

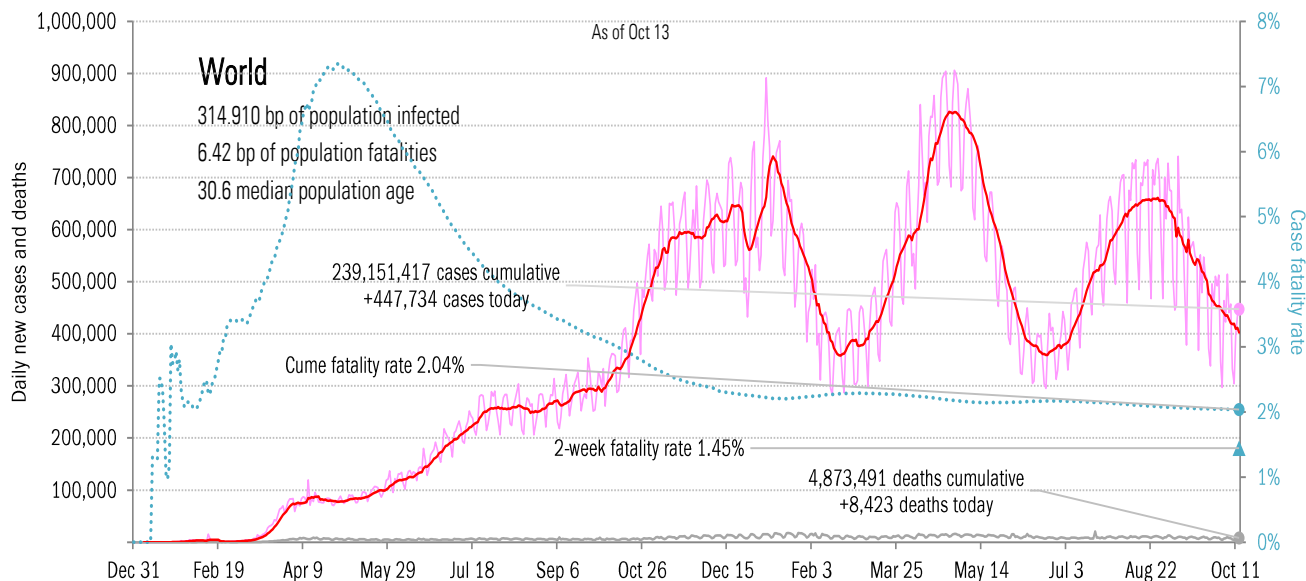
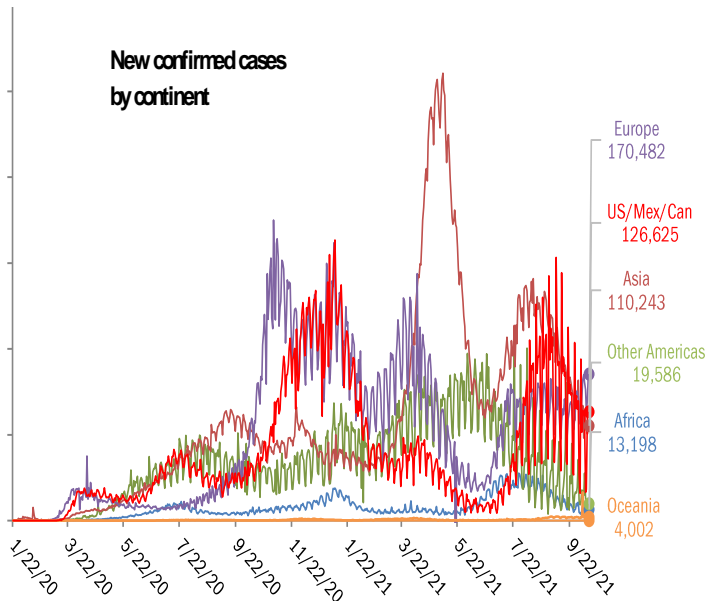
## Data Insights: Covid-2019 Monitor

Thursday, October 14, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+123,919	United States	+3,291
United Kingdom	+41,669	Russia	+962
Turkey	+31,248	Ukraine	+493
Russia	+27,926	Romania	+390
India	+18,987	India	+246
Ukraine	+17,100	Turkey	+236
Romania	+15,733	Iran	+194
Germany	+12,317	Brazil	+176
Iran	+12,298	Philippines	+173
Thailand	+10,064	United Kingdom	+136
<b>+311,261</b>		<b>+6,297</b>	
World +447,734		World +8,423	
Top ten 70%		Top ten 75%	



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

### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

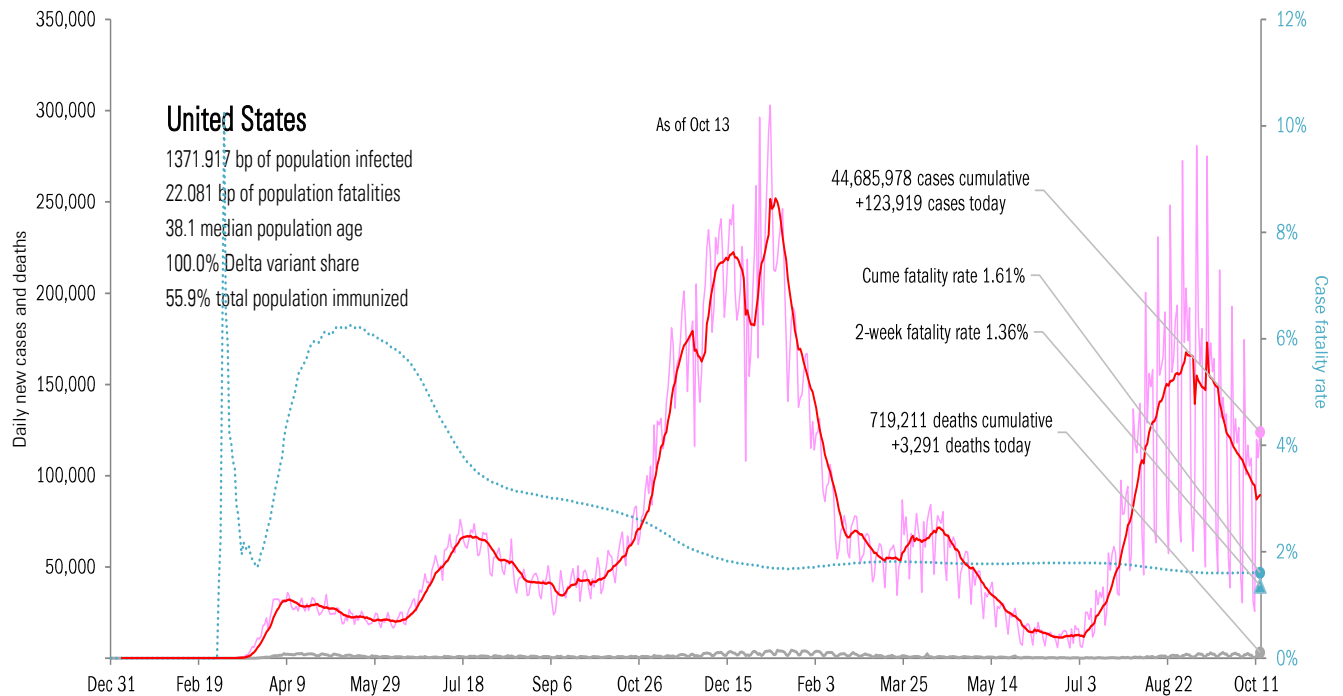
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
TX	+22,302		TX	+1,183		MN	+46		CA	4,797,024		CA	70,300		TX	366,822		RI	87%	TX	91%
MI	+10,876		FL	+240		ME	+15		TX	4,162,922		TX	68,245		FL	313,473		PA	86%	AL	89%
IA	+8,167		CK	+189		WI	+15		FL	3,648,254		FL	56,989		CA	302,381		MA	84%	NM	89%
CH	+5,648		PA	+170		CO	+14		NY	2,487,921		NY	55,852		NY	159,095		MD	83%	GA	87%
PA	+5,012		MI	+126		KS	+13		IL	1,660,883		PA	30,228		GA	155,788		GA	82%	KY	86%
NY	+4,559		AL	+111		ND	+13		GA	1,611,692		IL	27,760		CH	117,100		MN	82%	CK	86%
CA	+4,295		NC	+97		DE	+12		PA	1,491,146		NJ	27,653		PA	110,792		MI	82%	PA	85%
FL	+3,598		CA	+96		MI	+11		CH	1,480,371		GA	27,427		KY	108,878		WA	81%	AK	84%
NC	+3,239		IA	+94		MT	+11		NC	1,439,938		CH	23,021		IL	102,156		MO	81%	WV	84%
WA	+3,067		MO	+93		SD	+11		TN	1,258,933		MI	22,864		MI	86,629		SC	80%	MI	83%
<b>+70,763</b>			<b>+2,399</b>			<b>+161</b>			<b>24,039,084</b>			<b>410,339</b>			<b>1,823,114</b>						
All states	+123,919			+3,291			-796		All states	44,685,978			719,211			3,247,451		All states	70%		67%
Top ten	57%			73%			-20%		Top ten	54%			57%			56%		Median	77%		79%

