

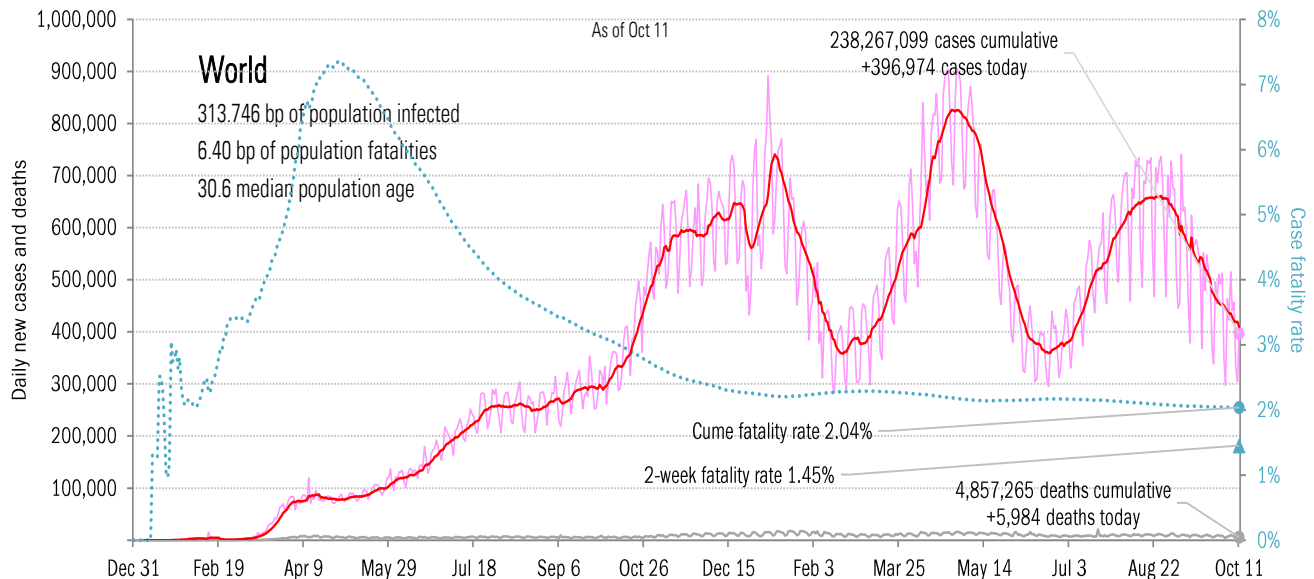
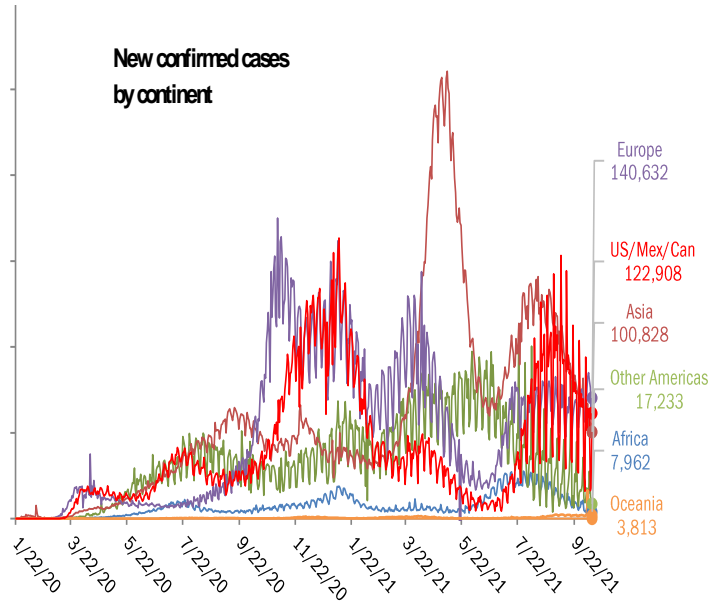
Data Insights: Covid-2019 Monitor

Tuesday, October 12, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+119,800	United States	+1,332
United Kingdom	+39,738	Russia	+946
Turkey	+30,563	Iran	+276
Russia	+28,636	Ukraine	+218
India	+14,313	Romania	+209
Iran	+13,504	Brazil	+202
Thailand	+10,035	Turkey	+188
Ukraine	+9,605	India	+181
Romania	+9,148	Bulgaria	+157
Philippines	+8,252	Mexico	+141
+283,594		+3,850	
World +396,974		World +5,984	
Top ten 71%		Top ten 64%	



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

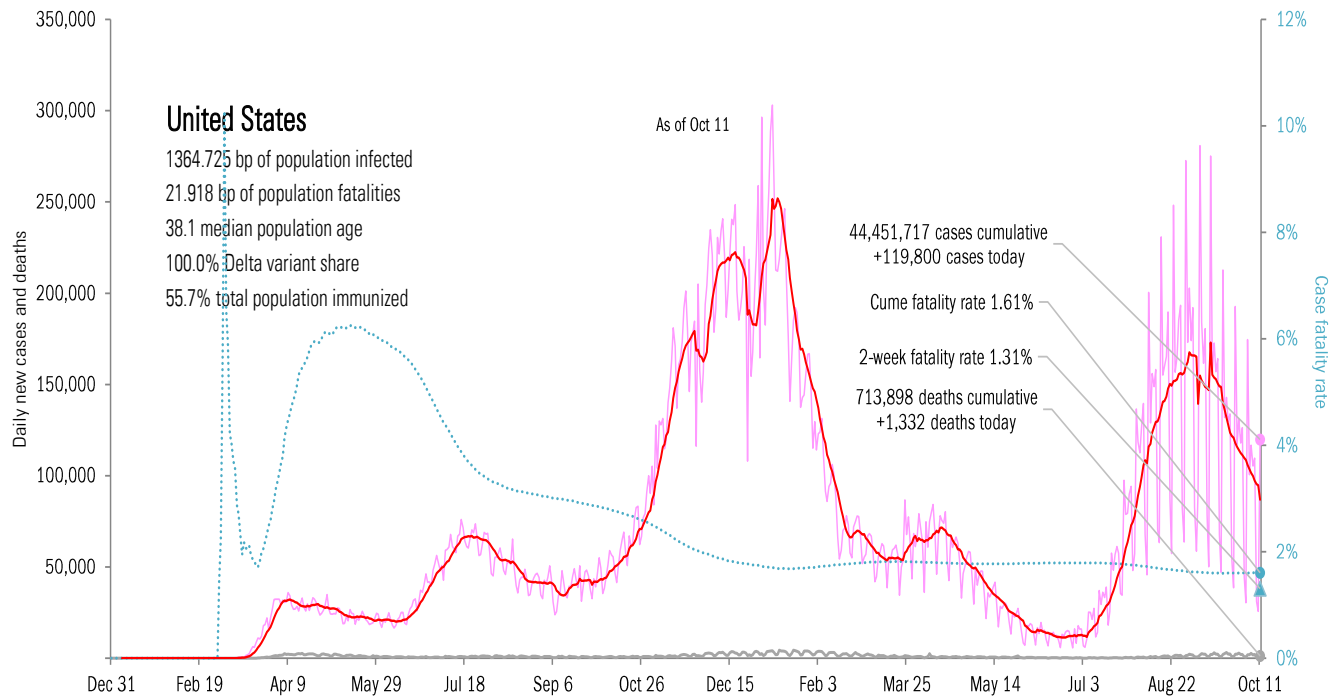
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	+13,190		CA	+156		CO	+56		CA	4,787,635		CA	70,150		TX	365,666		RI	84%	TX	91%
MI	+9,820		FL	+150		GA	+51		TX	4,135,512		TX	67,044		FL	312,720		MD	84%	MT	87%
NC	+9,489		AR	+134		MI	+48		FL	3,641,058		FL	56,510		CA	301,626		MA	84%	AL	87%
NY	+7,325		SC	+105		CA	+30		NY	2,480,082		NY	55,749		NY	158,585		NV	83%	NM	87%
WA	+6,537		NC	+103		MN	+24		IL	1,650,108		PA	29,907		GA	155,524		PA	83%	ID	86%
CO	+5,884		KY	+97		IL	+21		GA	1,602,667		IL	27,657		CH	116,363		GA	83%	GA	86%
TX	+5,817		IN	+80		WY	+19		PA	1,481,015		NJ	27,603		PA	110,040		MN	82%	NV	85%
WI	+5,753		TX	+56		ID	+18		CH	1,470,267		GA	27,142		KY	108,595		WA	81%	DE	84%
SC	+4,999		NY	+51		WI	+18		NC	1,434,551		CH	22,819		IL	101,843		CT	81%	PA	84%
OK	+4,919		WI	+48		AZ	+14		TN	1,253,863		MI	22,738		MI	86,183		MI	79%	RI	84%
+73,733			+980			+299			23,936,758			407,319			1,817,145						
All states	+119,800			+1,332			-206		All states	44,451,717			713,898			3,235,368		All states	70%		67%
Top ten	62%			74%			-145%		Top ten	54%			57%			56%		Median	75%		78%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CH	-2,463	AR	-33	NY	-84	GA	+30 bp
PA	-1,005	AZ	-32	NV	-81	UT	+20 bp
MD	-524	MD	-3	IA	-34	MI	+20 bp
NJ	-479	NJ	-1	NJ	-32	RI	+20 bp
AZ	-422	PR	-1	SD	-26	WV	+10 bp



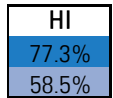
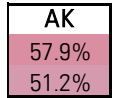
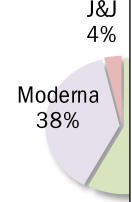
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	413,077,840	+0.000 million	115	55.7%	64.5%

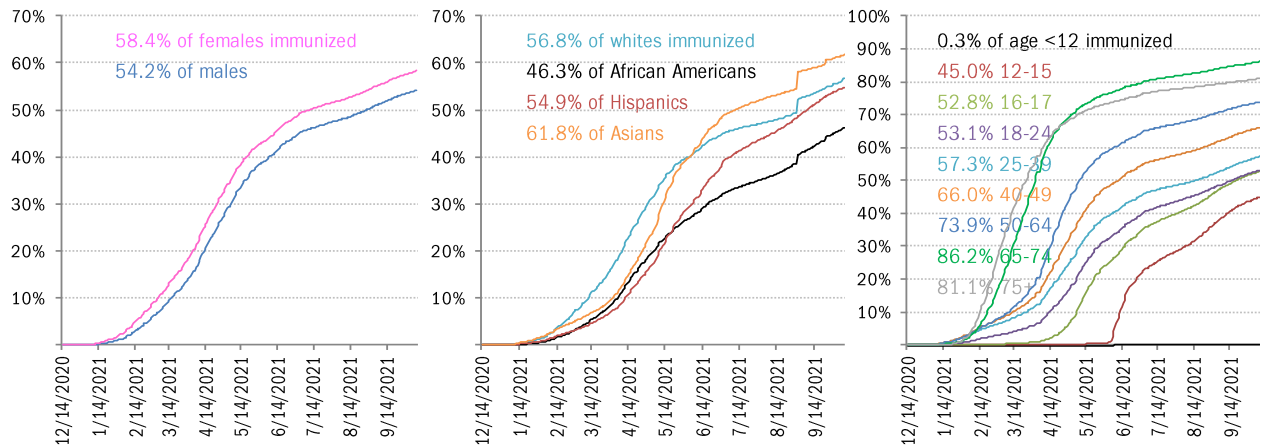
CDC vaccination data was suspended for Columbus Day, and was supposed to be updated this morning. However the agency failed to do it. Hopefully updates will be restored tomorrow.

