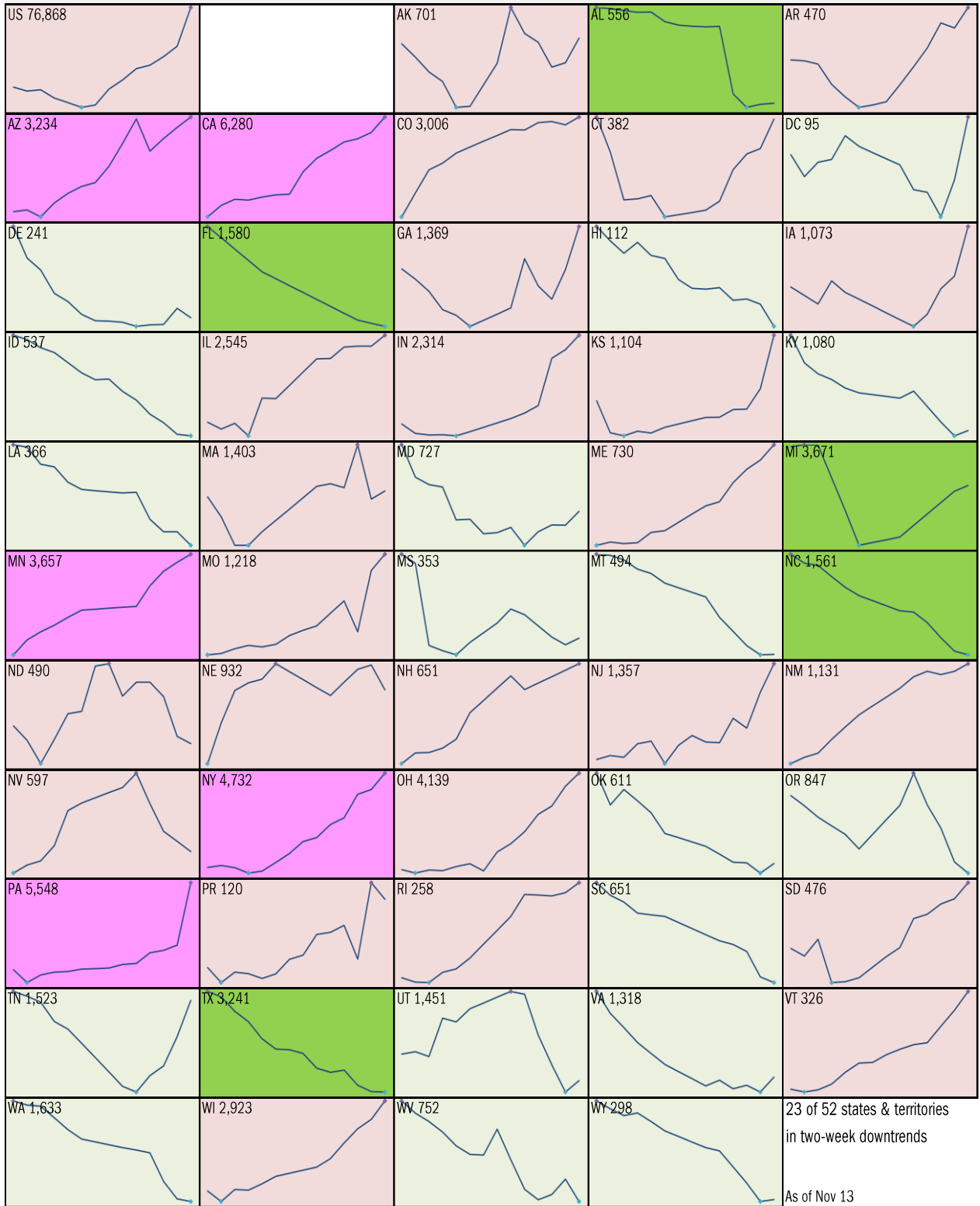
Vertical: days to double deaths Horizontal: days from first death