Some states not reporting

## Five most improved US states

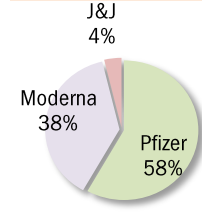
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MN	-5,549	CH	-202	GA	-136	FR	+30 bp
VA	-5,101	GA	-101	FL	-72	GA	+20 bp
GA	-5,003	CR	-82	MI	-55	ME	+20 bp
IL	-4,949	VA	-78	NV	-40	MT	+20 bp
UT	-2,521	AZ	-77	CK	-39	UT	+20 bp



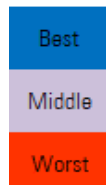
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	One dose	% Pop	Immune	% pop	New immune today			
	415,656,140				+0.797 million	US	55.9%	64.7%
Total population	222,890,958	67%	192,607,603	58%	+0.223 million	UK	66.3%	72.2%
Age 12 to 17	13,945,601	59%	11,464,307	48%	+0.026 million	France	66.9%	75.1%
Age 18 to 64	154,085,749	76%	132,681,559	65%	+0.168 million	Spain	79.1%	80.9%
Age 65 and over	53,769,506	98%	47,568,478	87%	+0.028 million	Germany	64.8%	68.0%
						Italy	69.5%	76.2%
						Australia	53.0%	69.8%
						Israel	64.8%	70.5%
						Canada	72.4%	77.3%
						Japan	66.1%	74.8%
						Africa	4.9%	8.2%
						India	19.7%	49.6%
						Brazil	46.5%	72.2%
						China	72.6%	82.0%



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



Every American >18 immune in **95 days** by Jan 16, 2022  
 69.8% of population >18 immunized  
 15.9% previously tested positive  
**85.7%** vs 60% adult herd immunity

AK
58.1%
51.3%

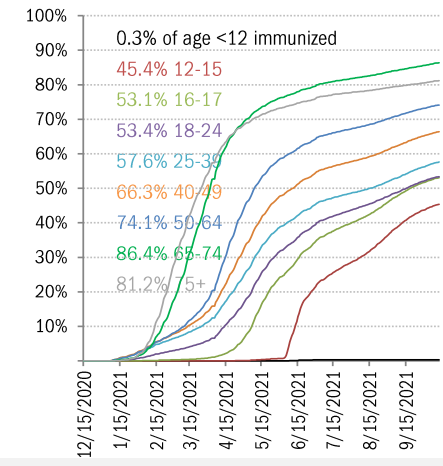
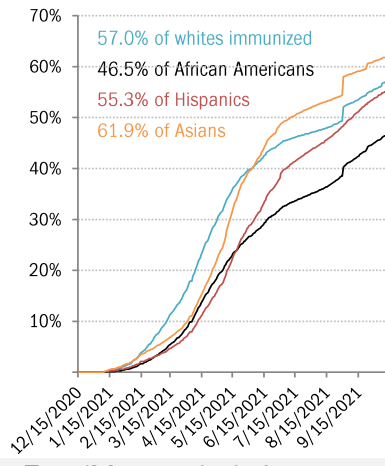
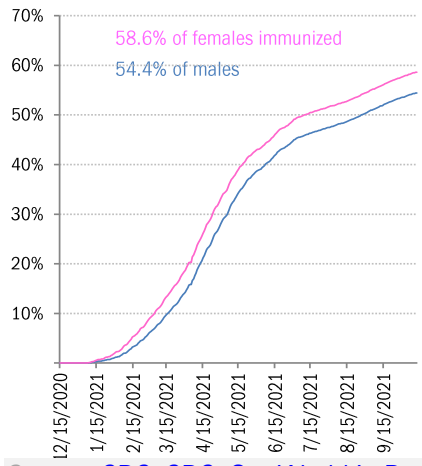
WI
61.7%
57.4%

ME
75.0%
69.3%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
68.2%	47.9%	55.6%	52.0%	64.2%	69.4%	57.3%	72.3%	78.6%	72.2%	
62.2%	42.5%	49.3%	45.1%	58.9%	54.3%	52.8%	64.7%	70.3%	62.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
67.4%	61.8%	49.5%	60.3%	58.7%	52.9%	54.9%	74.5%	73.5%	78.5%	
61.8%	51.7%	42.7%	52.4%	54.7%	49.1%	51.0%	58.9%	65.3%	68.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
72.9%	59.9%	66.4%	60.1%	55.6%	61.8%	48.6%	69.5%	71.6%	77.4%	76.5%
60.0%	52.1%	60.3%	55.4%	48.7%	53.6%	40.7%	61.6%	65.0%	69.6%	69.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	60.1%	73.5%	60.9%	56.5%	53.5%	61.6%	56.2%	72.2%	67.5%	
	52.0%	64.0%	52.1%	46.5%	46.6%	51.4%	48.5%	61.1%	58.6%	
			OK	LA	MS	AL	GA			
			57.6%	52.5%	51.0%	53.4%	55.8%			
			48.6%	46.4%	44.5%	43.7%	46.7%			
			TX					FL		PR
			60.4%					67.8%		80.4%
			52.2%					58.5%		71.8%

HI
77.5%
58.7%

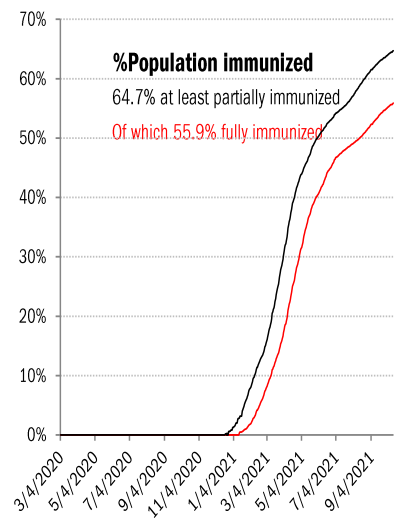
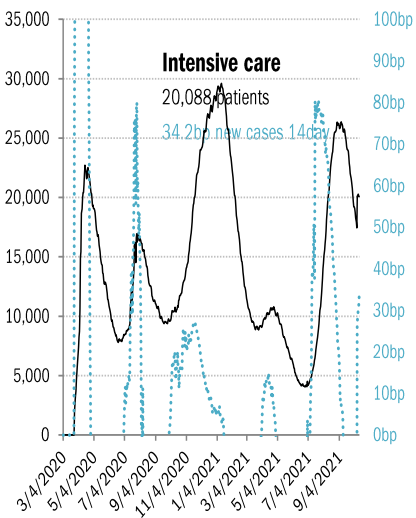
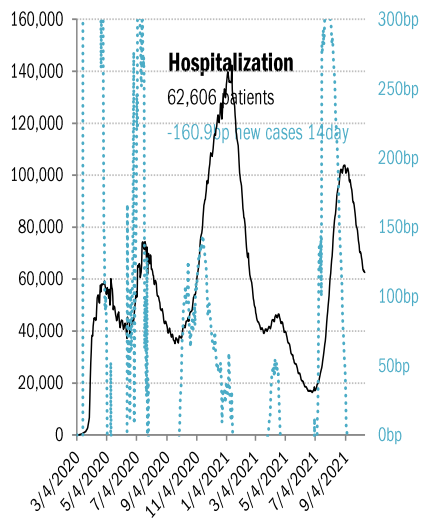
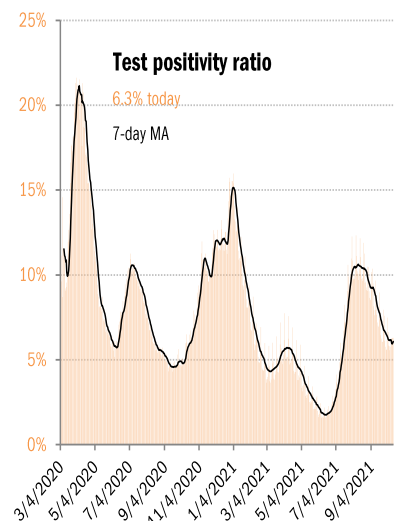
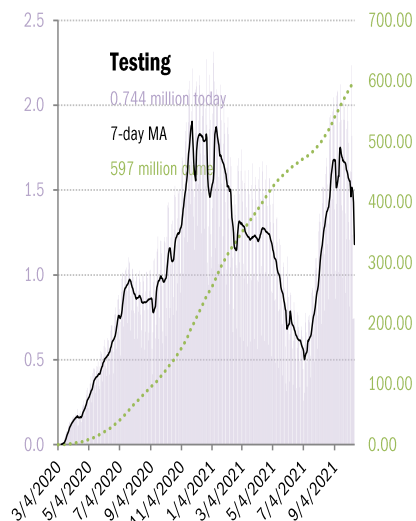
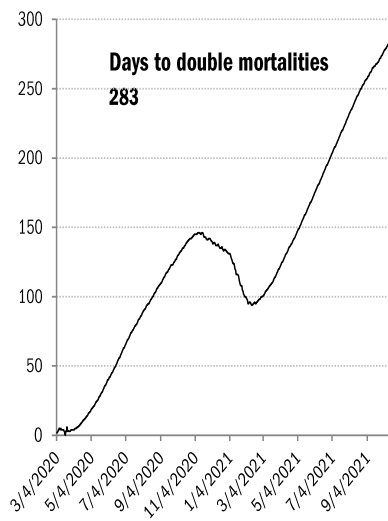
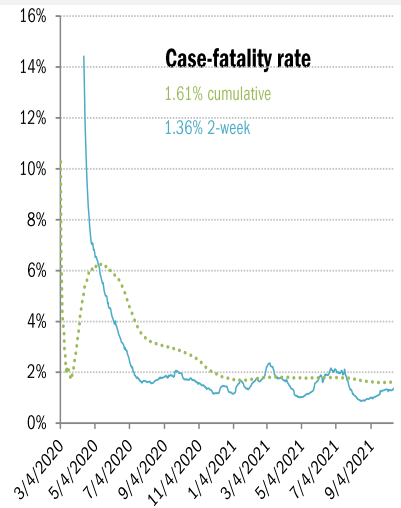
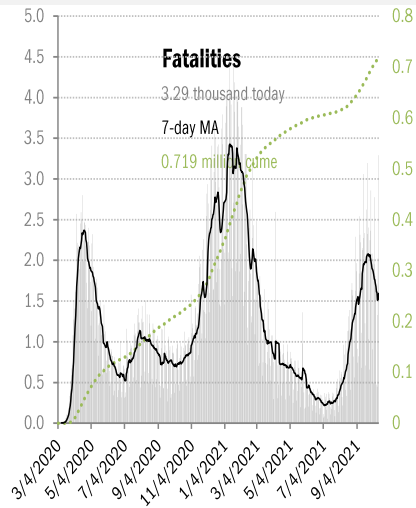
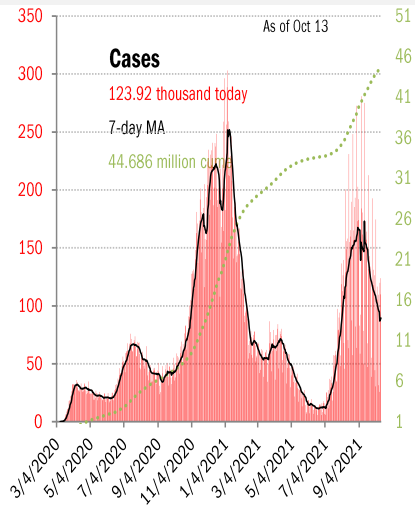
## The demographics of US vaccination