Total population
Age 12 to 17
Age 18 to 64
Age 65 and over



- 1%
- 8%
- 8%
- 9%
- 8%
- 7%
- 4%
- 9%
- 9%
- 3%
- 1%
- 1%
- 2%

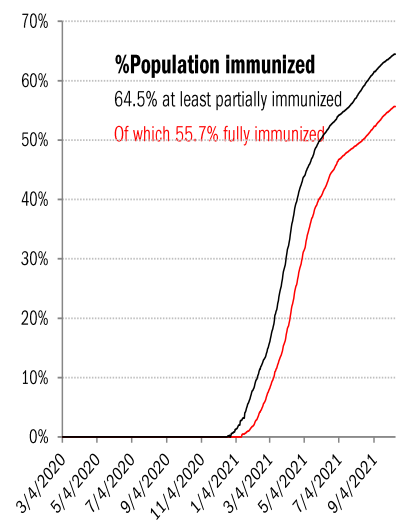
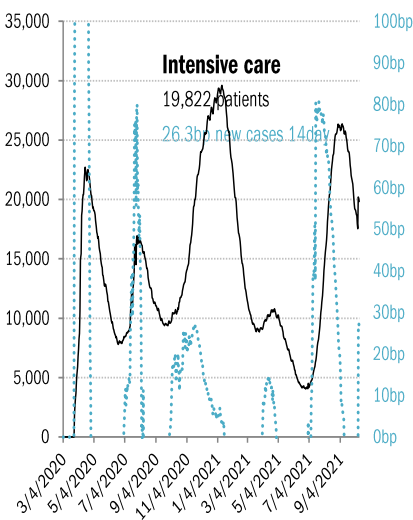
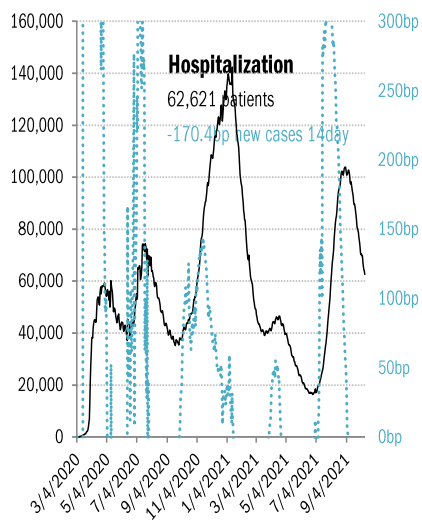
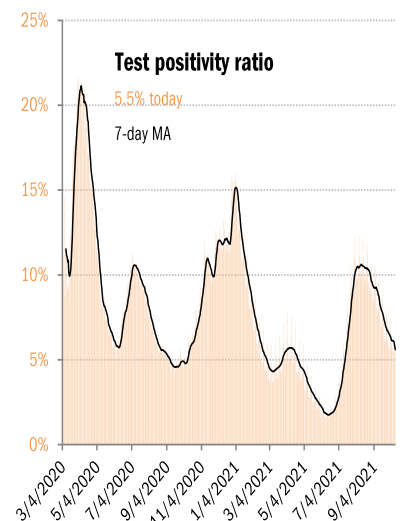
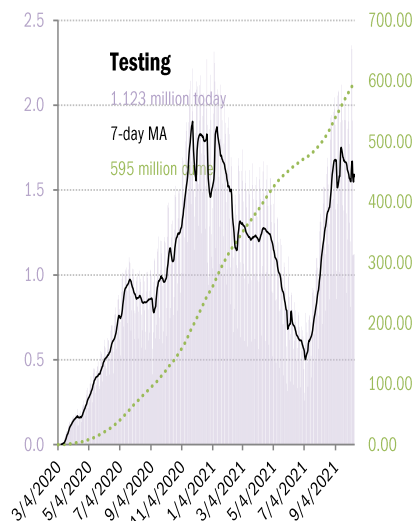
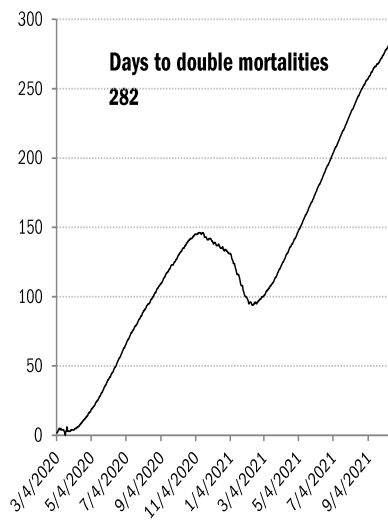
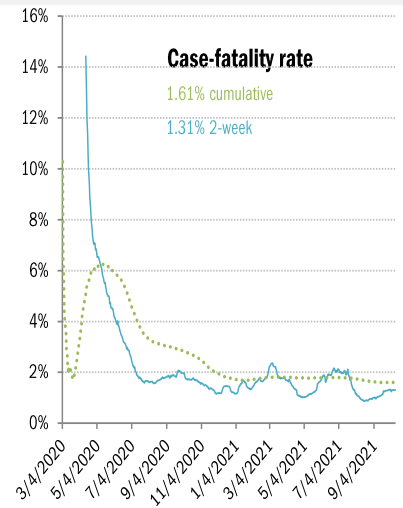
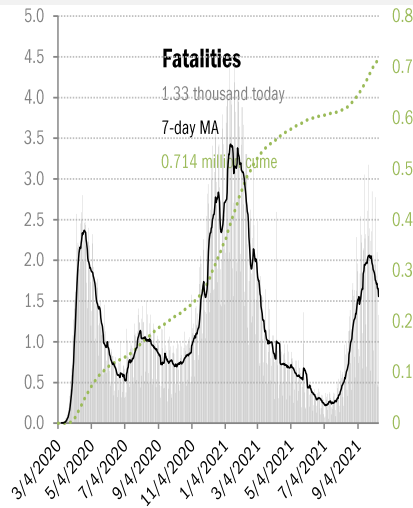
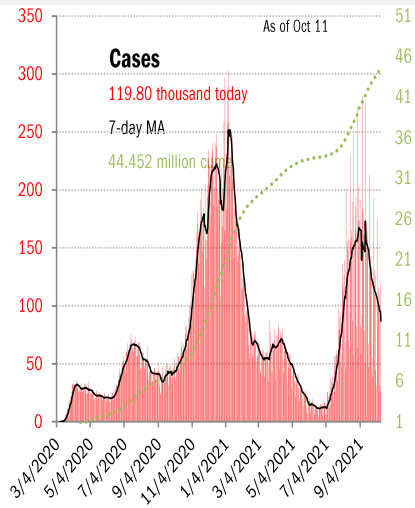
The demographics of US vaccination



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

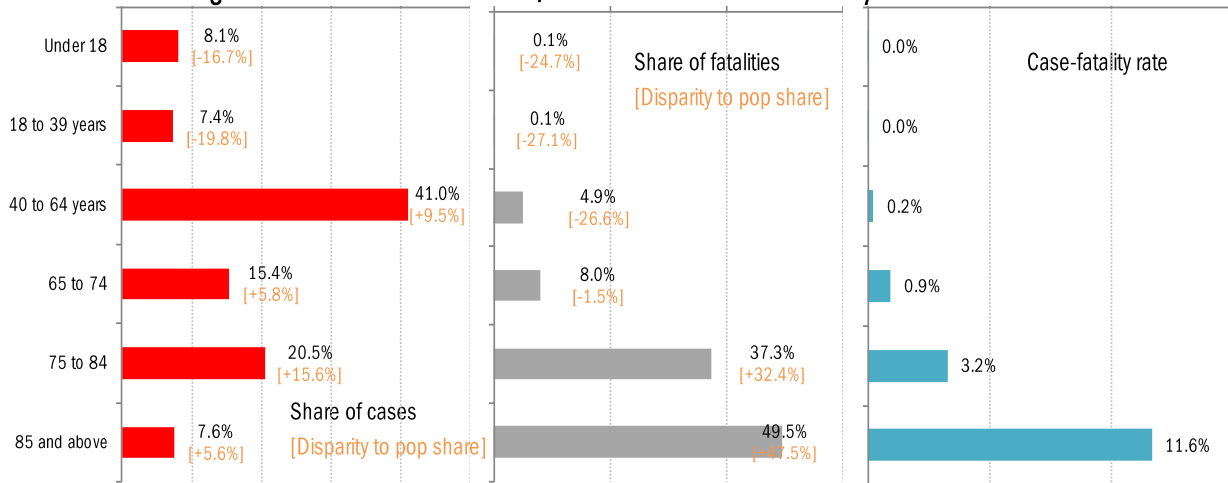
US deep-dive

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

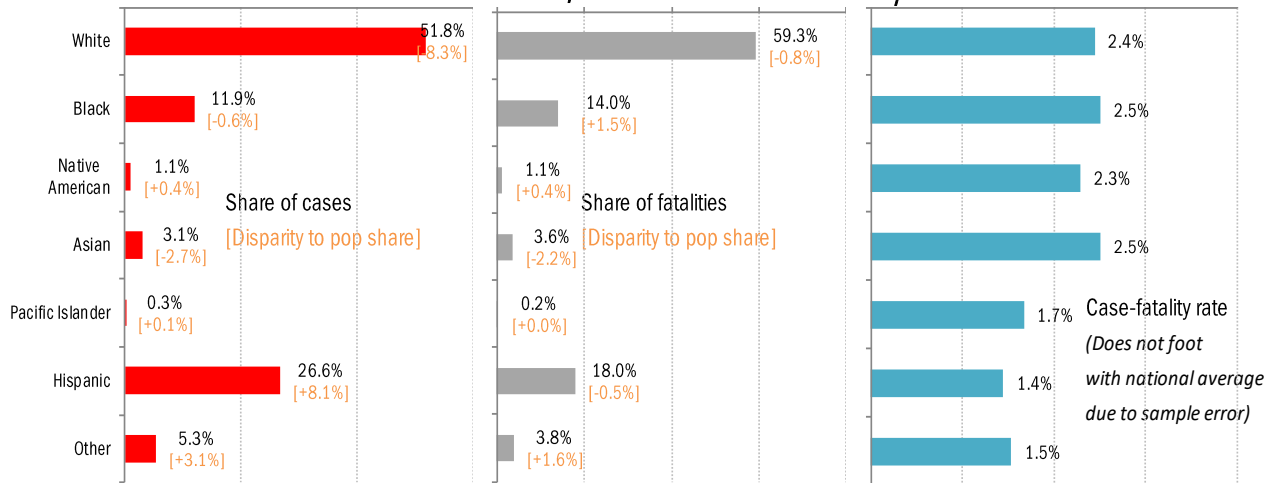


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

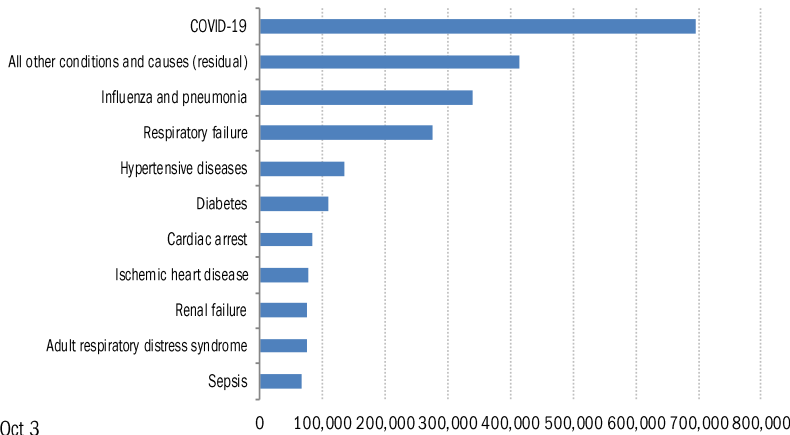


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Pfizer-BioNTech Covid-19 Vaccine Is World's Preferred Shot](#)

Jared S. Hopkins and Alice Uribe
Wall Street Journal
October 11, 2021

[Boosters Are Complicating Efforts to Persuade the Unvaccinated to Get Shots](#)