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

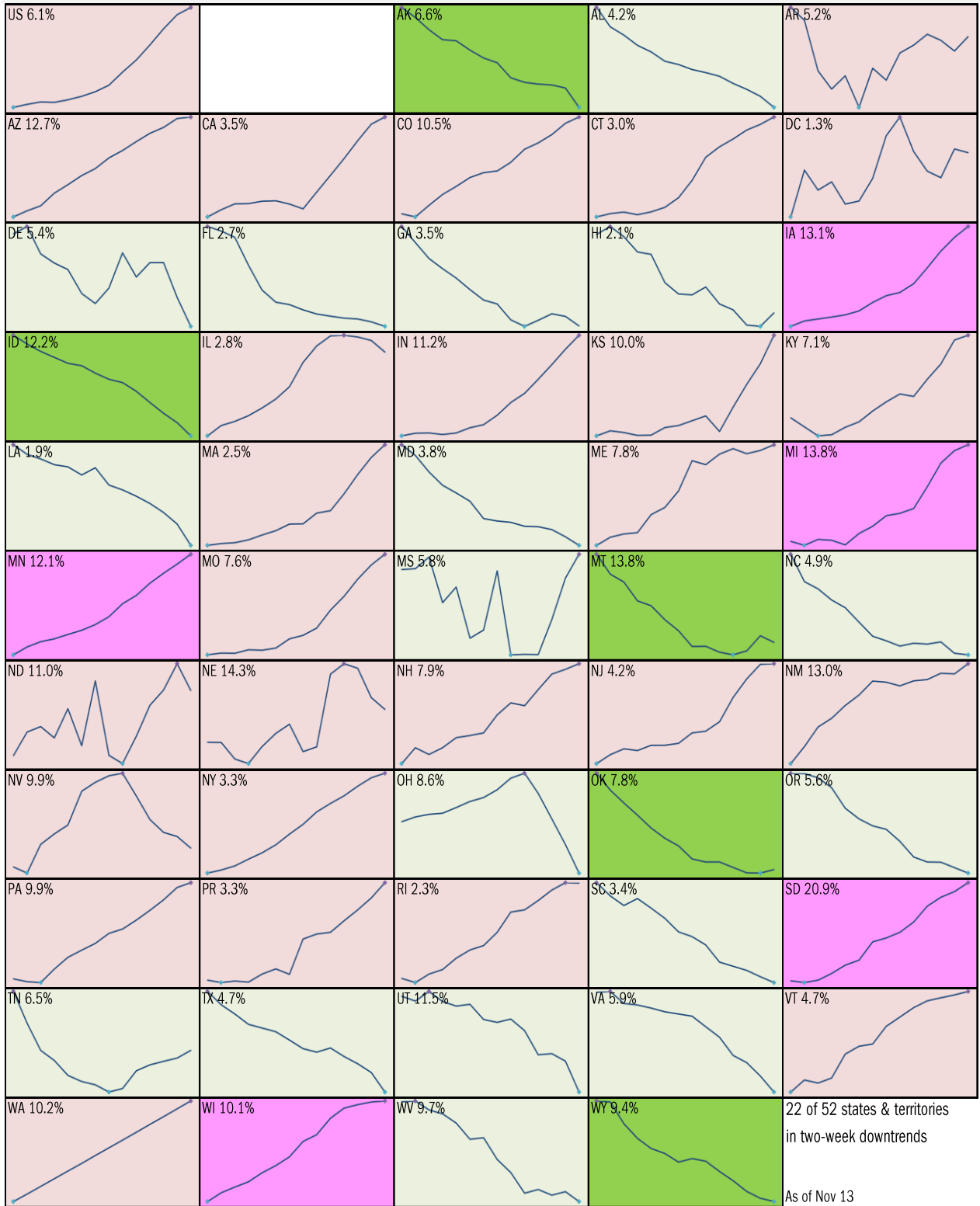


Source: [Johns Hopkins](#), TrendMacro calculations

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

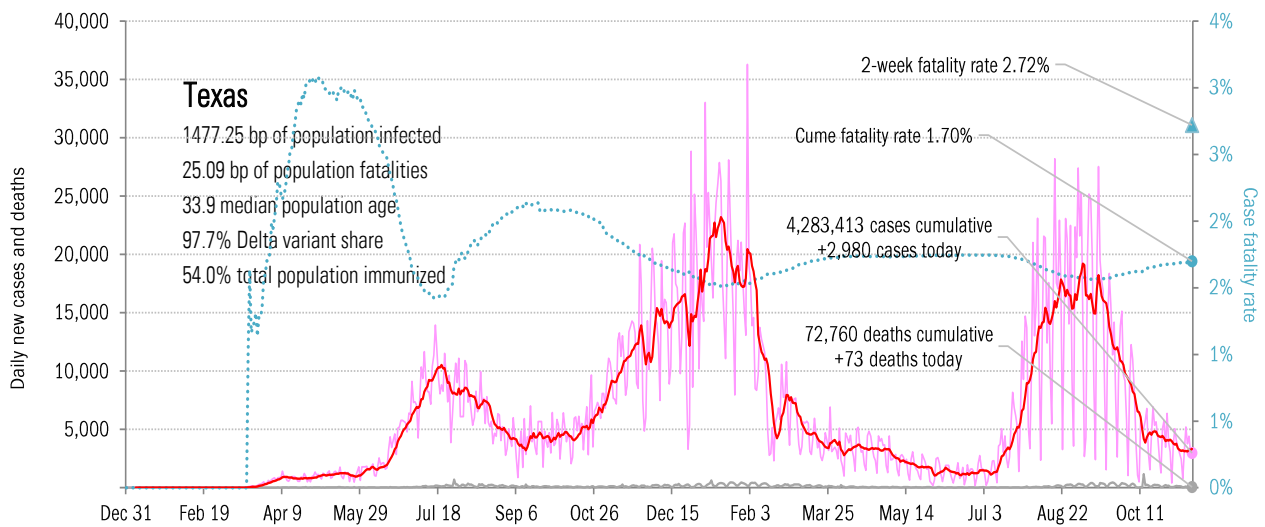
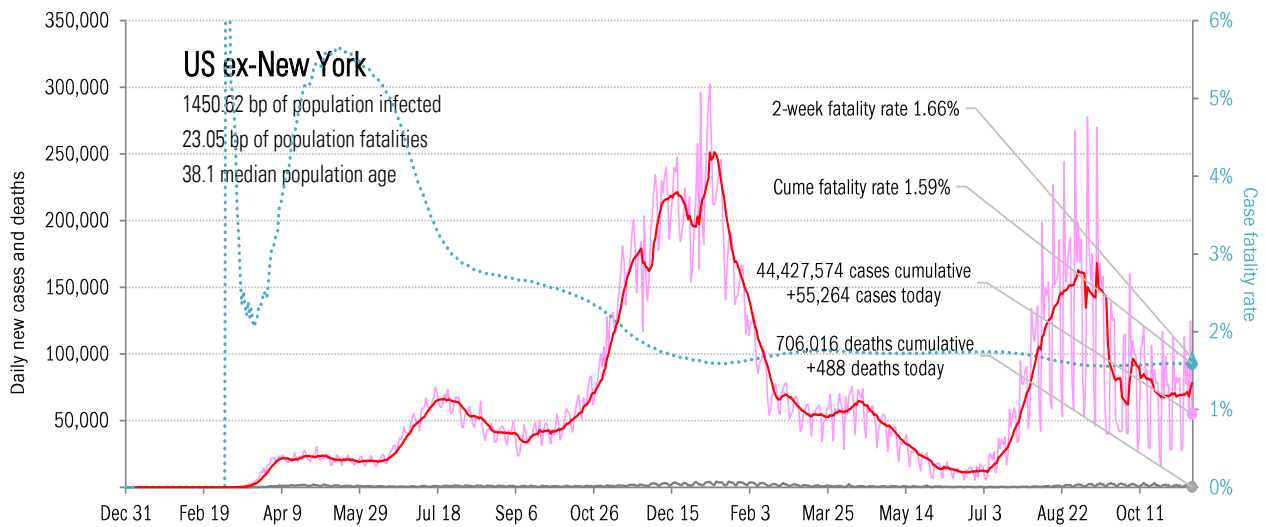
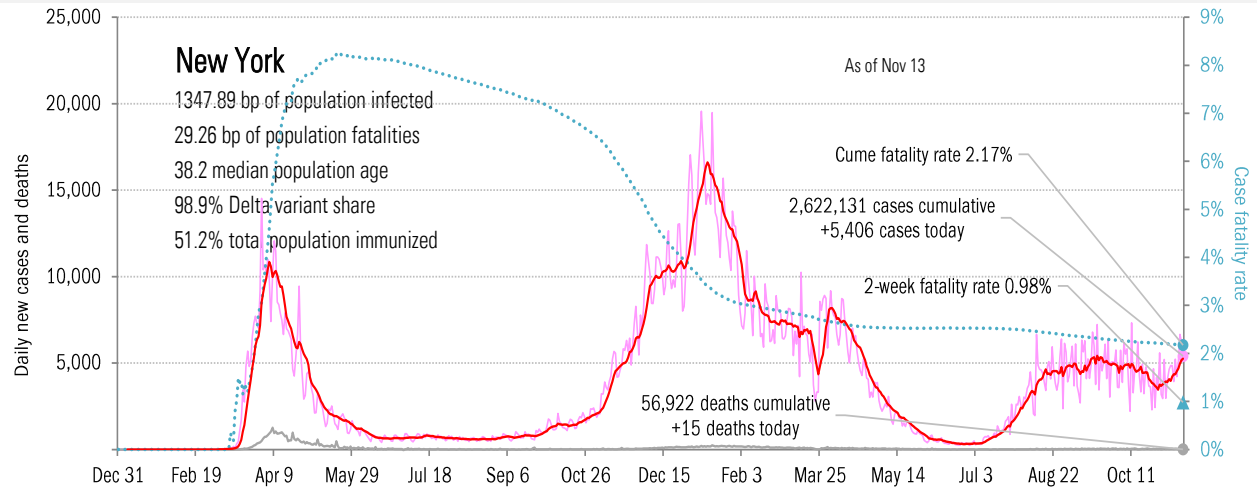
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