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

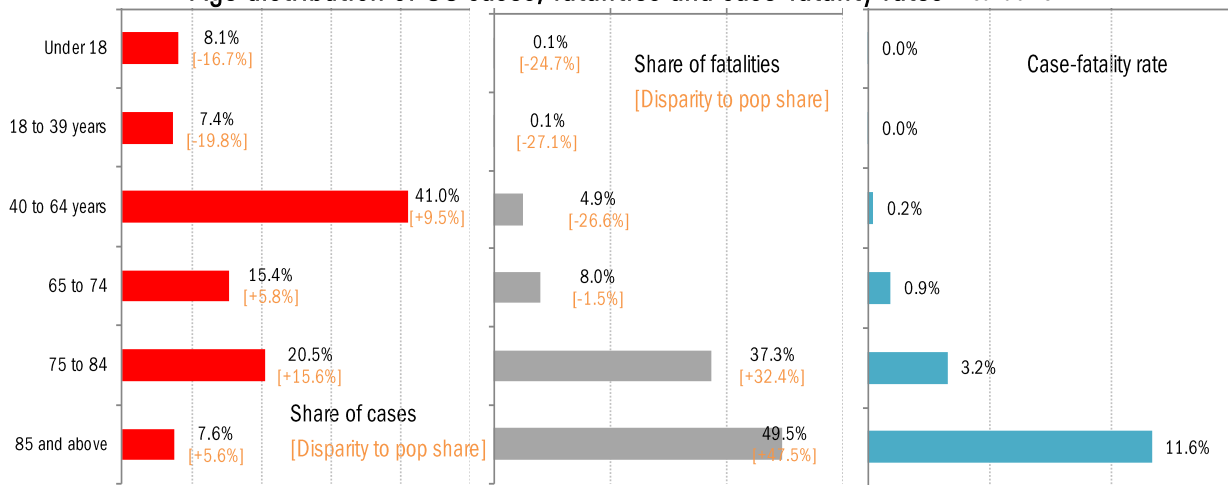
# US deep-dive

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

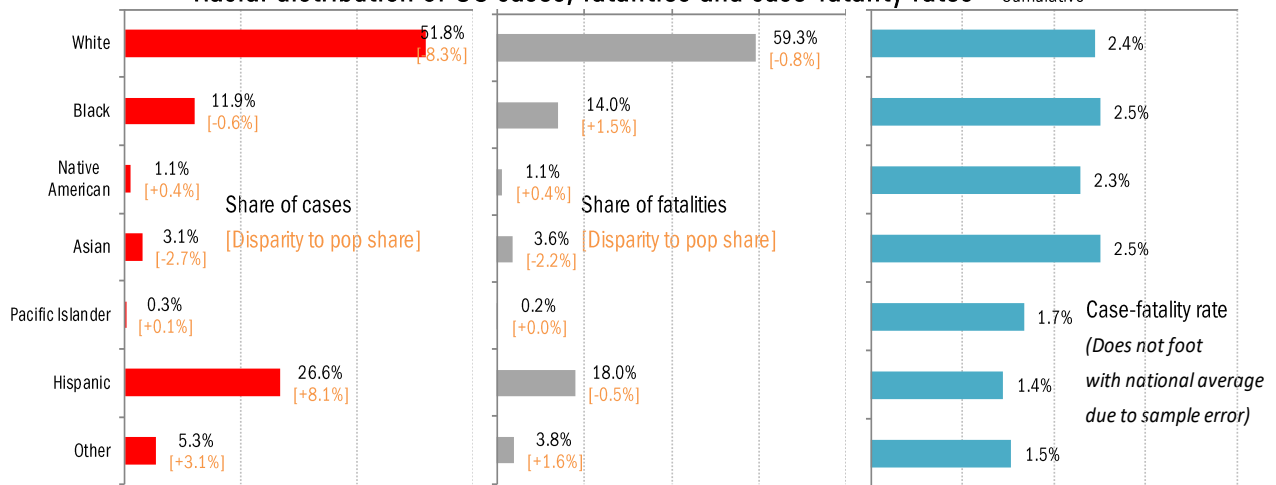


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

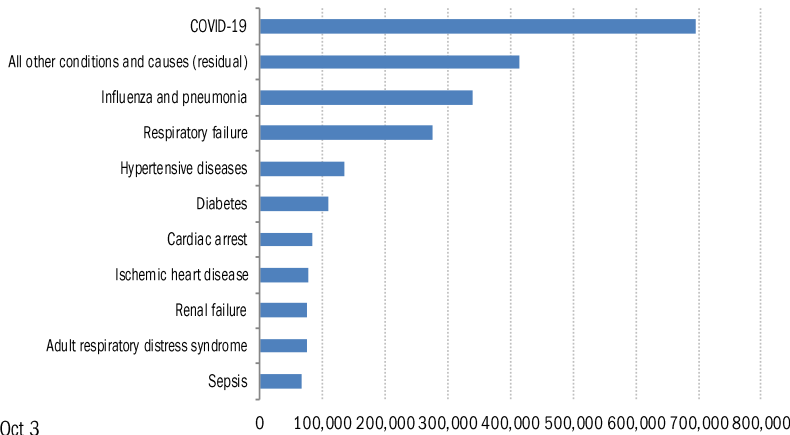


Racial distribution of US cases, fatalities and case-fatality rates



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

[William Shatner Returns to Space](#)