Jan Hoffman
New York Times
October 11, 2021

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

Allysia Finley
Wall Street Journal
October 10, 2021

Meme of the day ([not a joke: an actual correction](#))

The New York Times

A New Vaccine Strategy for Children: Just One Dose, for Now

Correction: Oct. 7, 2021

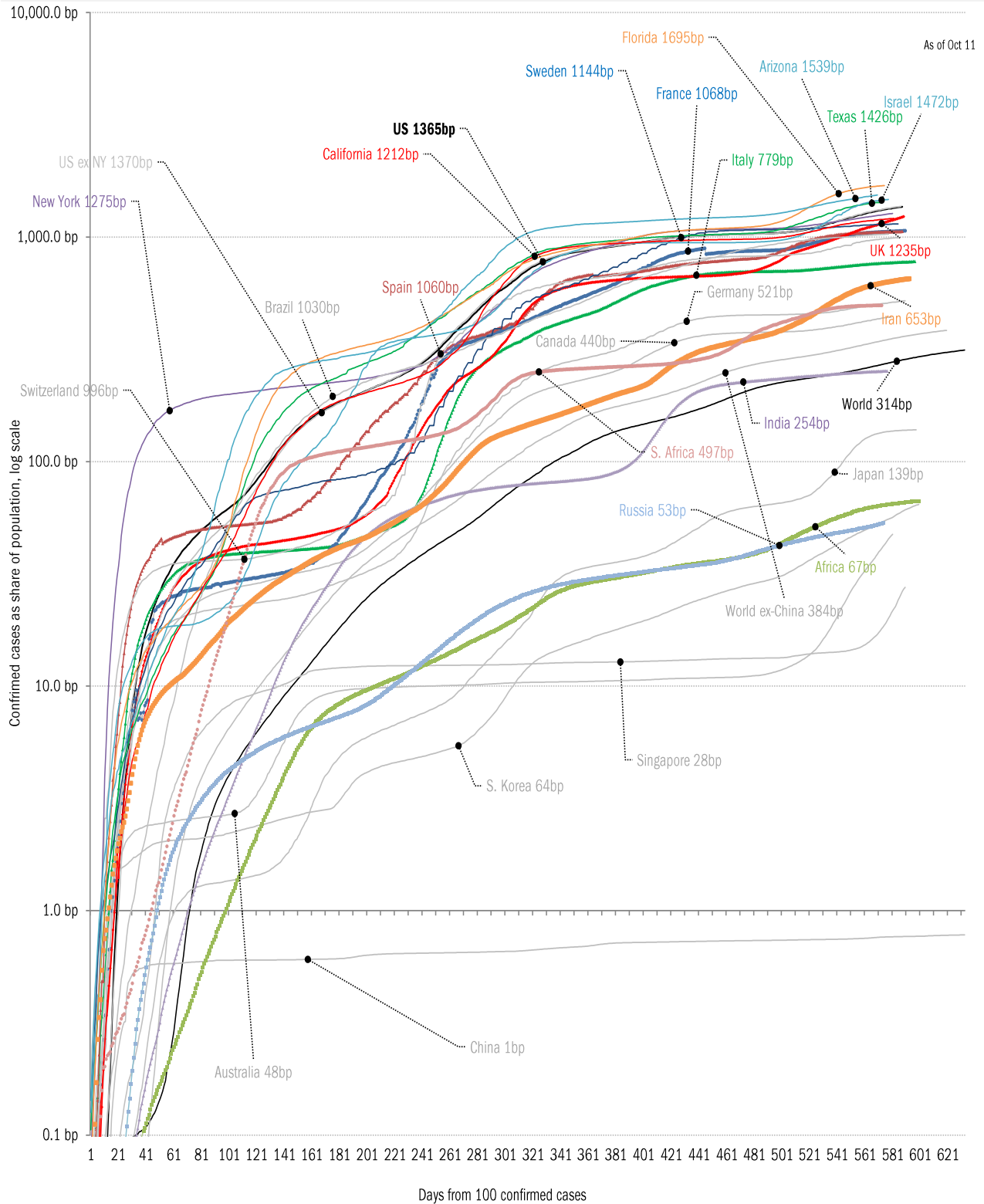
An earlier version of this article incorrectly described actions taken by regulators in Sweden and Denmark. They have halted use of the Moderna vaccine in children; they have not begun offering single doses. The article also misstated the number of Covid hospitalizations in U.S. children. It is more than 63,000 from August 2020 to October 2021, not 900,000 since the beginning of the pandemic. In addition, the article misstated the timing of an F.D.A. meeting on authorization of the Pfizer-BioNTech vaccine for children. It is later this month, not next week.

Apoorva Mandavilli is a reporter focusing on science and global health. She is the 2019 winner of the Victor Cohn Prize for Excellence in Medical Science Reporting.

[@apoorva_nyc](#)

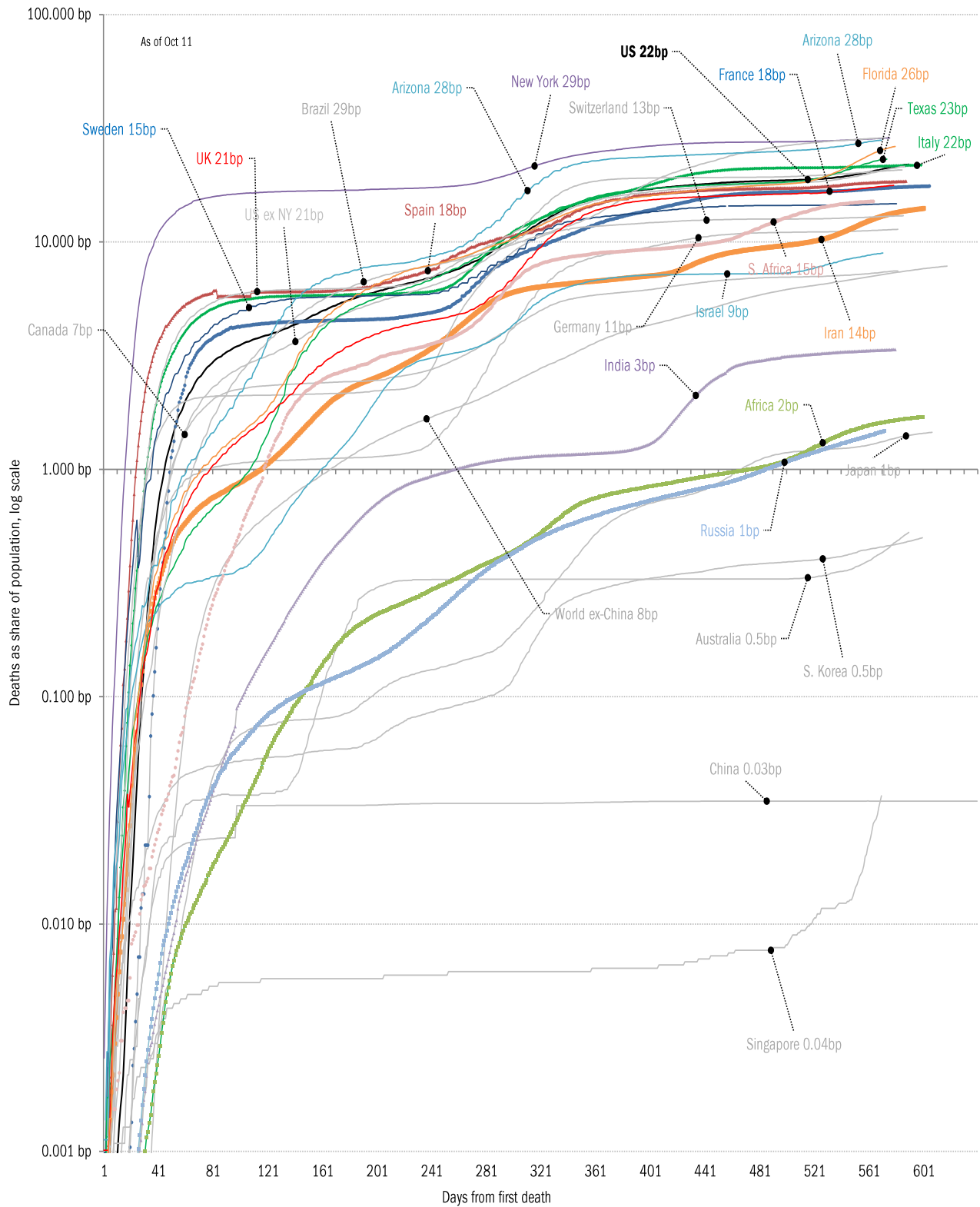
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