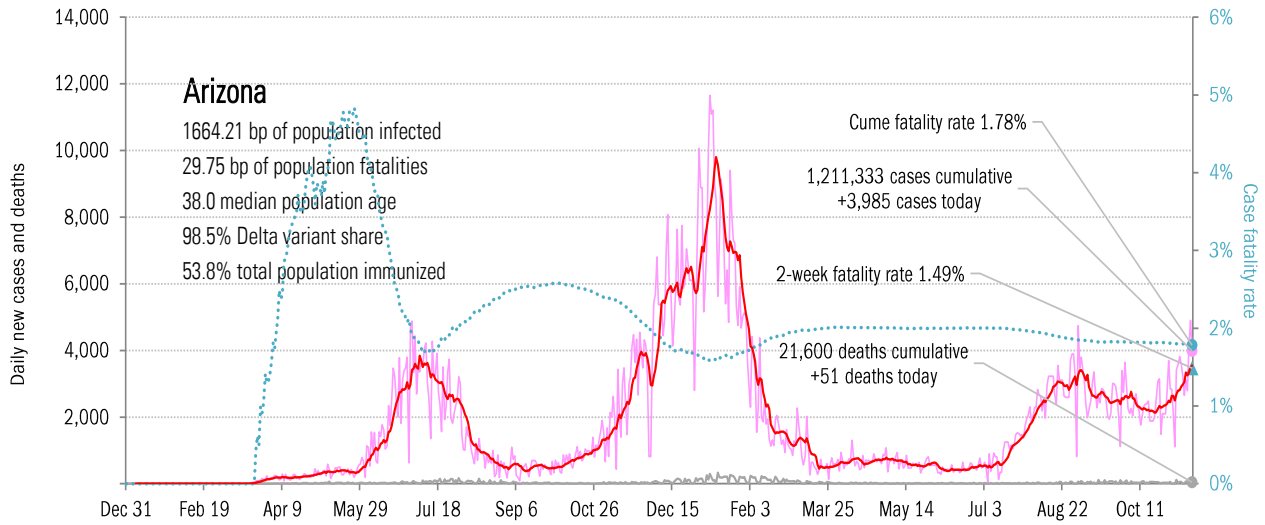
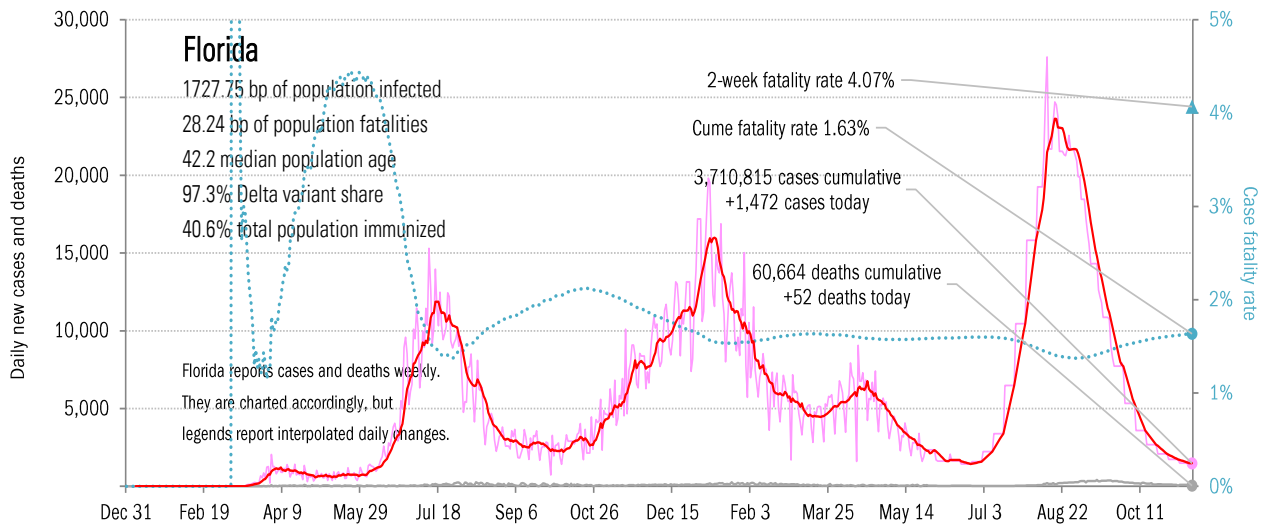
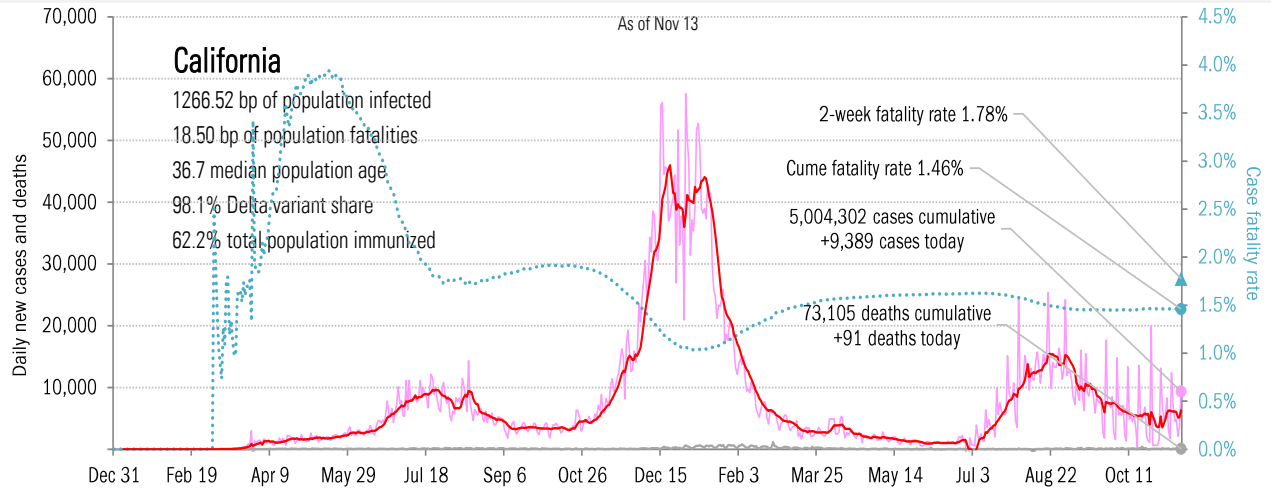
Cases: 7-day average and daily Deaths: Daily



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

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

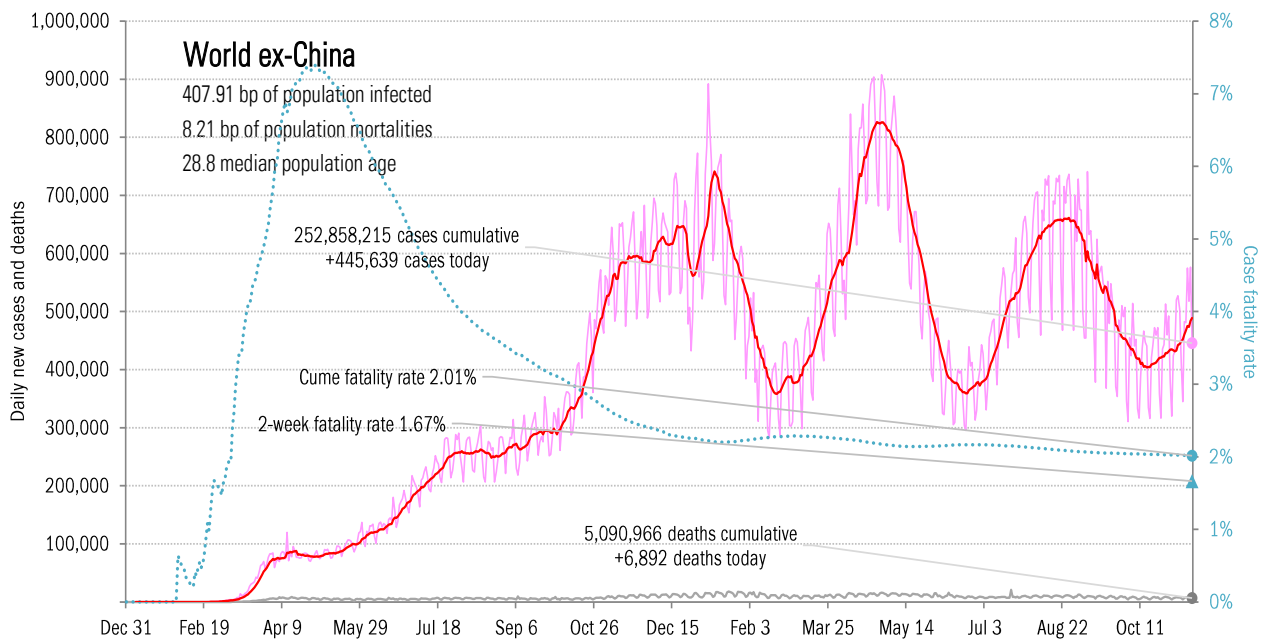
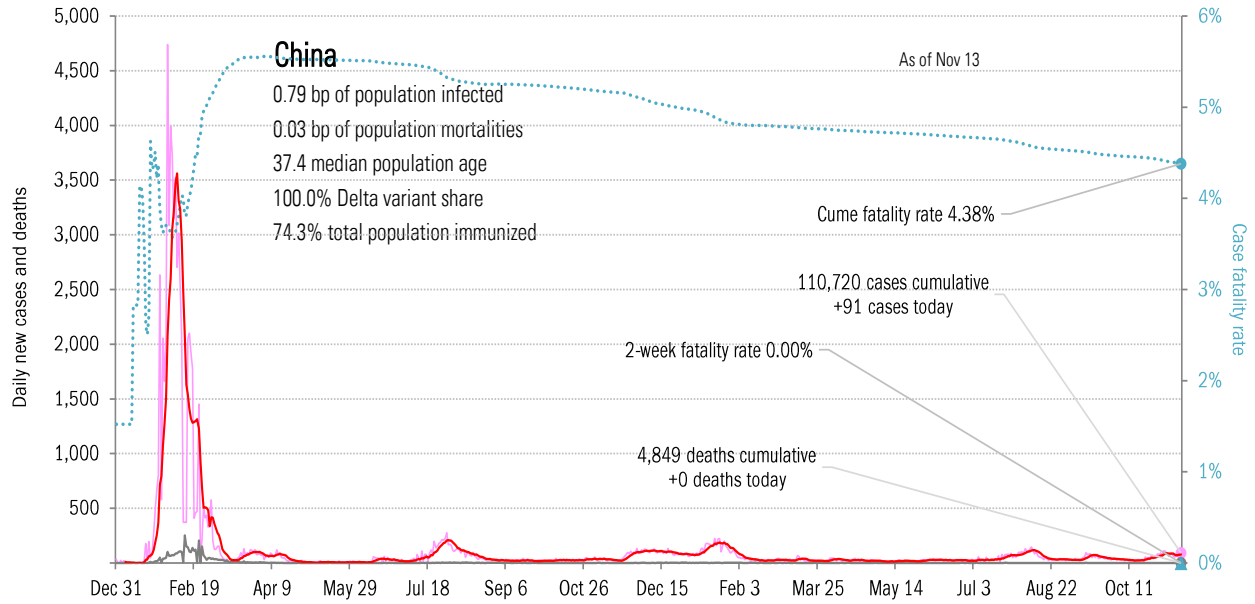
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