*Wall Street Journal*

October 13, 2021

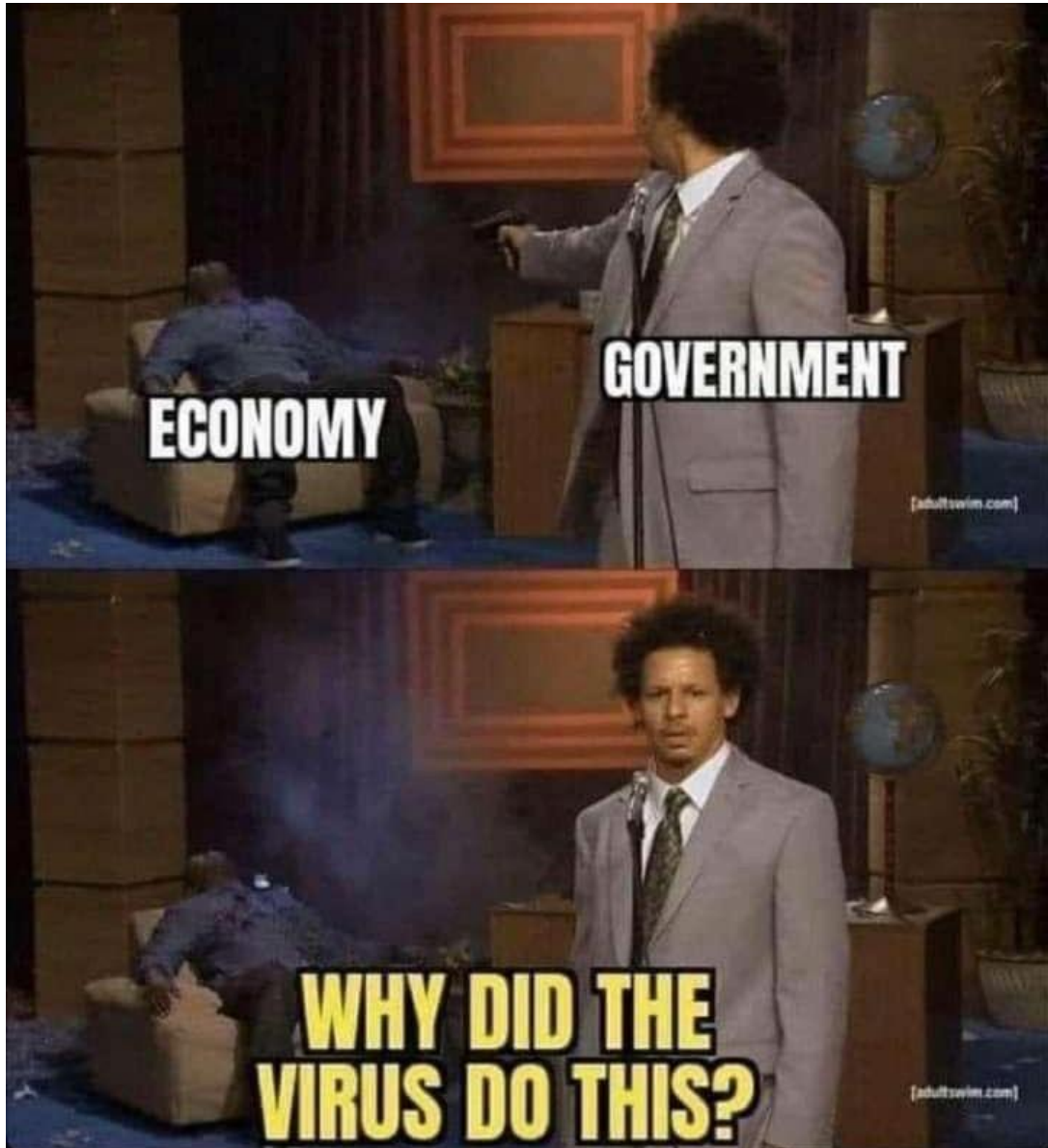
[Why Many Black Americans Changed Their Minds About Covid Shots](#)