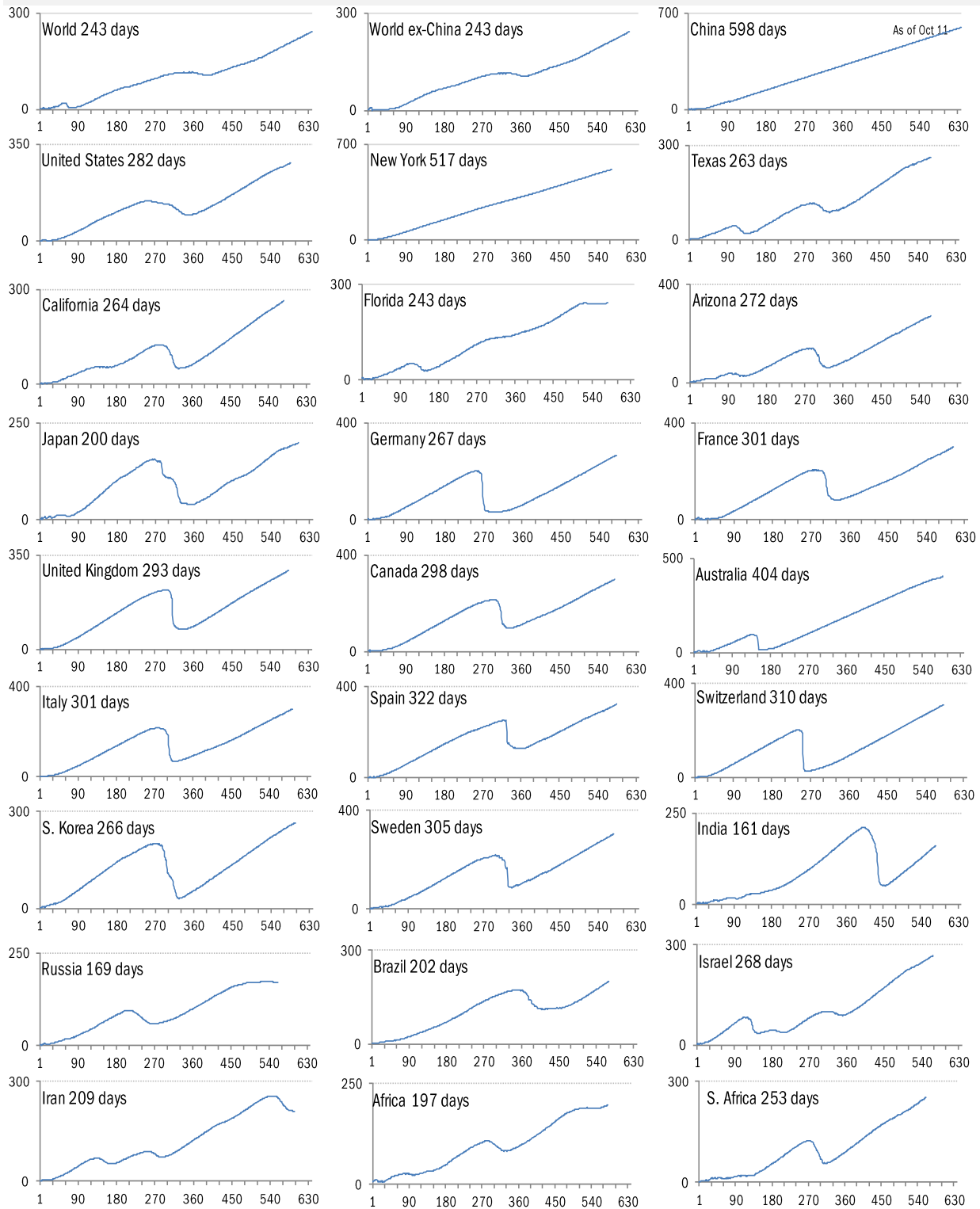


Source: [Johns Hopkins](#), TrendMacro calculations

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

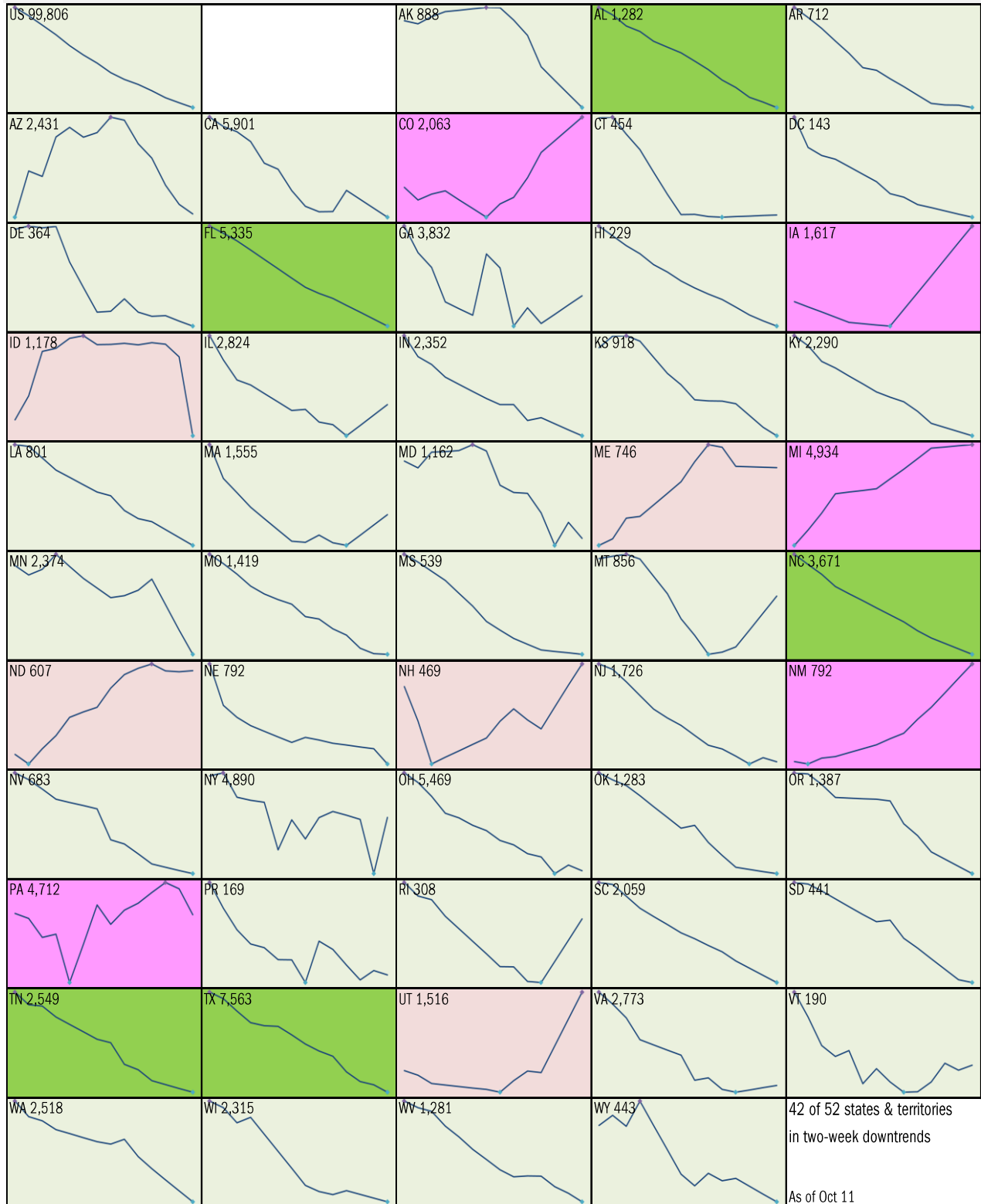
Vertical: days to double deaths Horizontal: days from first death

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

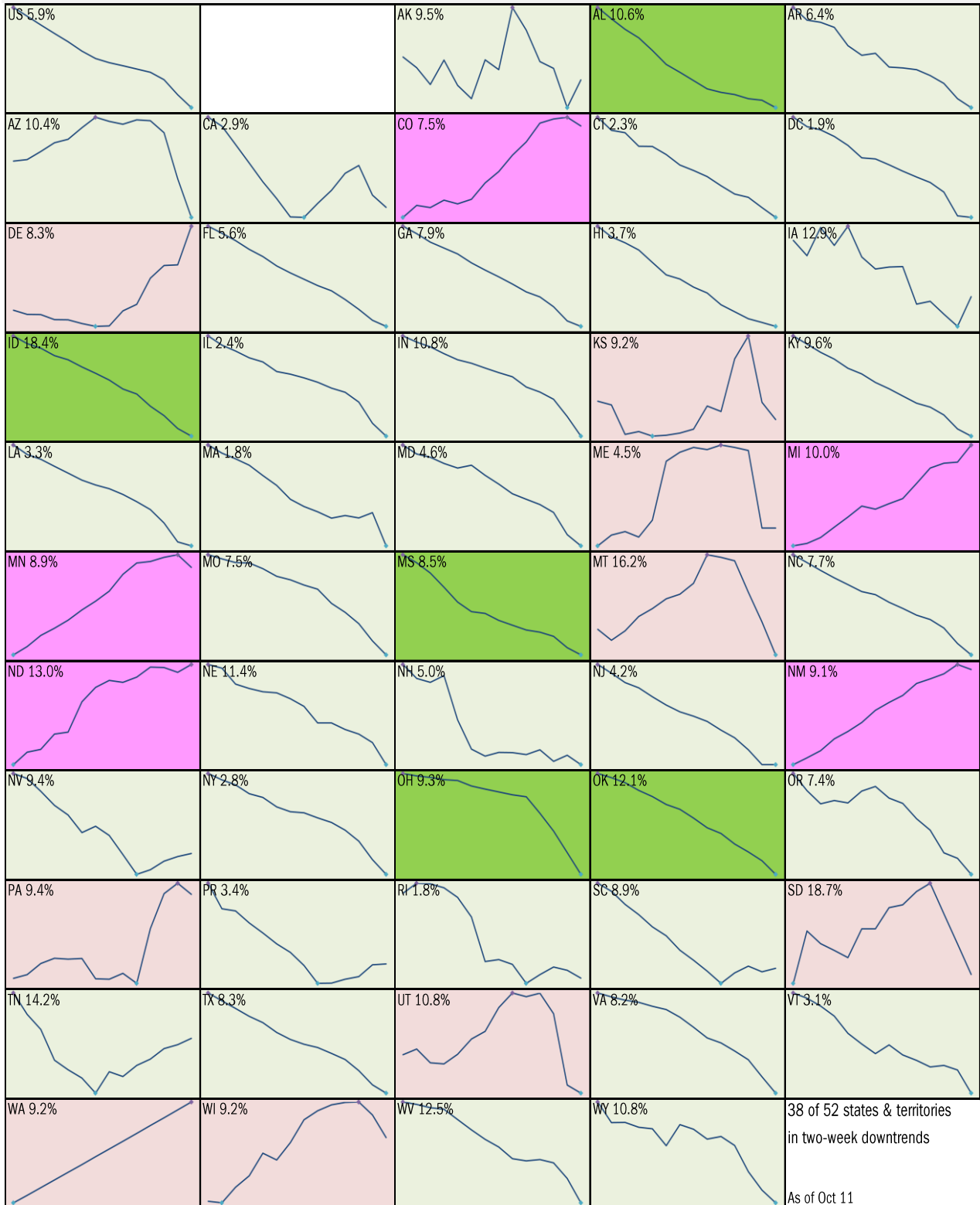


Source: [Johns Hopkins](#), TrendMacro calculations

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

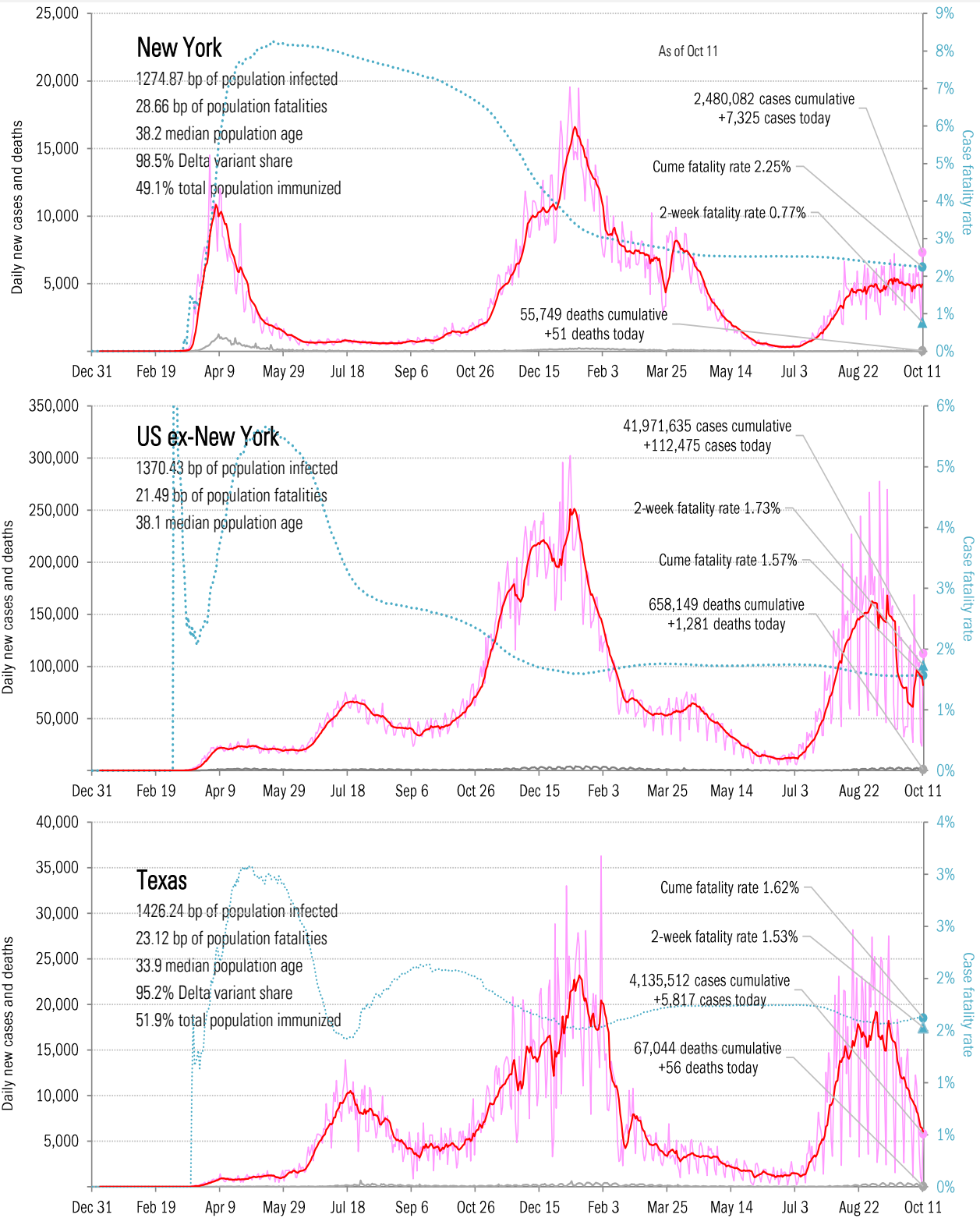
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