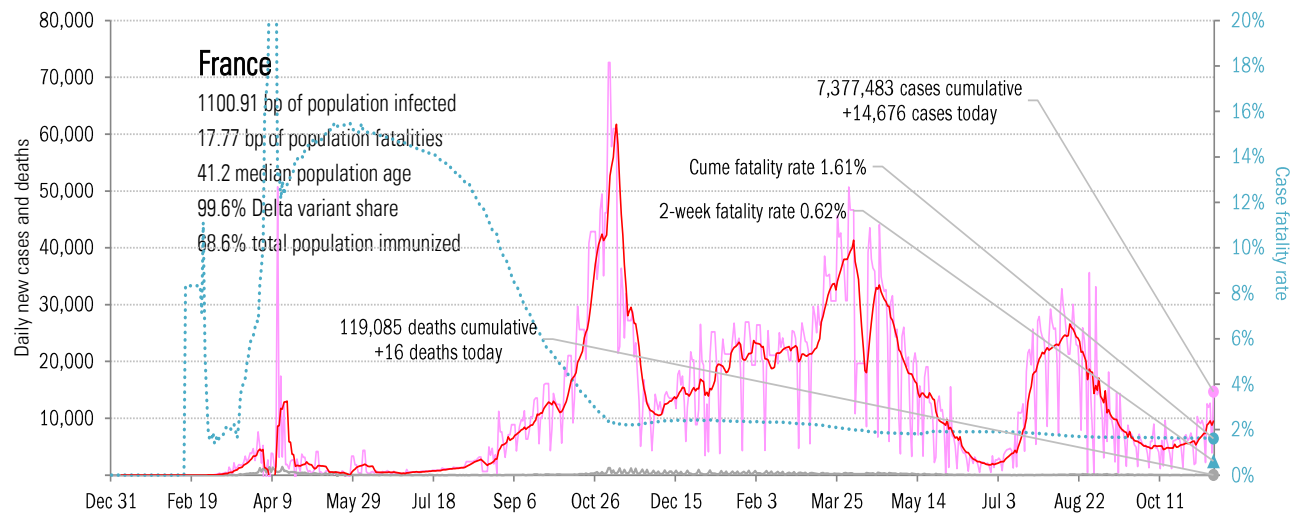
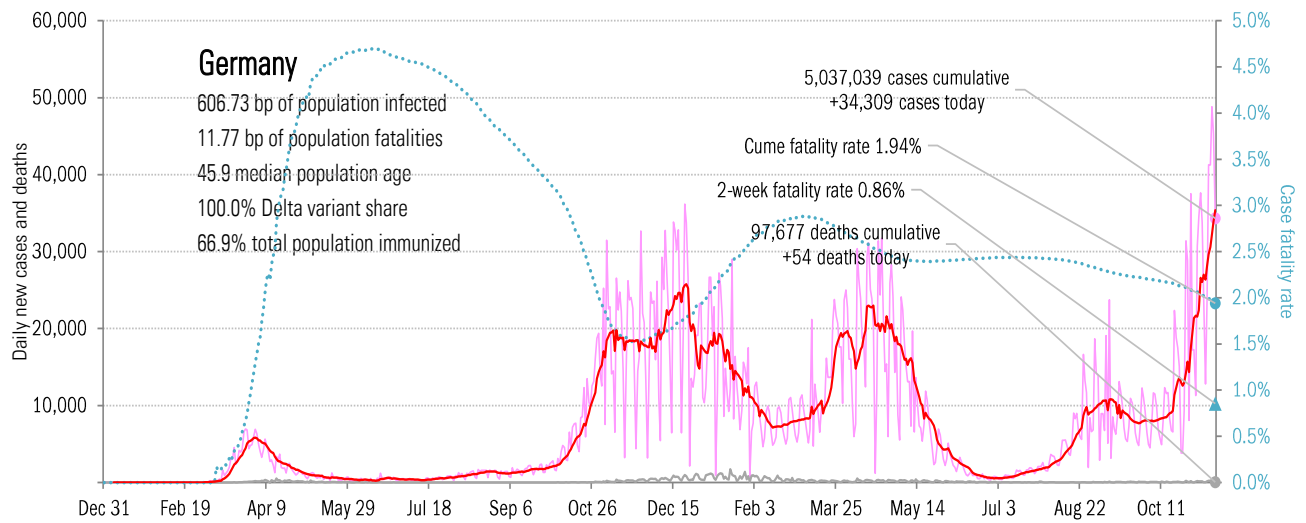
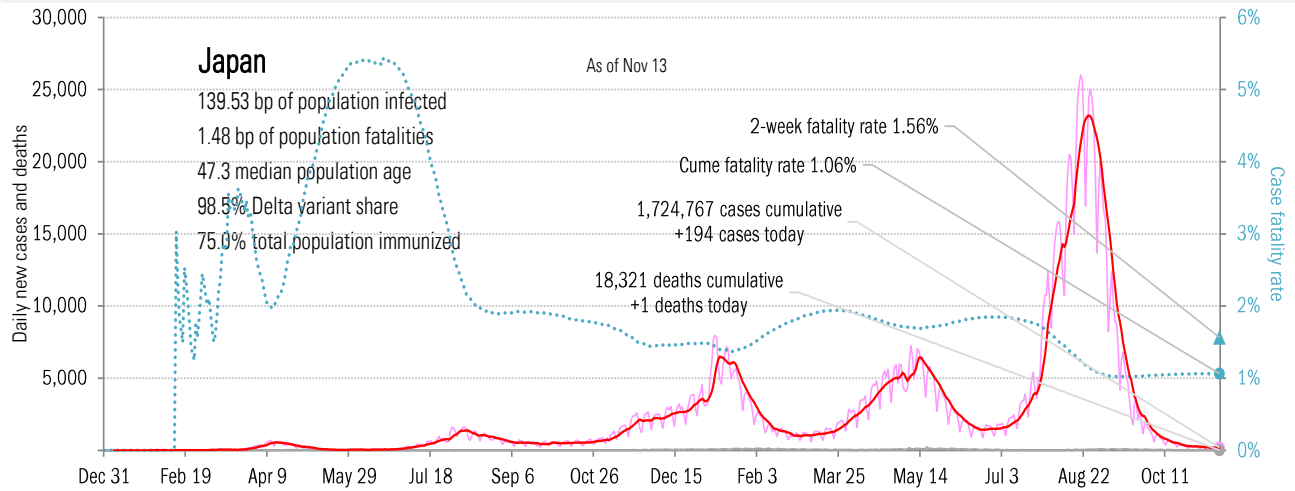
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