Audra D. S. Burch and Amy Schoenfeld Walker

*New York Times*

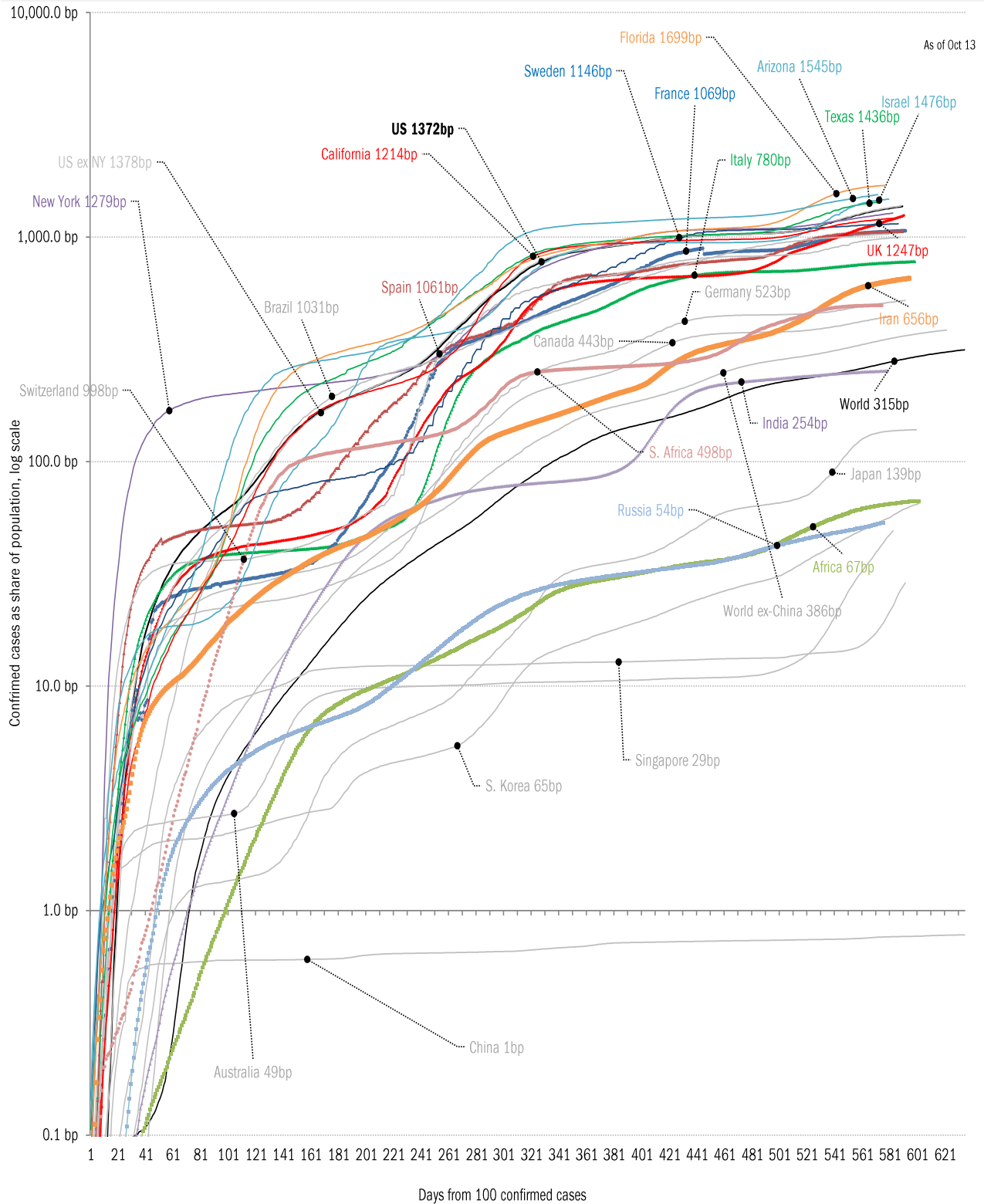
October 13, 2021

## Meme of the day



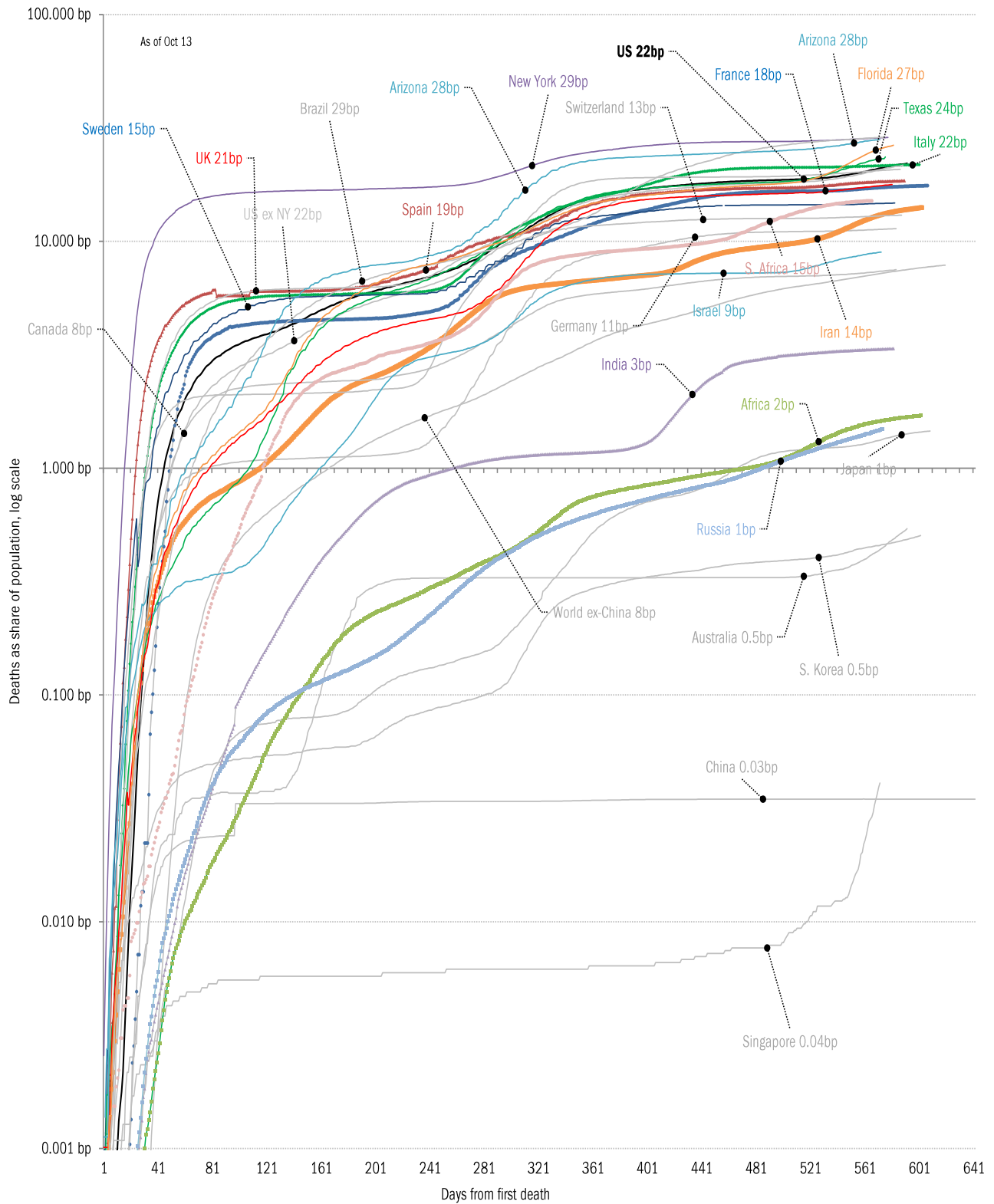
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



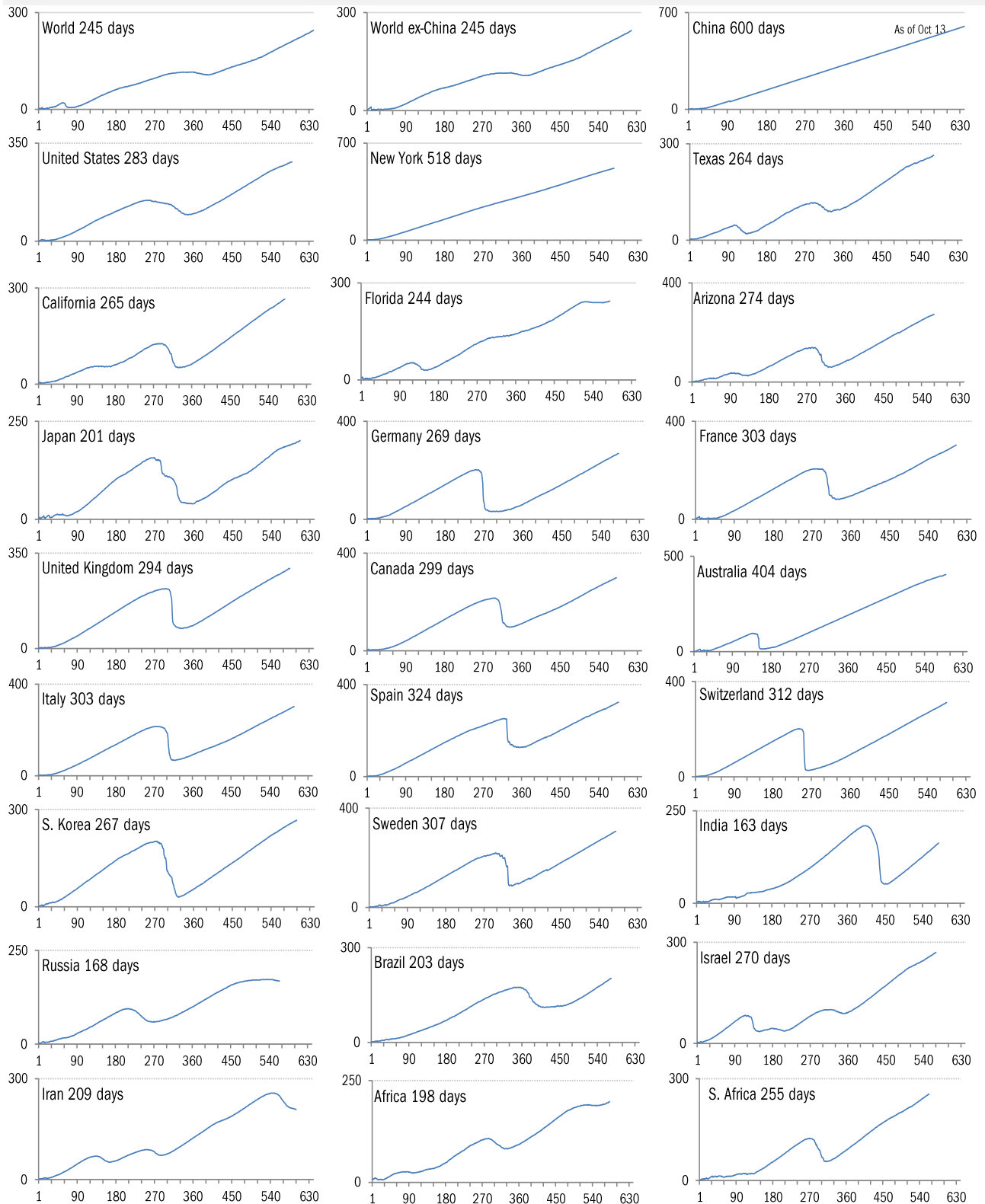
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