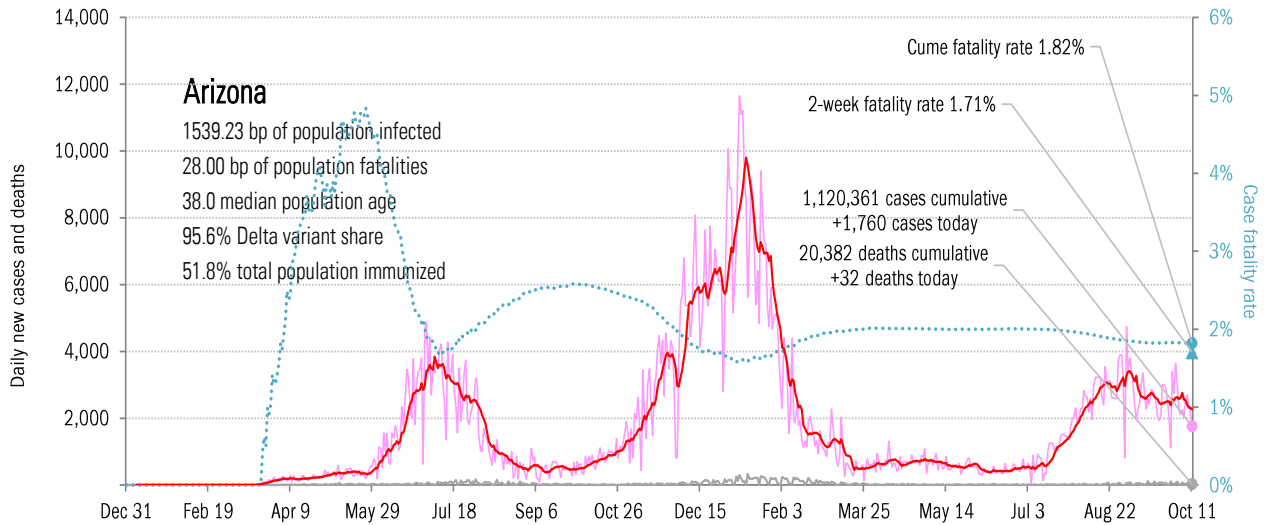
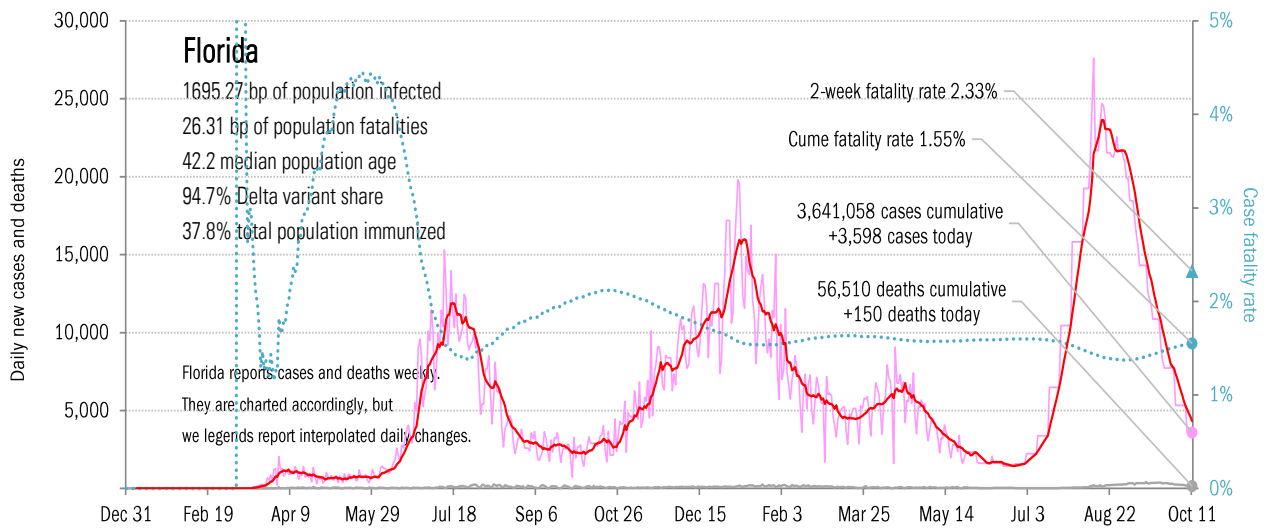
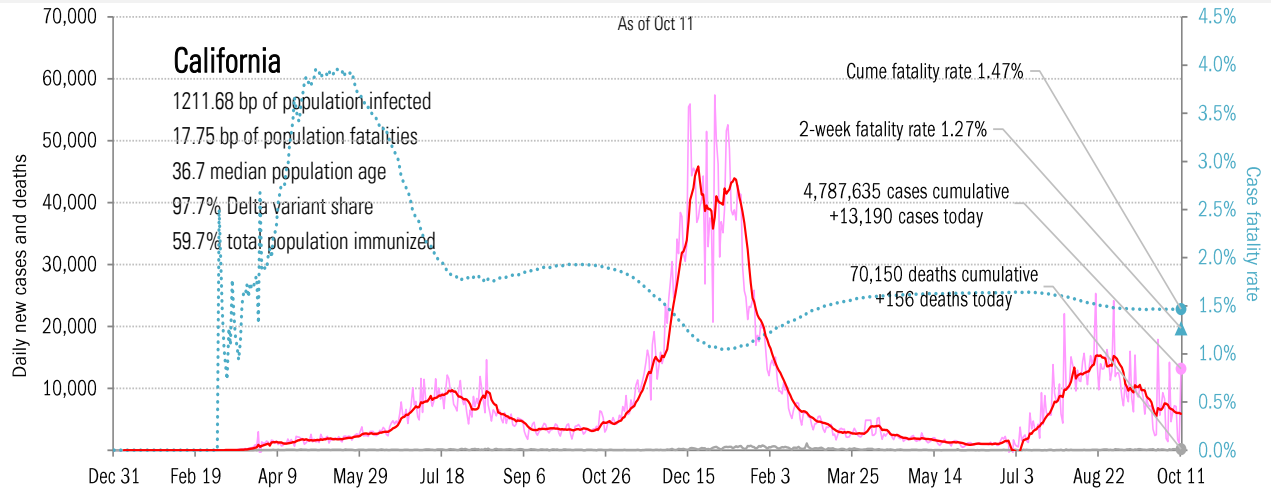
Cases: 7-day average and daily Deaths: Daily



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

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

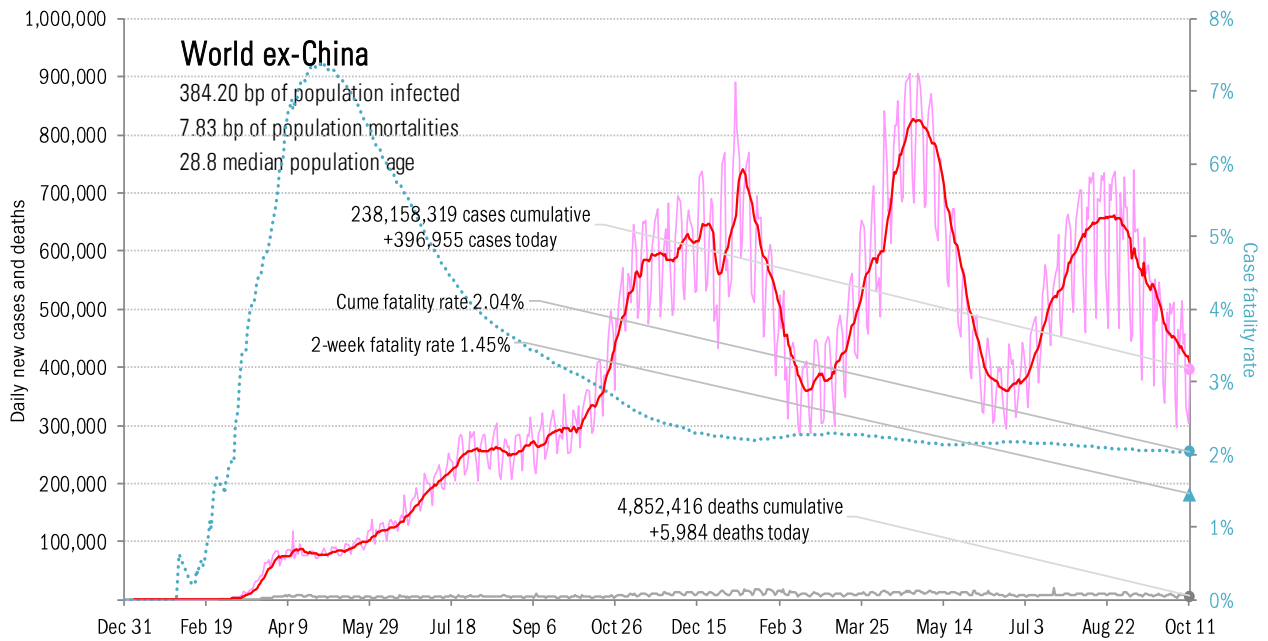
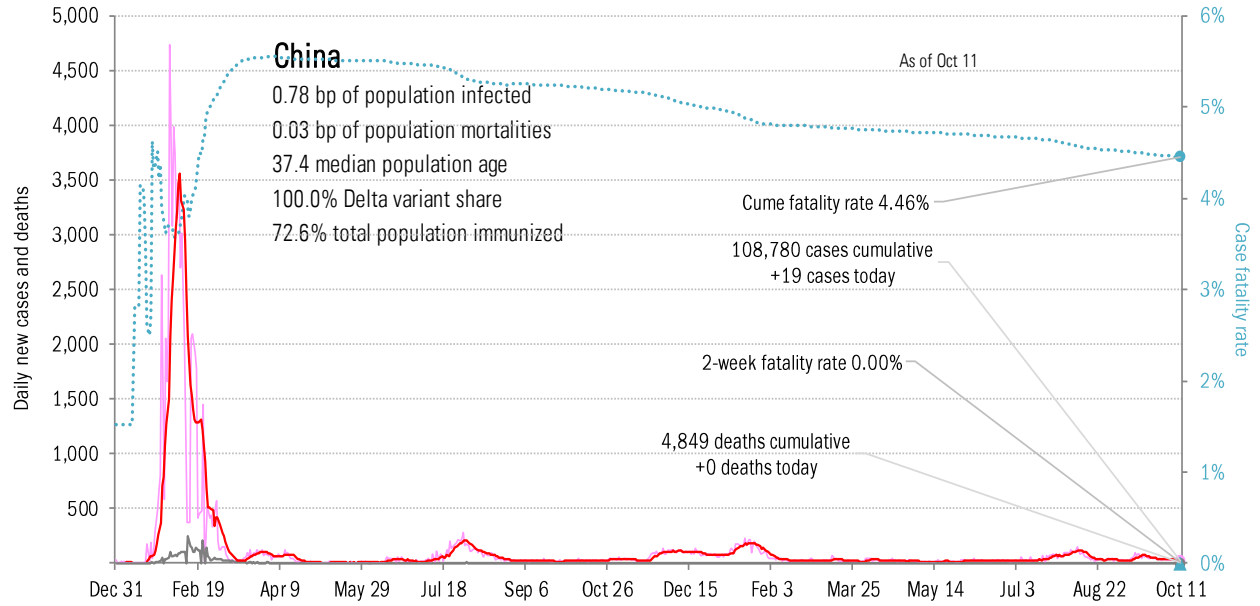
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