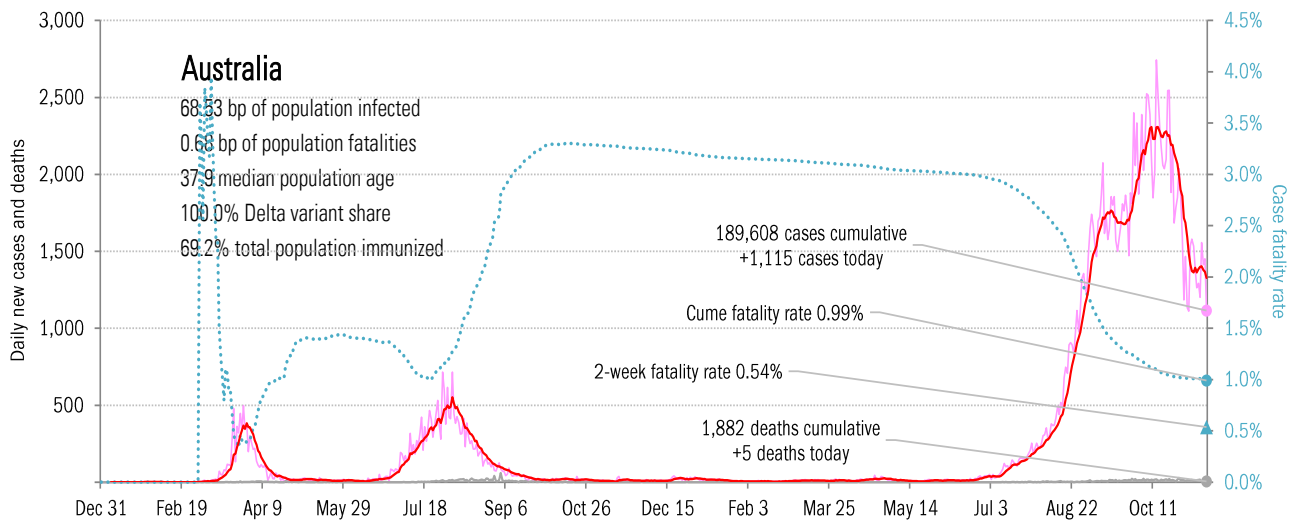
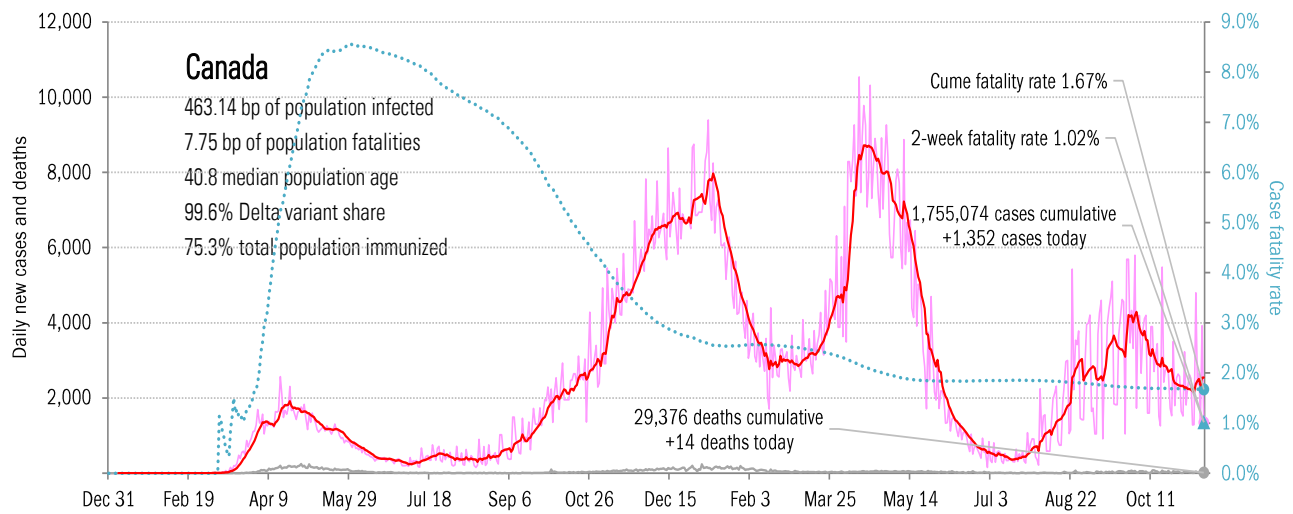
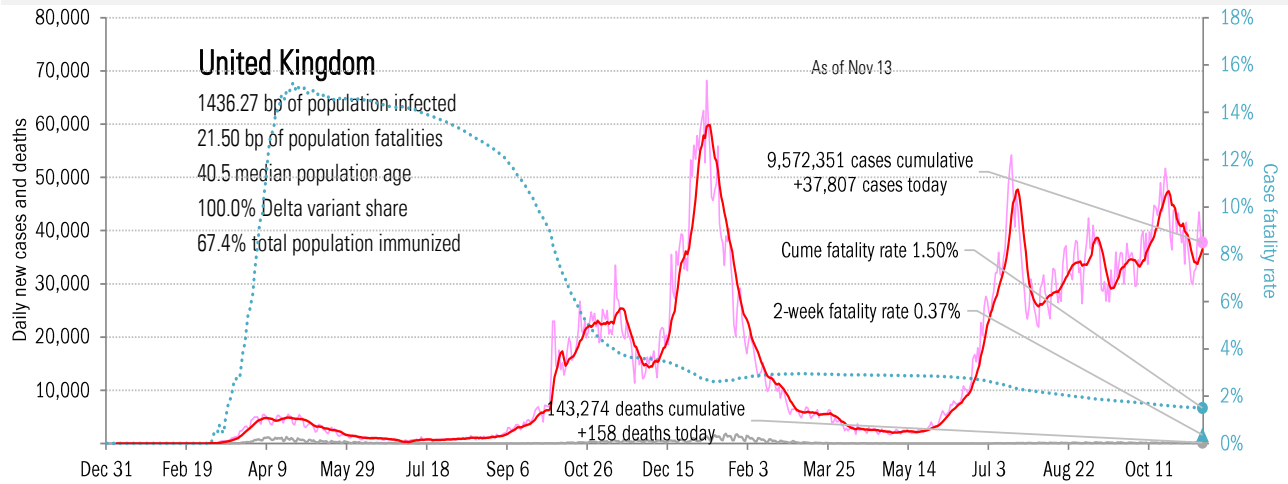
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