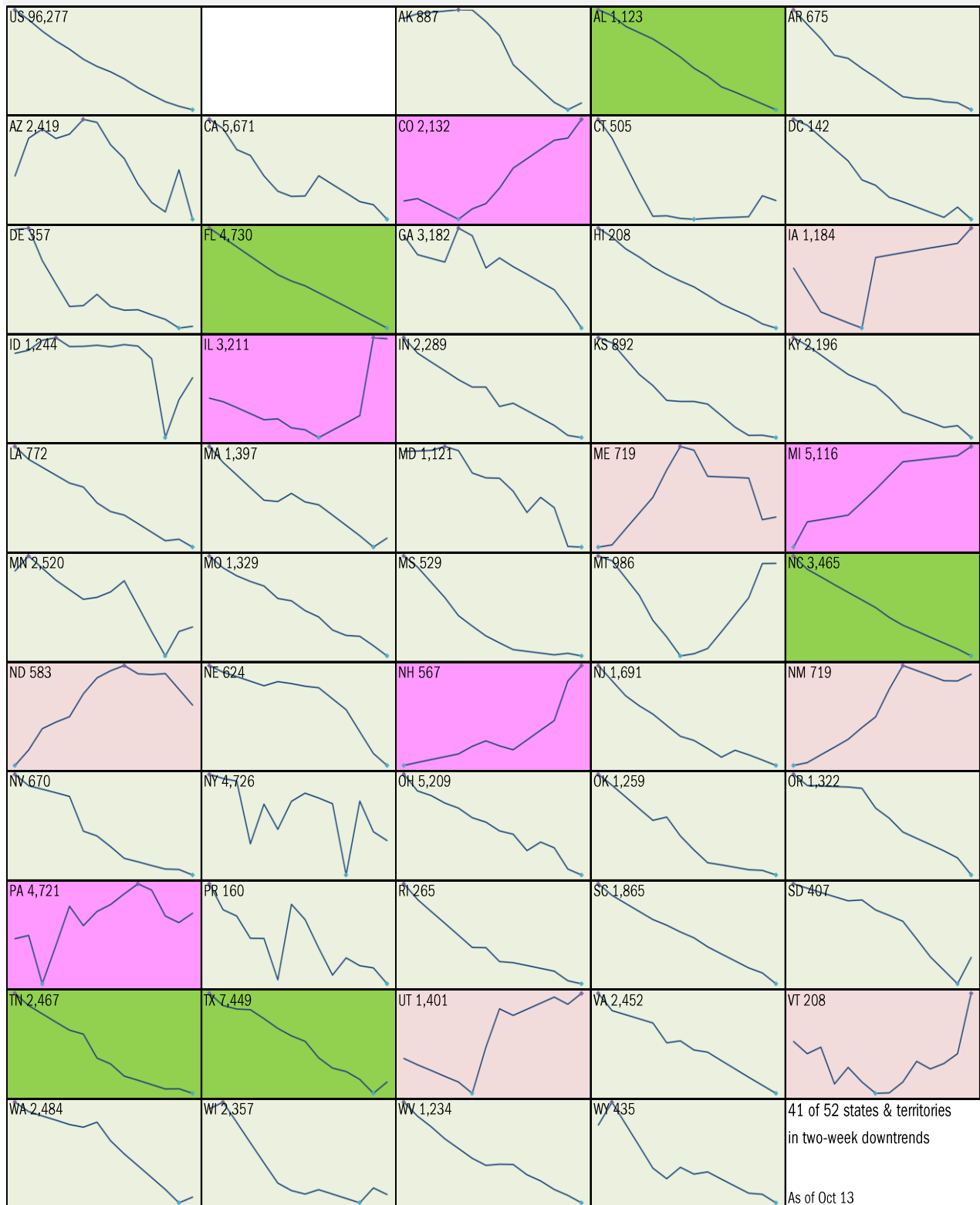


Source: [Johns Hopkins](#), TrendMacro calculations

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

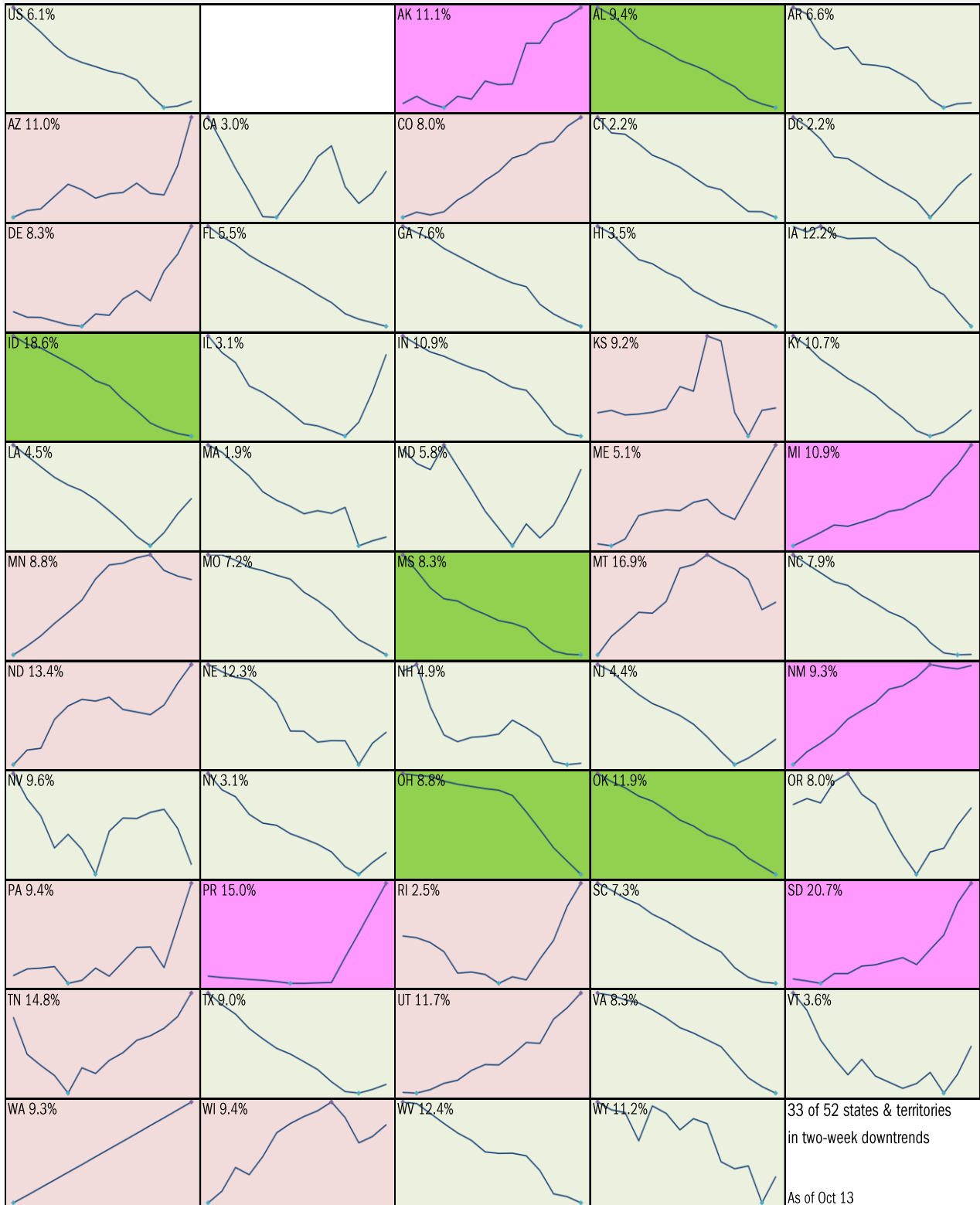


Source: [Johns Hopkins](#), TrendMacro calculations

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

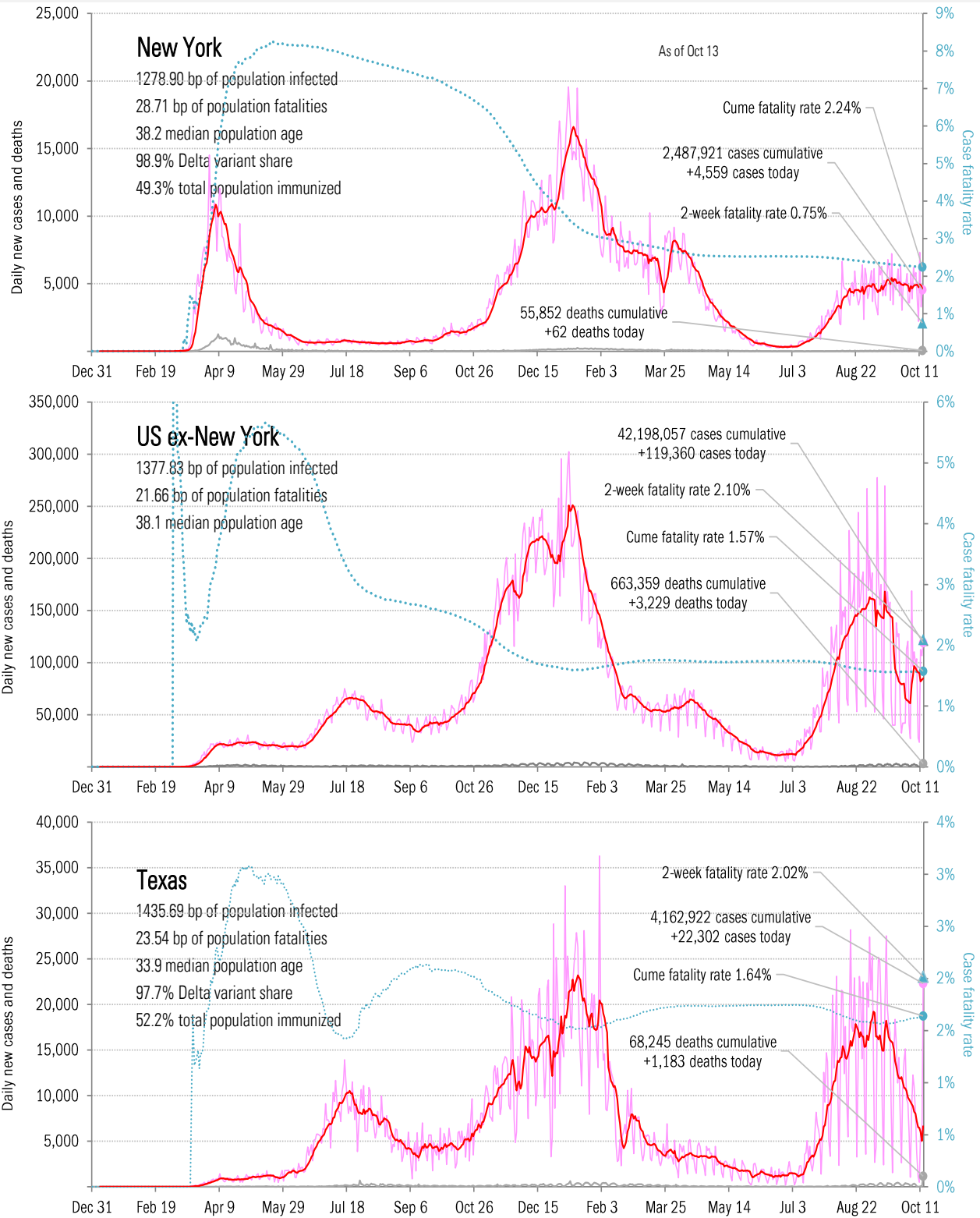
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