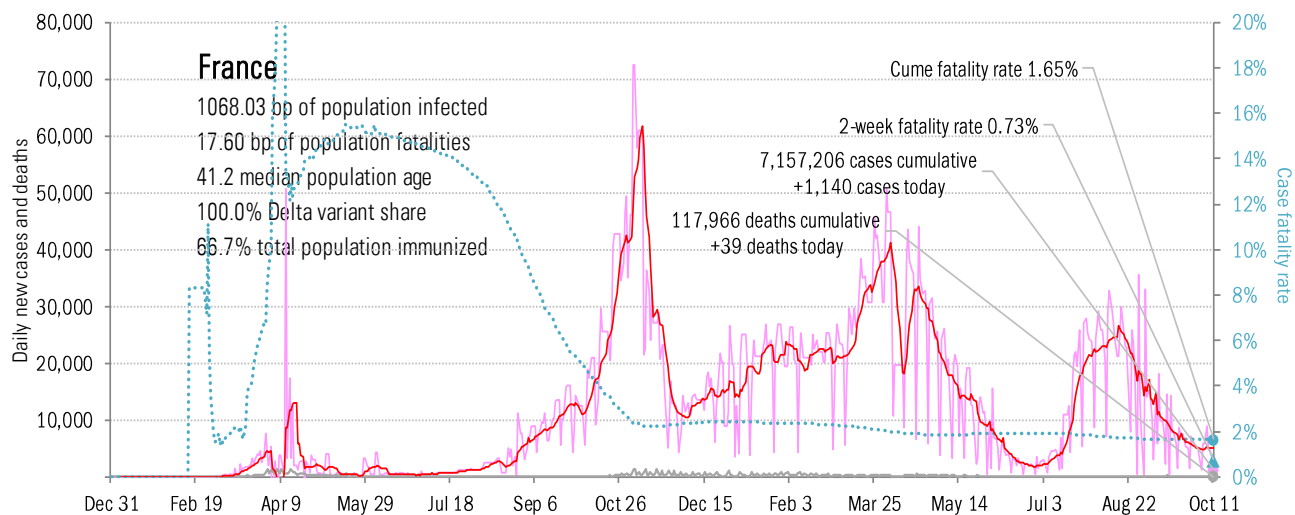
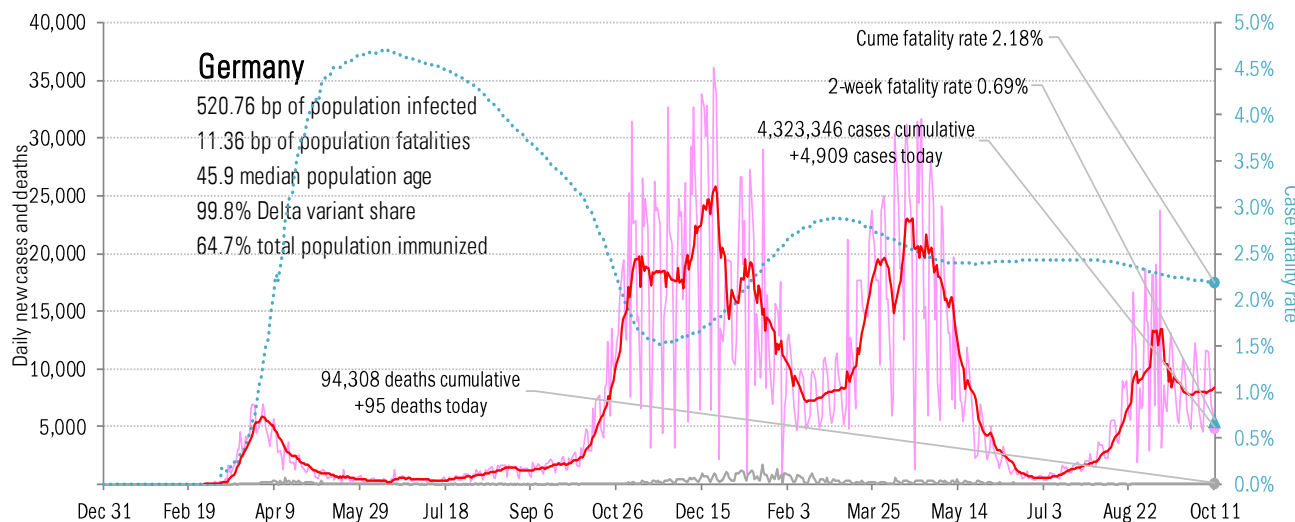
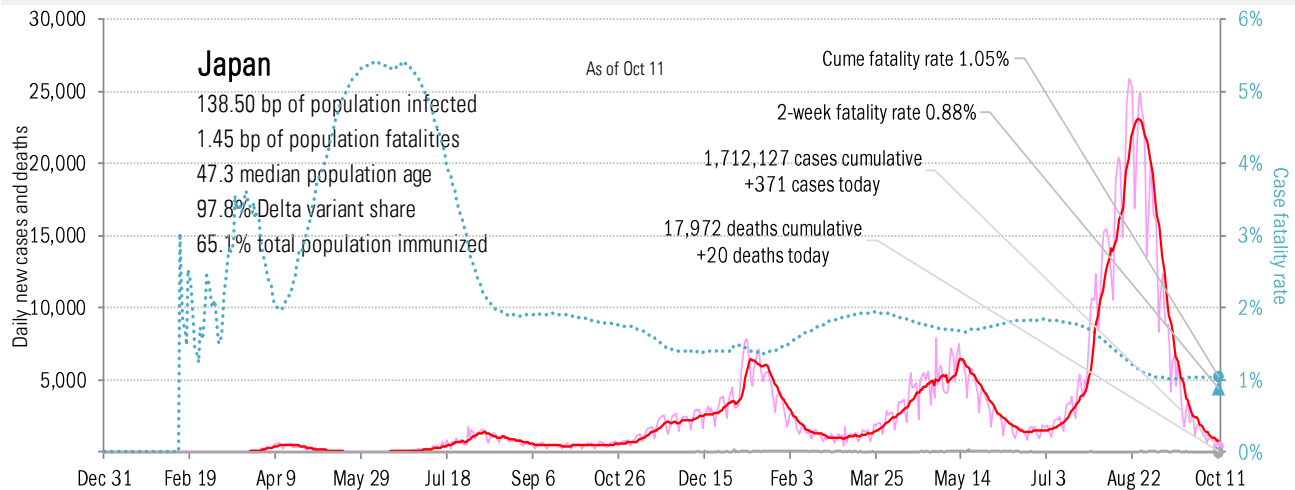
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

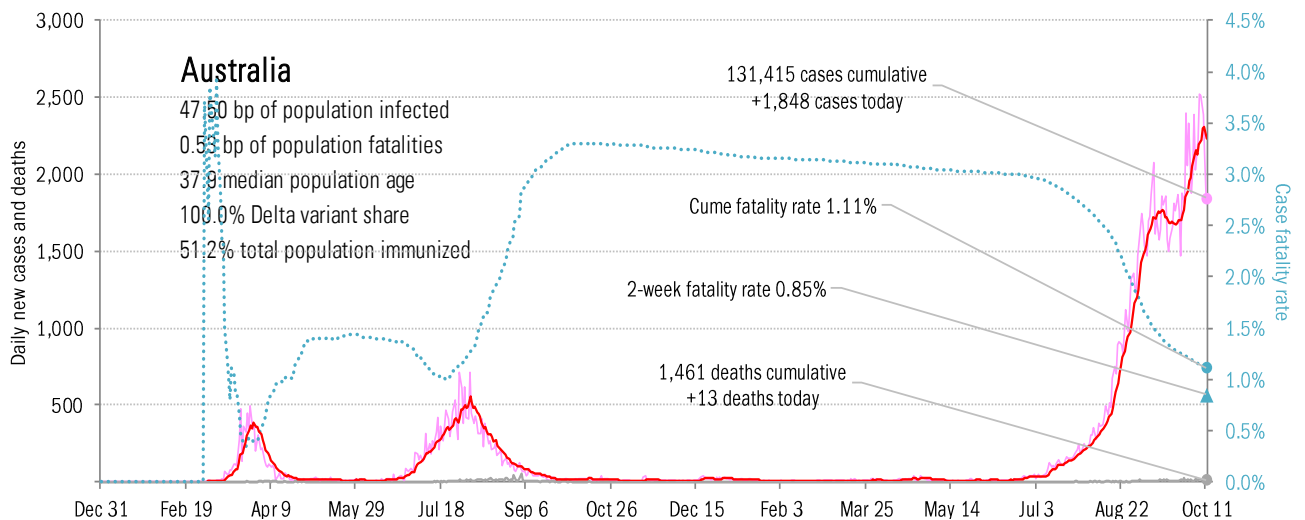
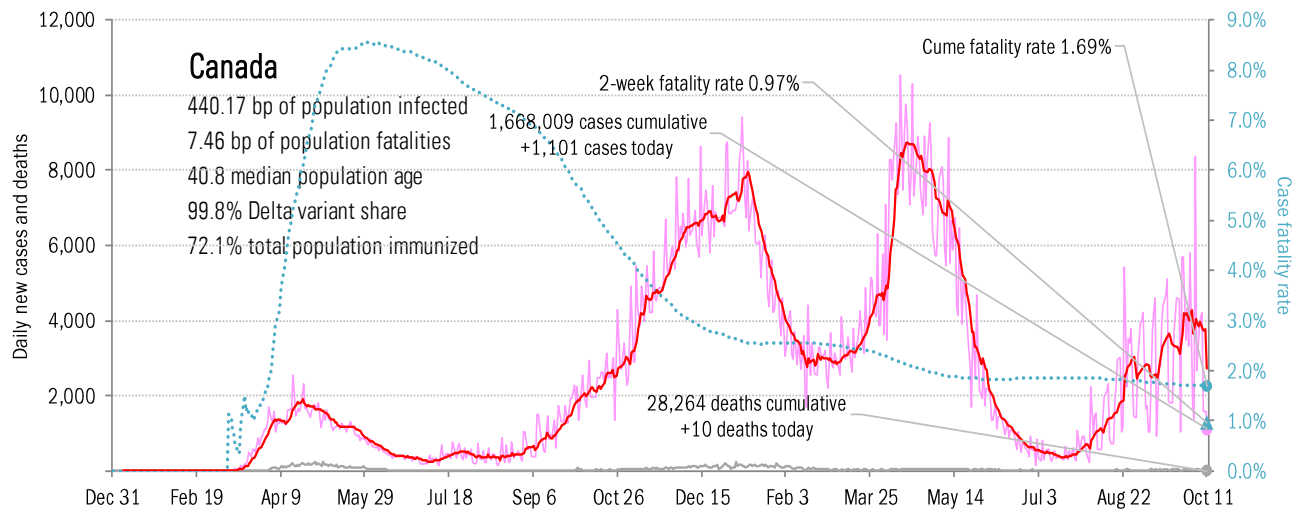
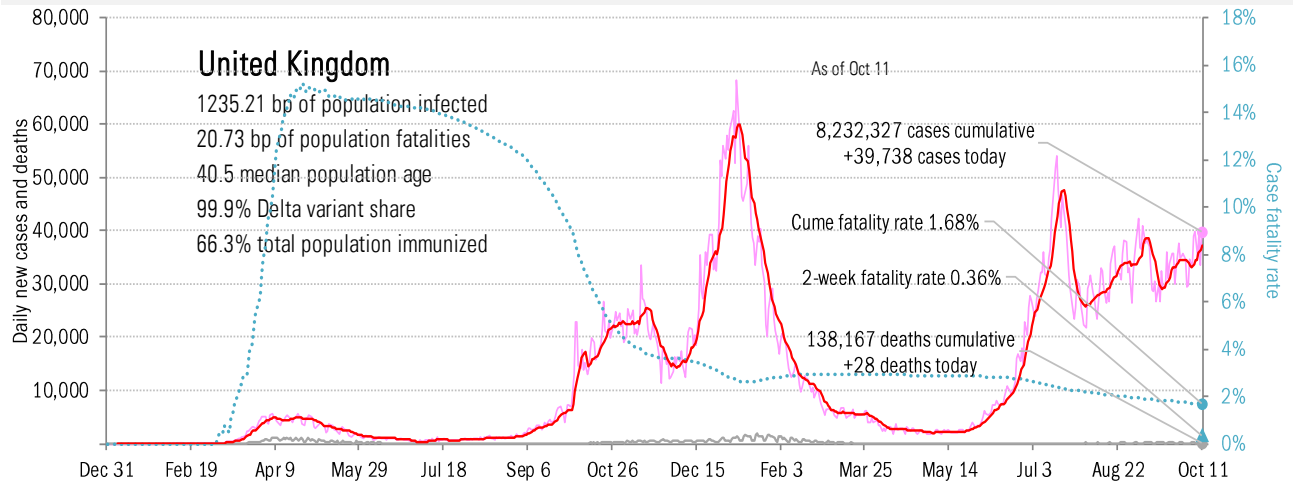
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