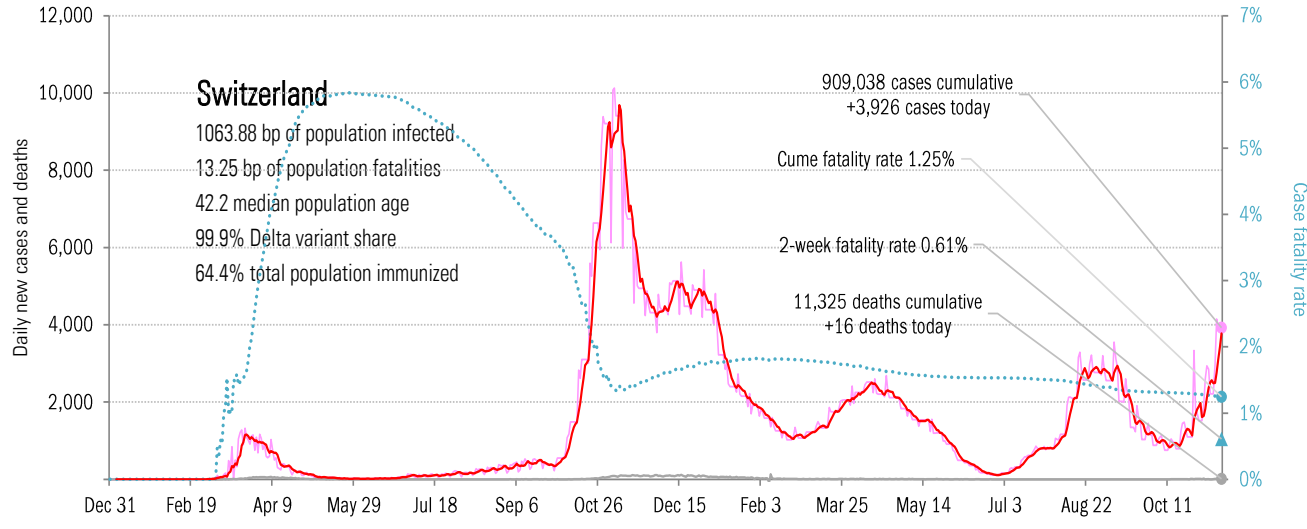
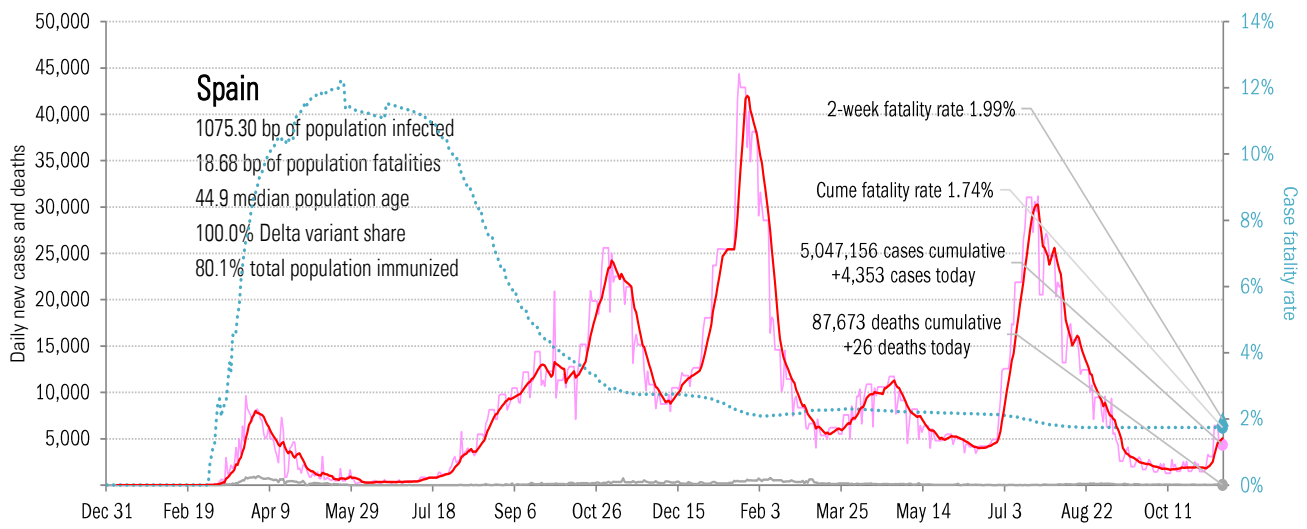
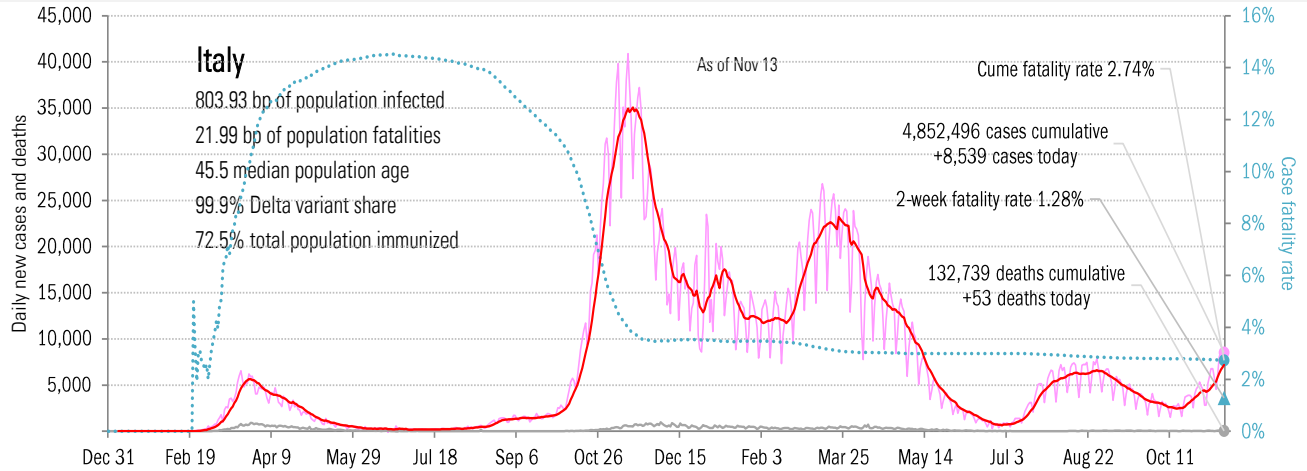
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

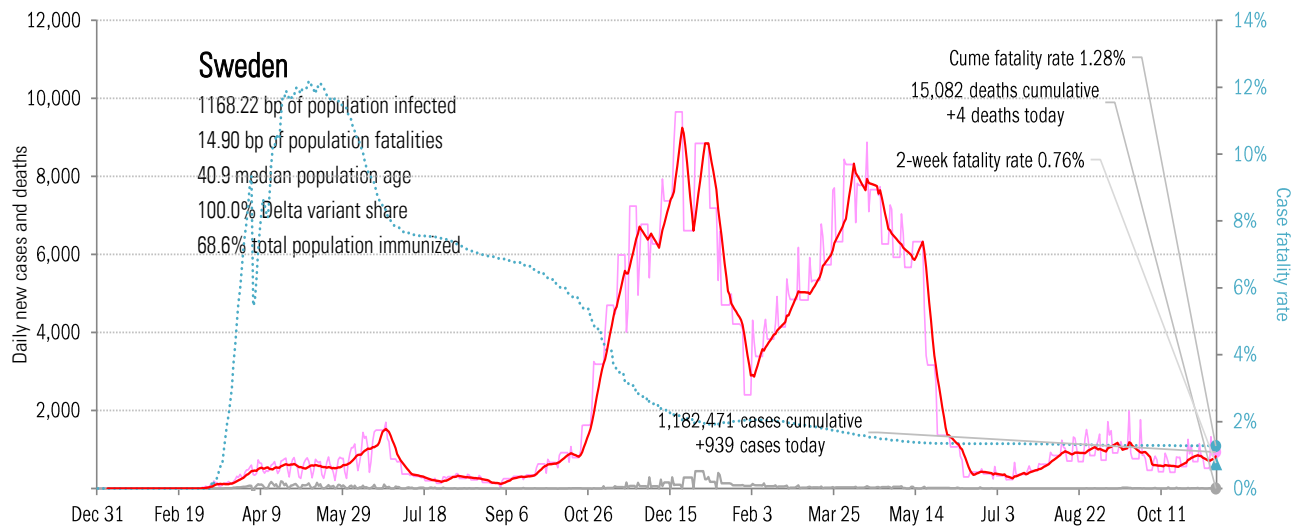
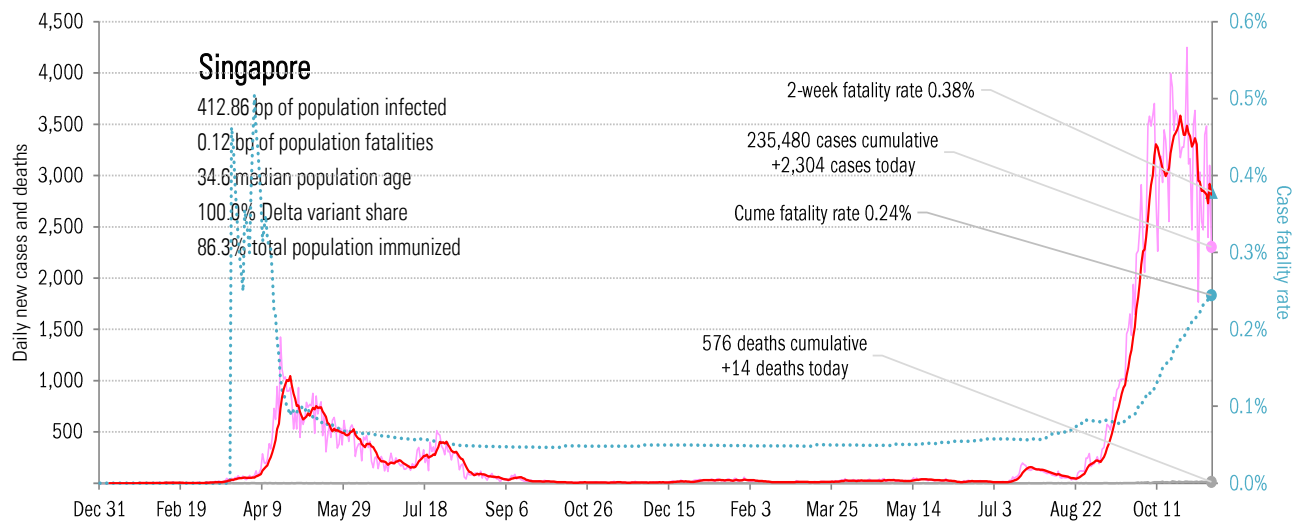
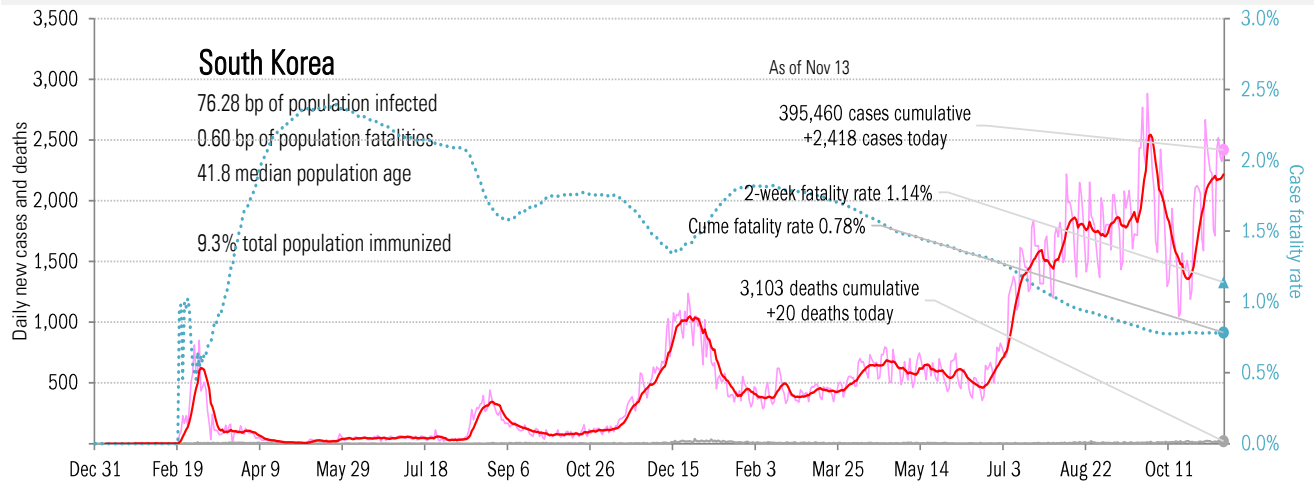
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