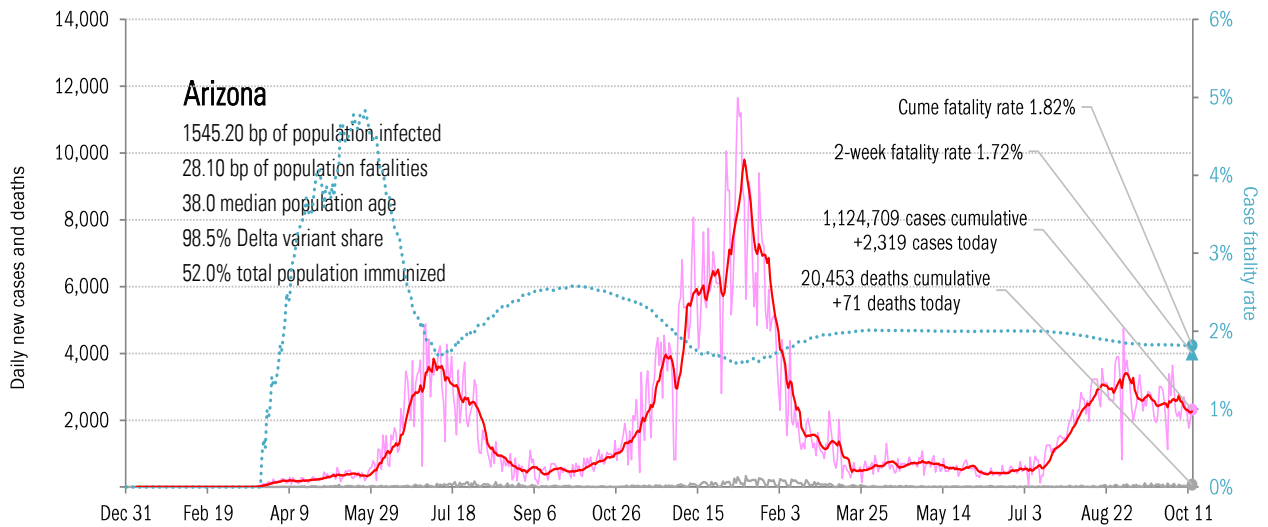
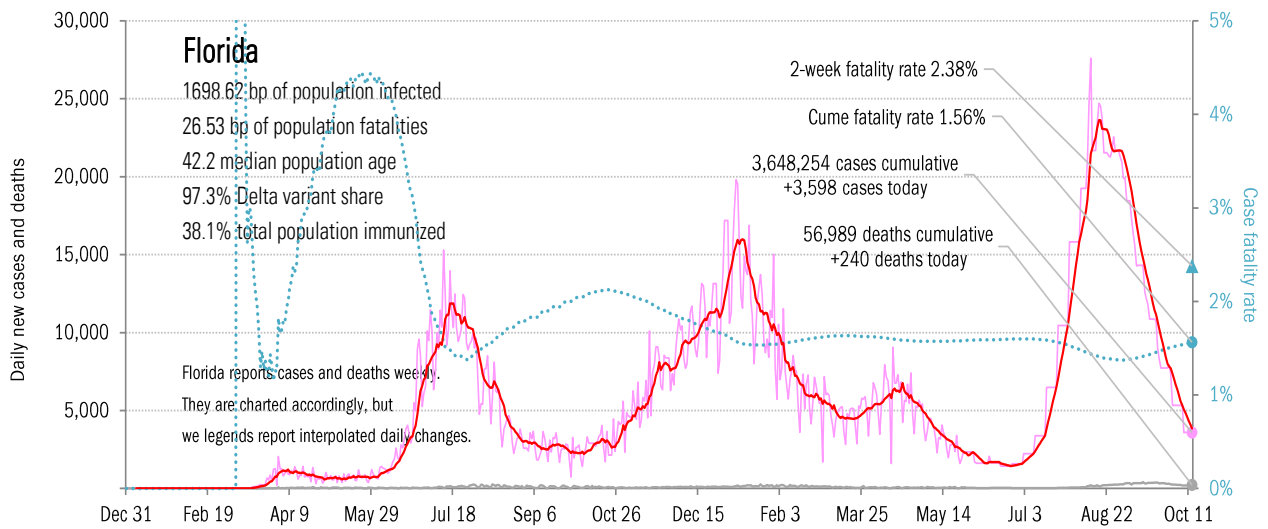
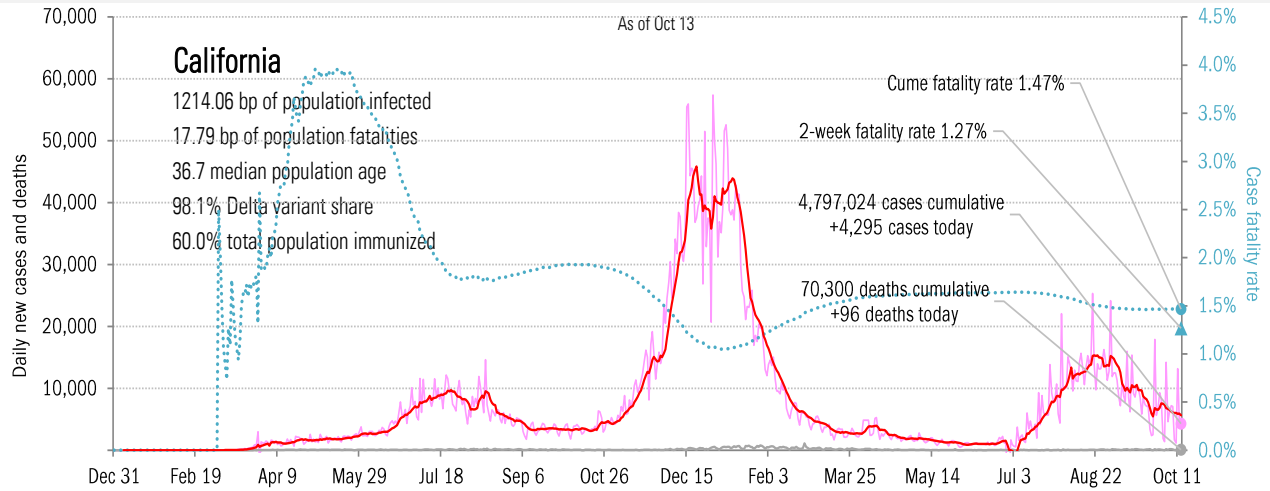
Cases: 7-day average and daily Deaths: Daily



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

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

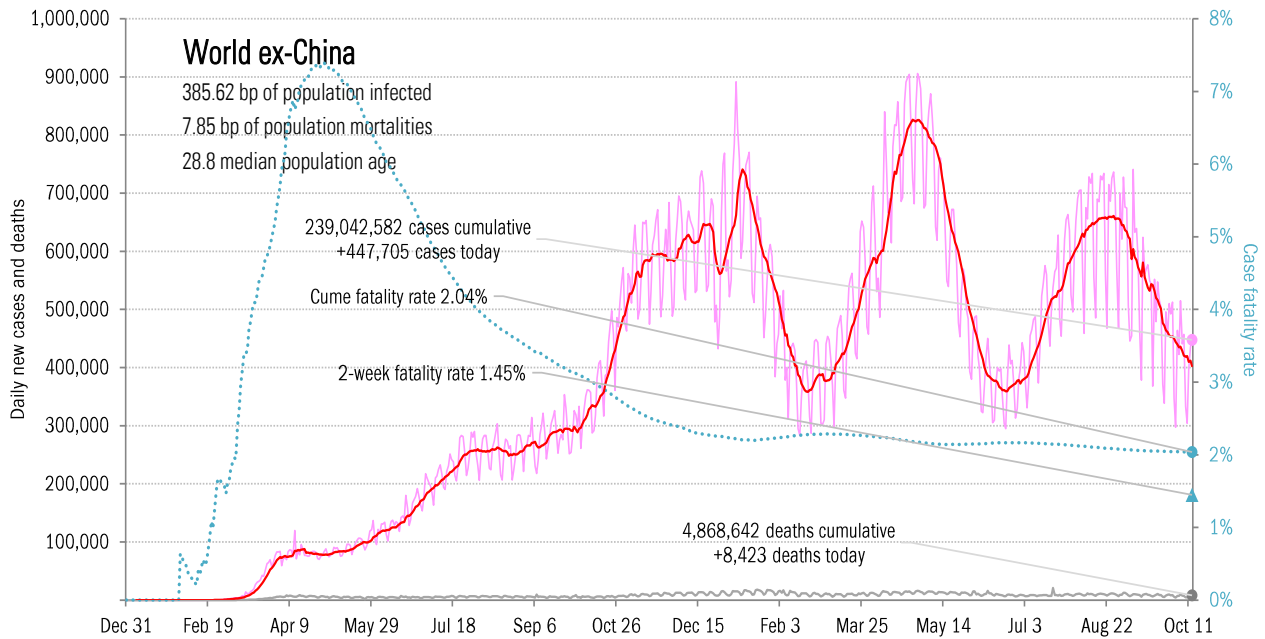
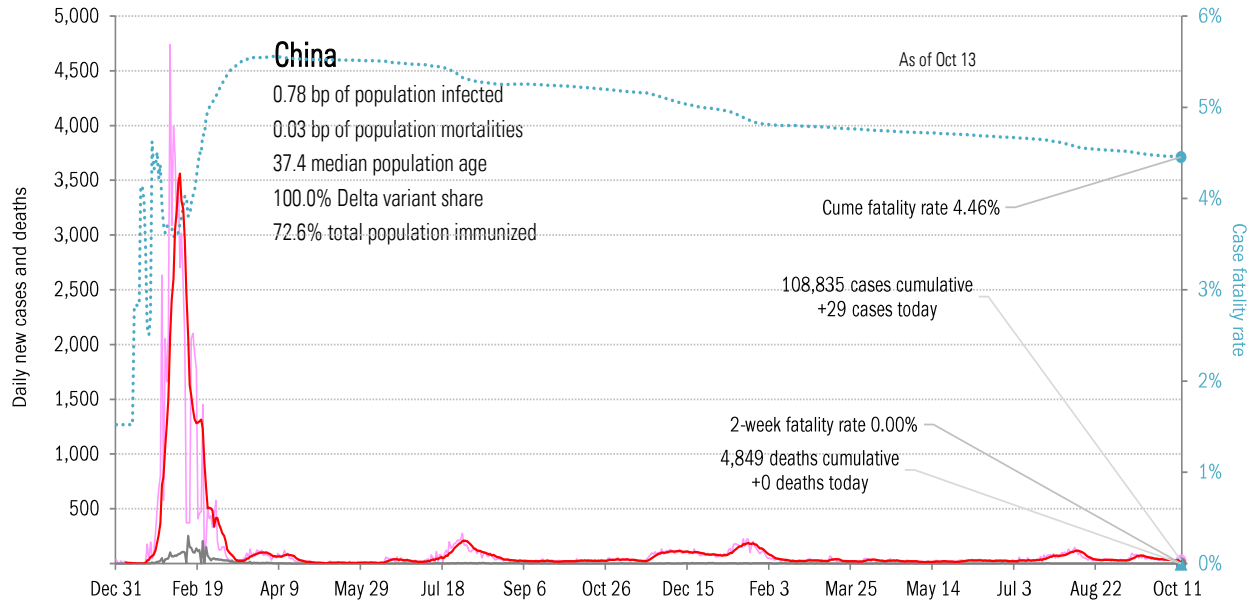
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