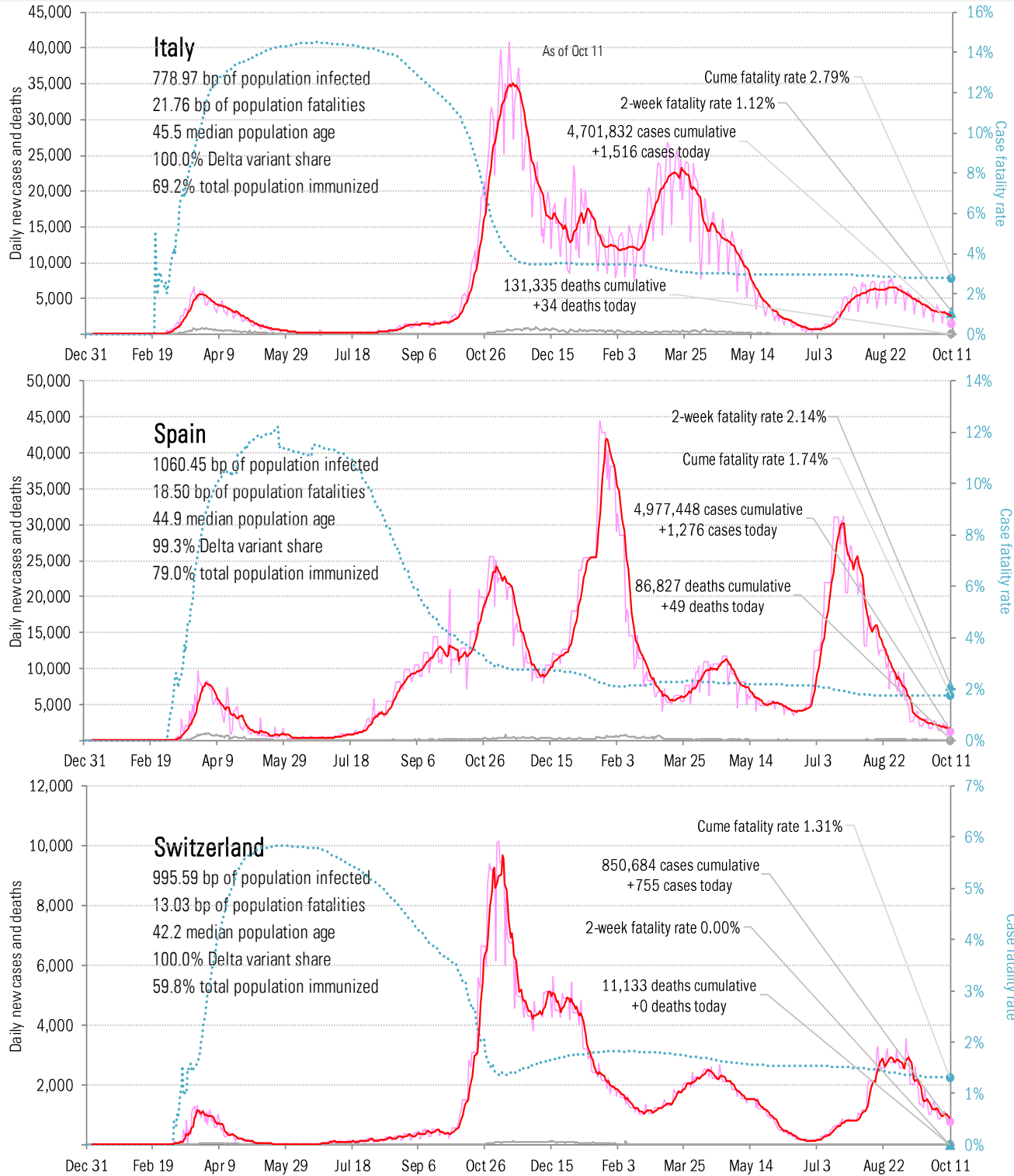
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

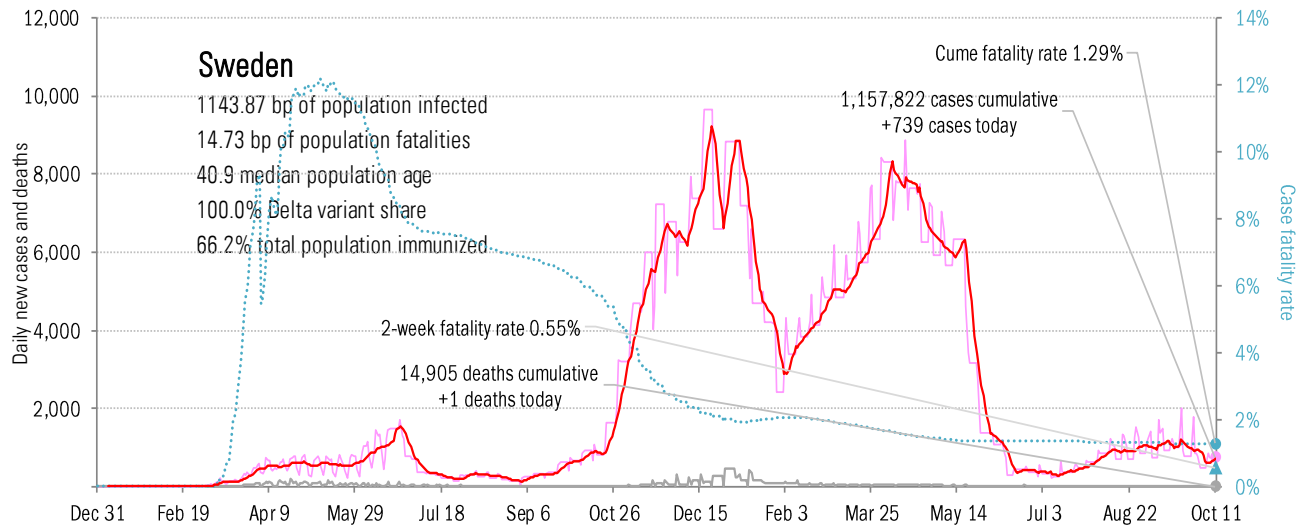
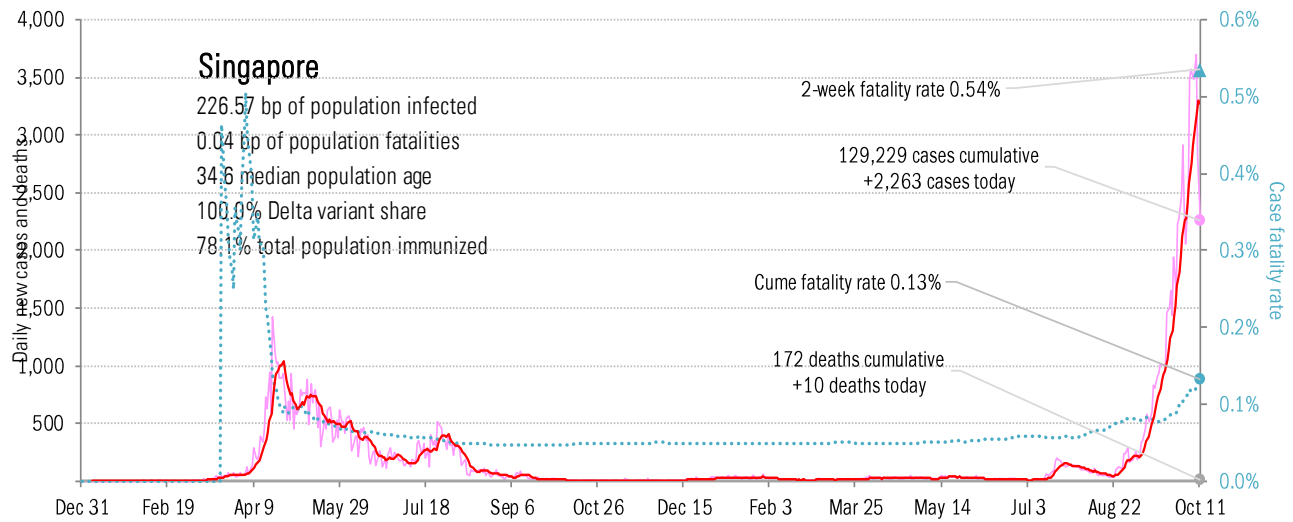
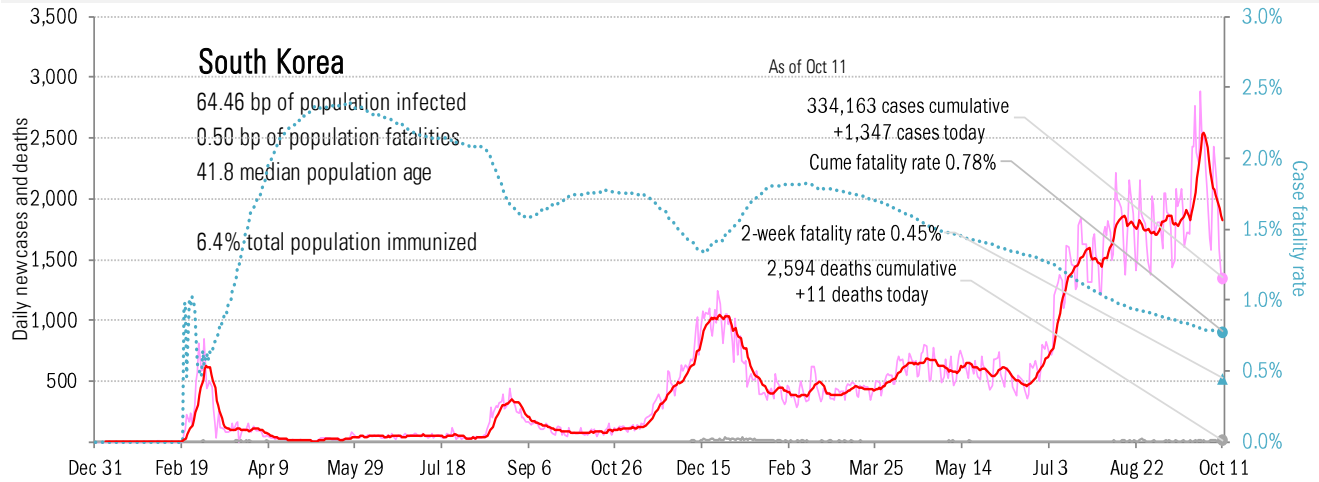
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