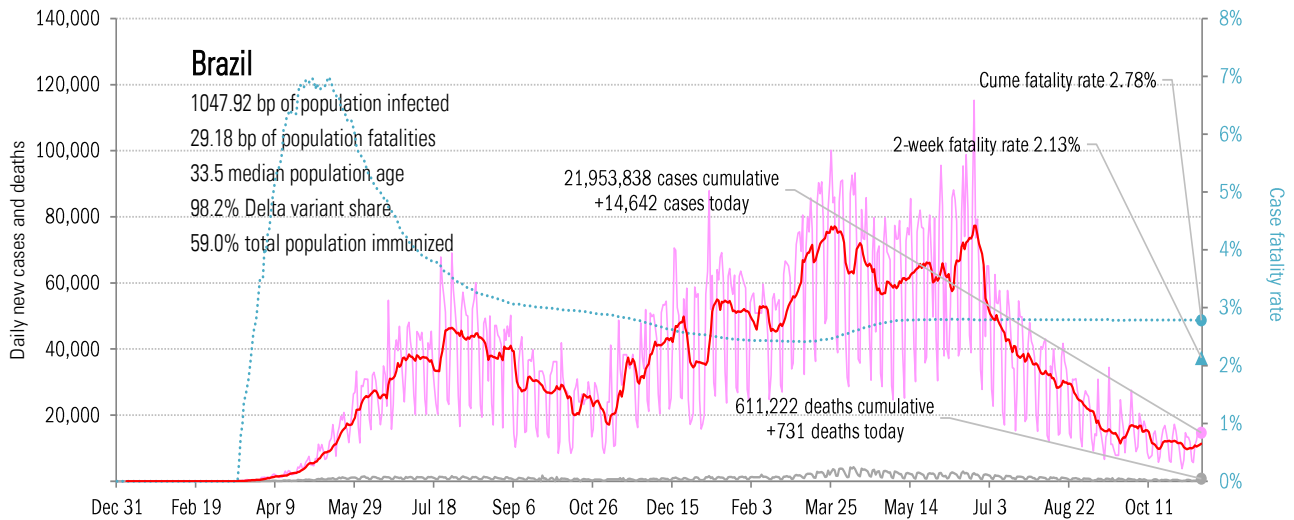
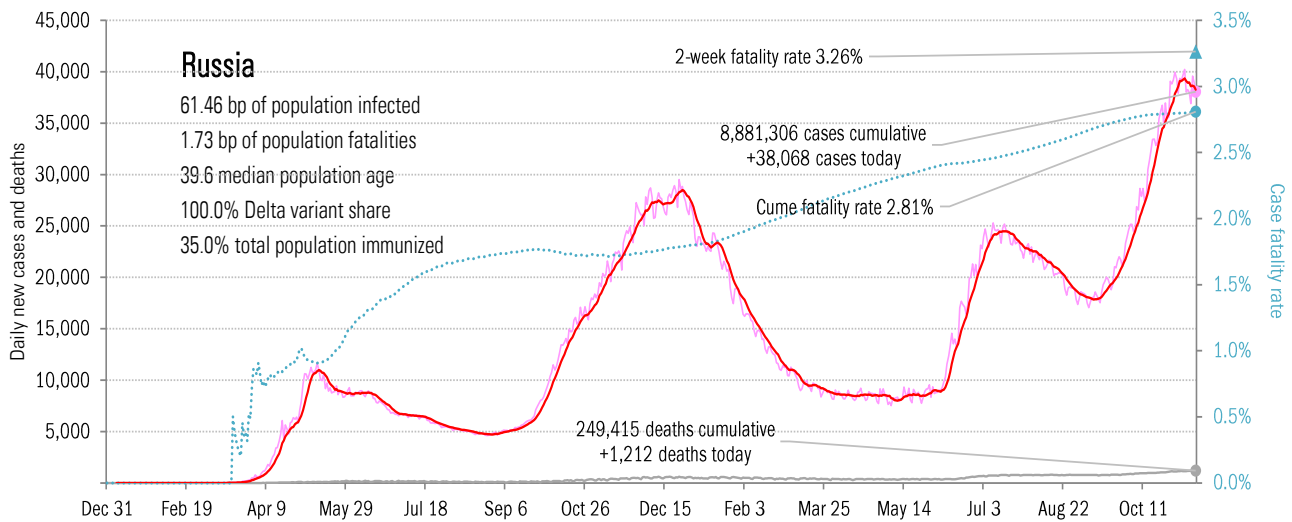
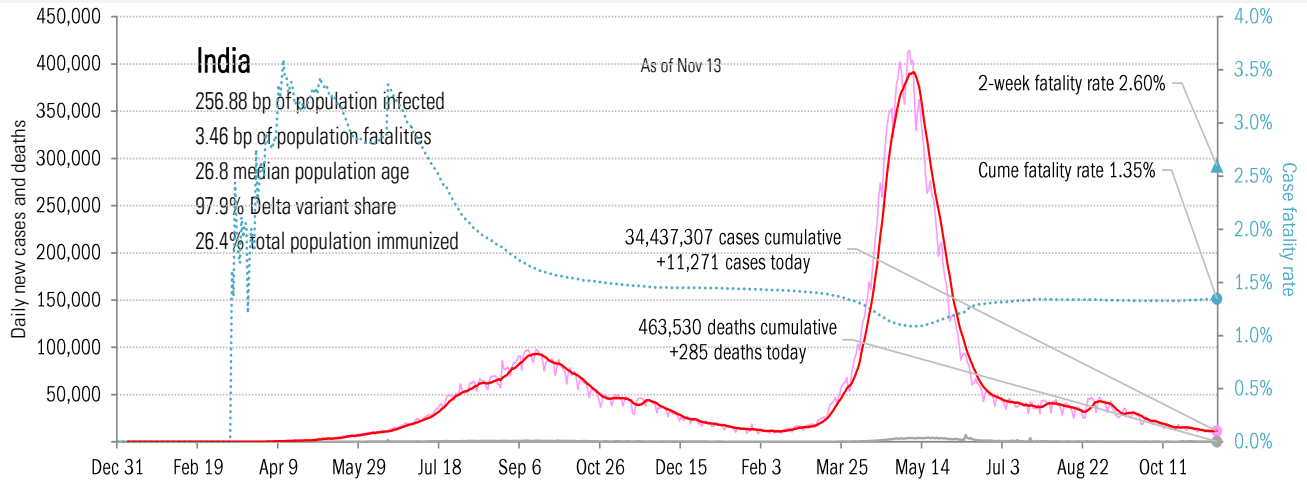
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