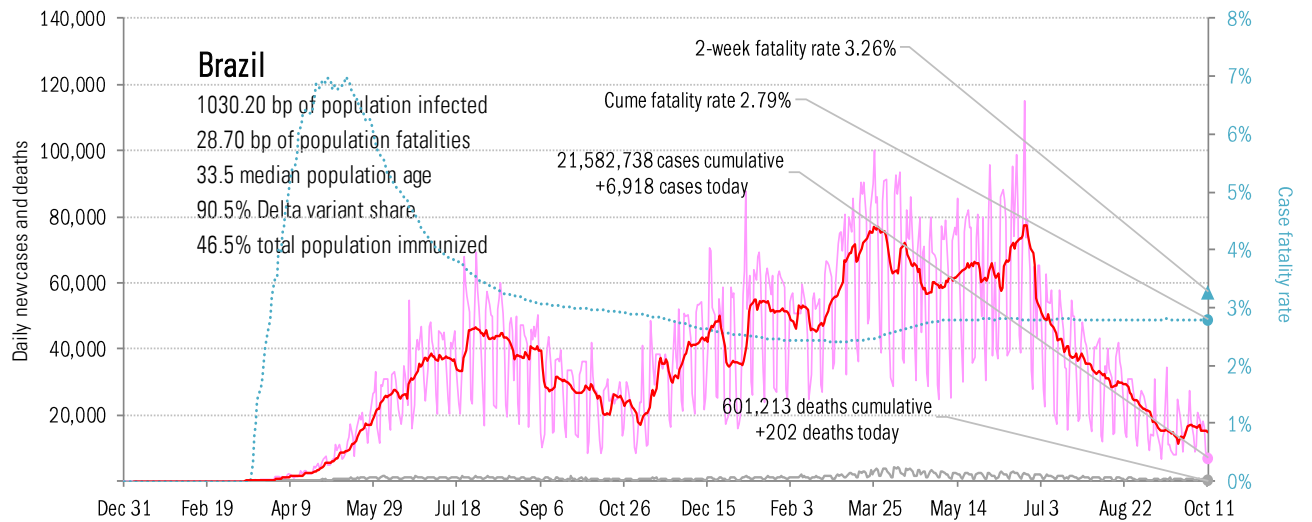
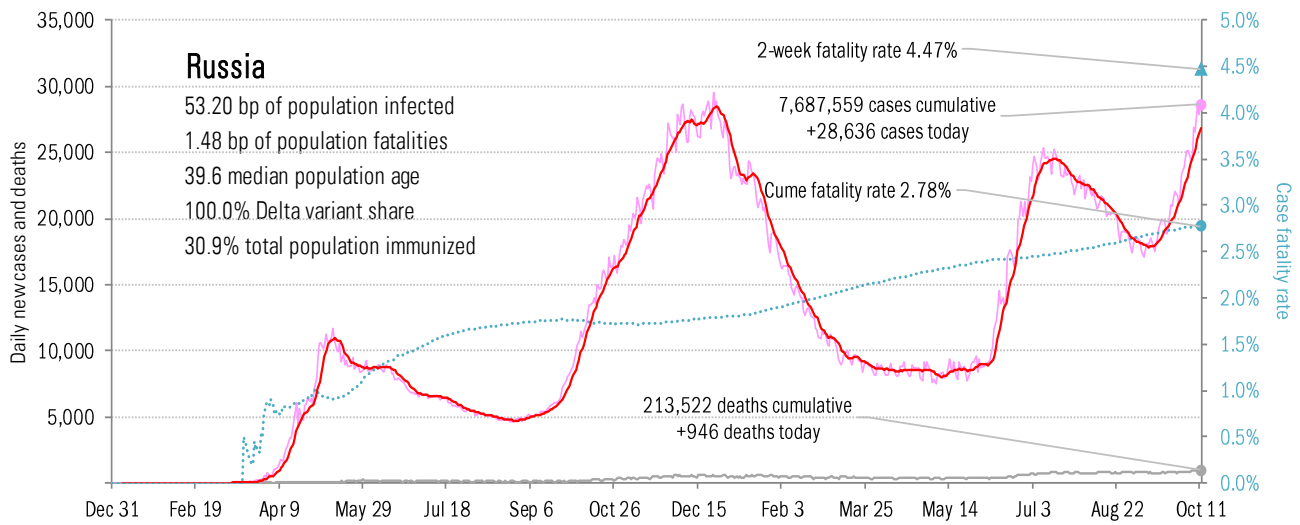
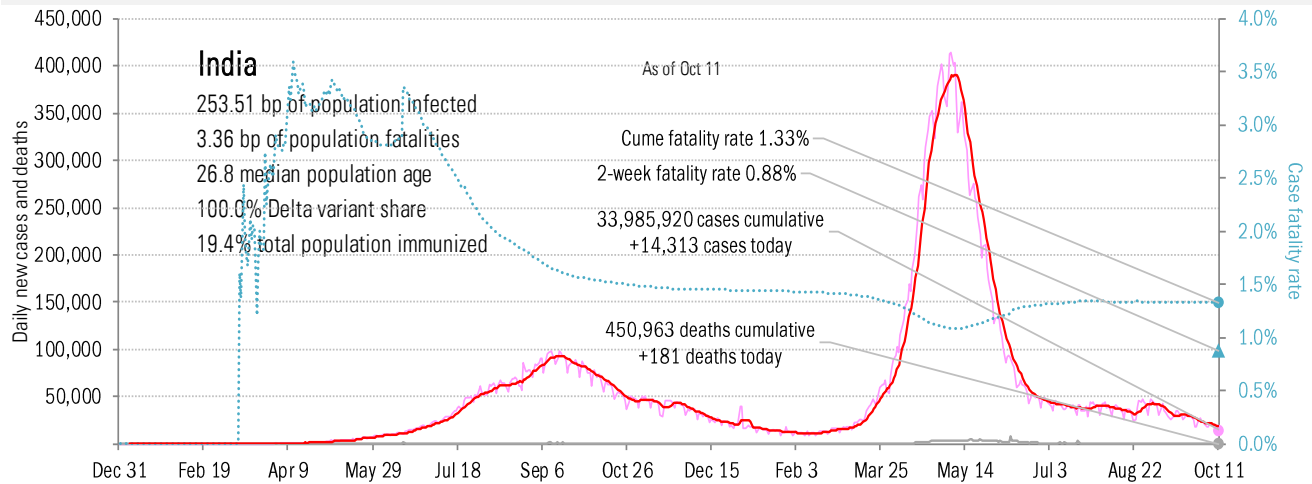
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

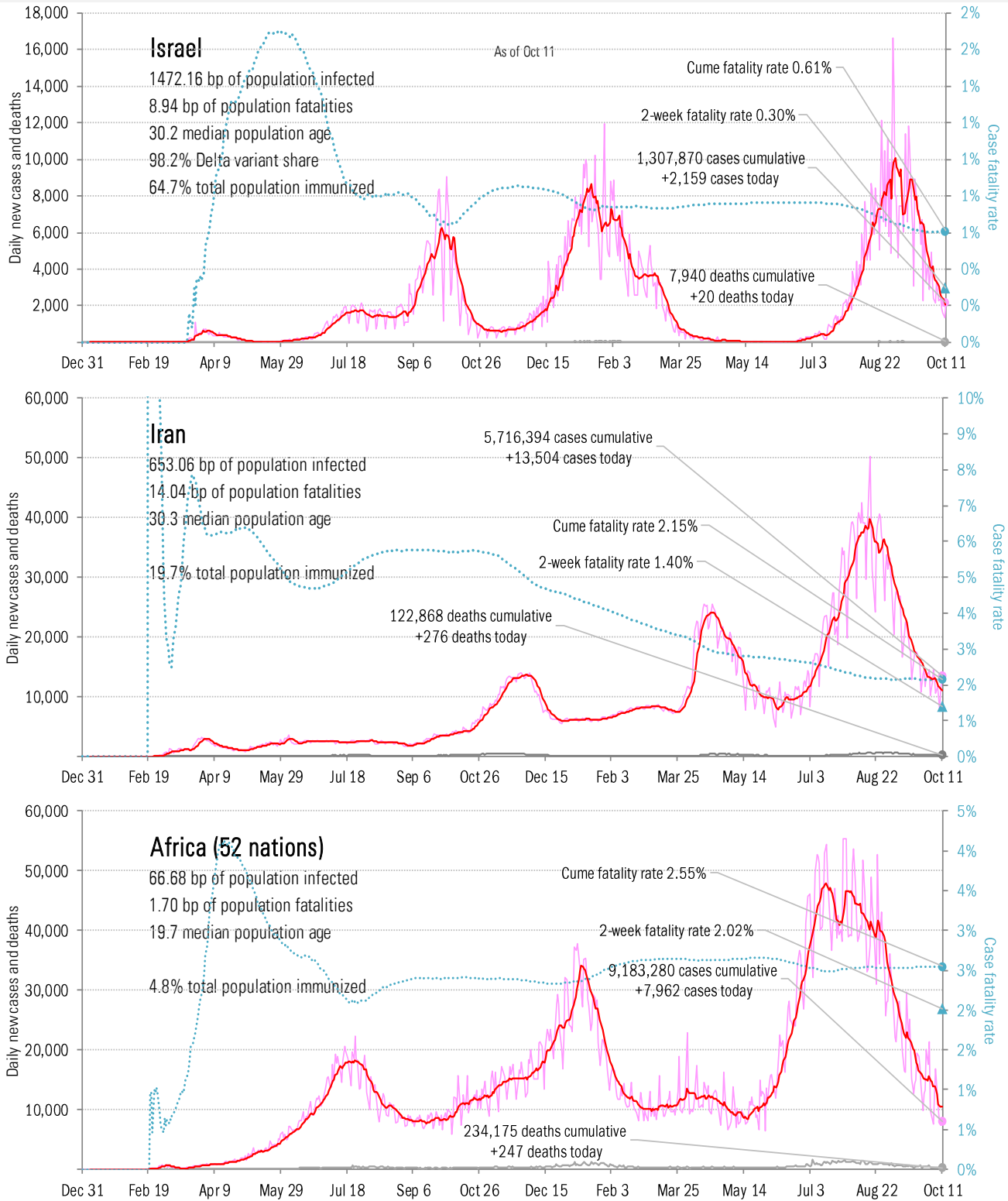
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

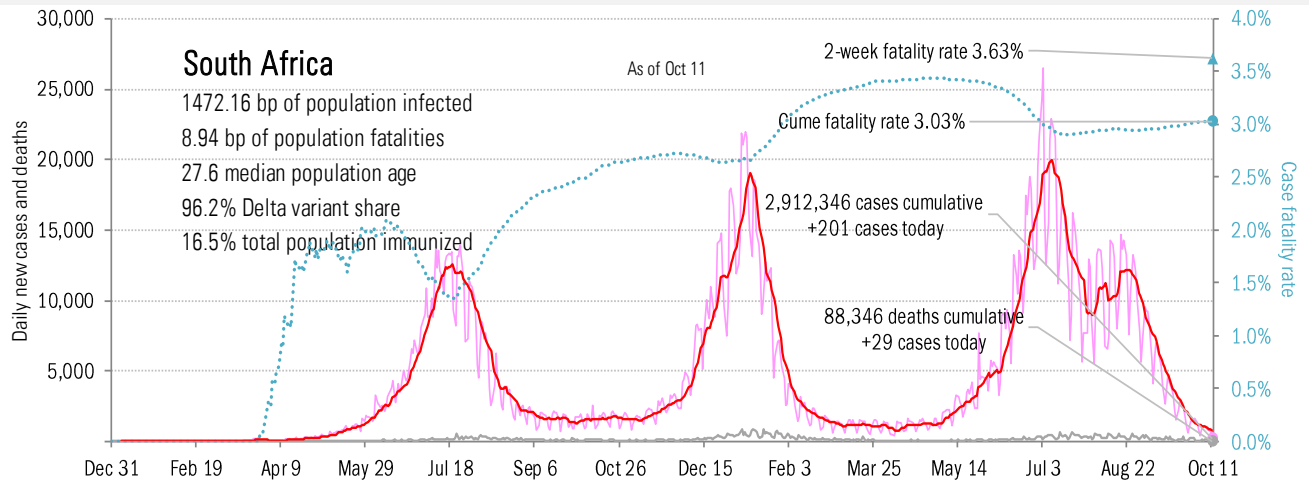
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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