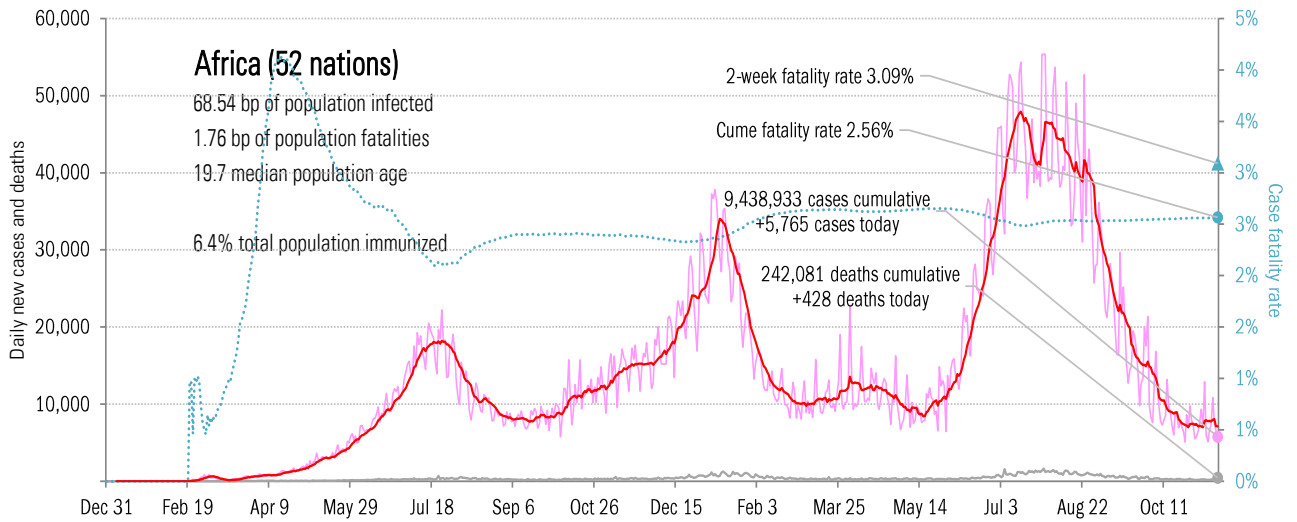
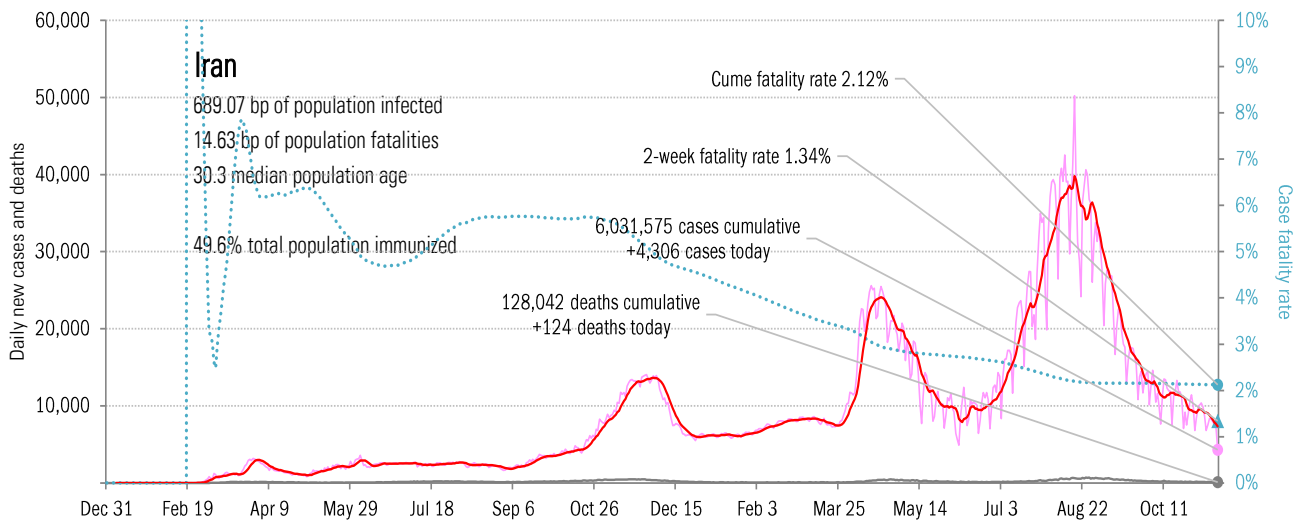
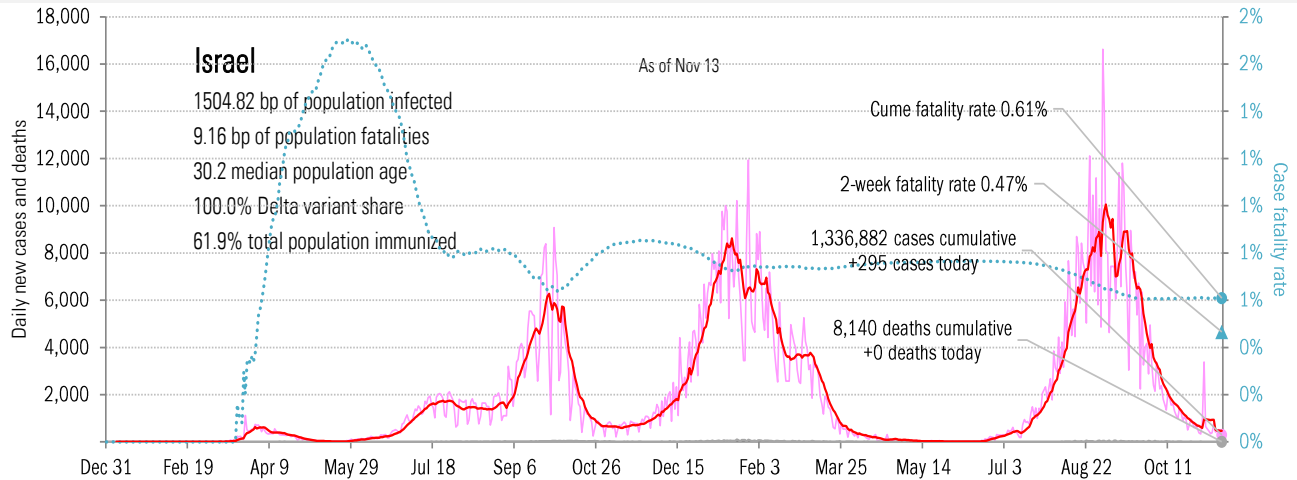
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

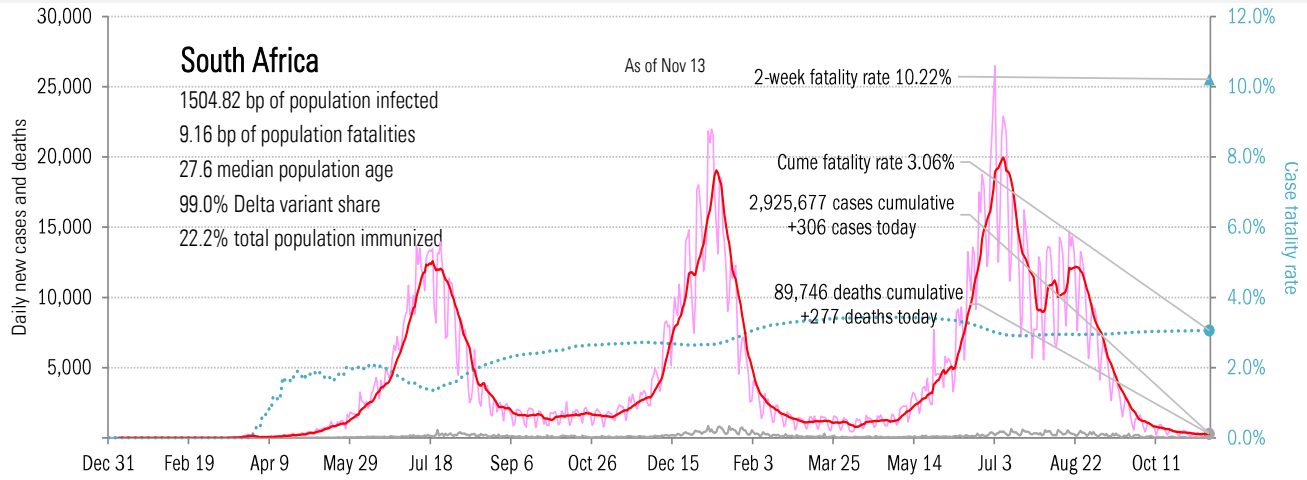
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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