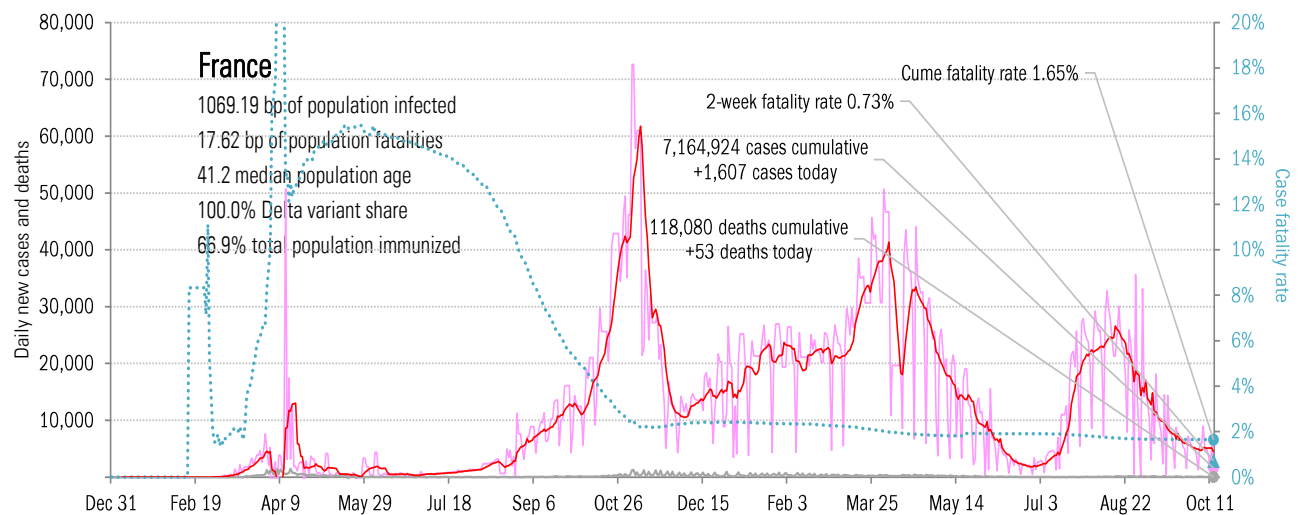
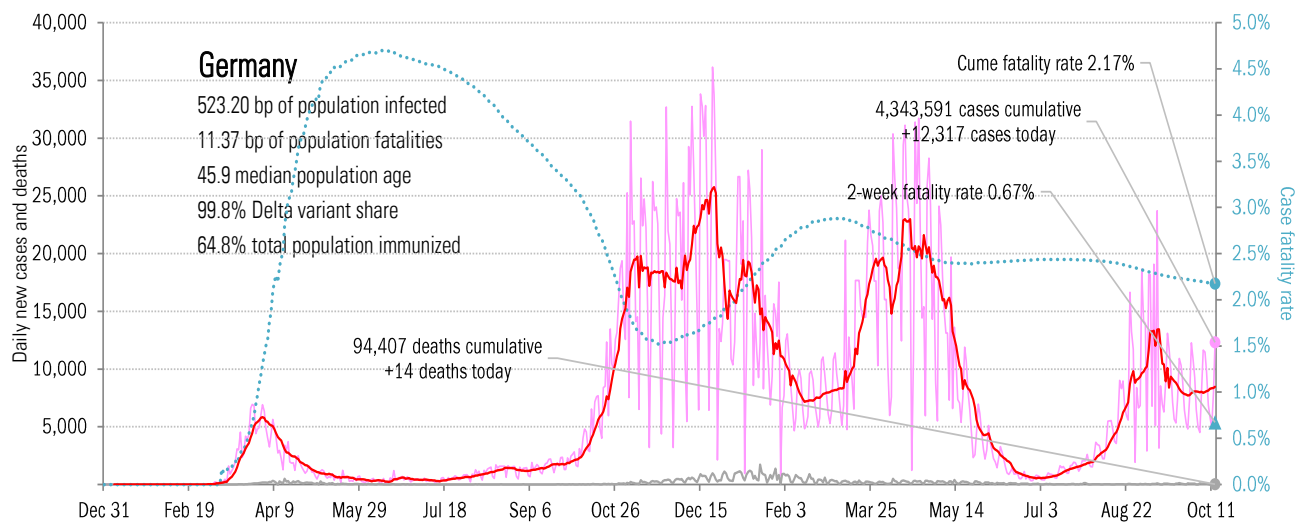
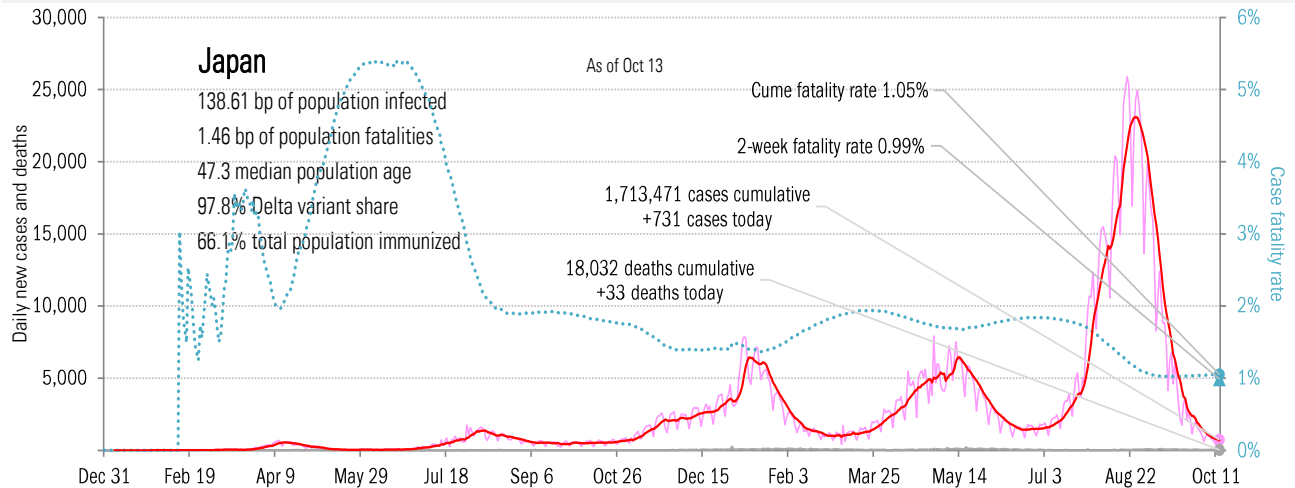
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

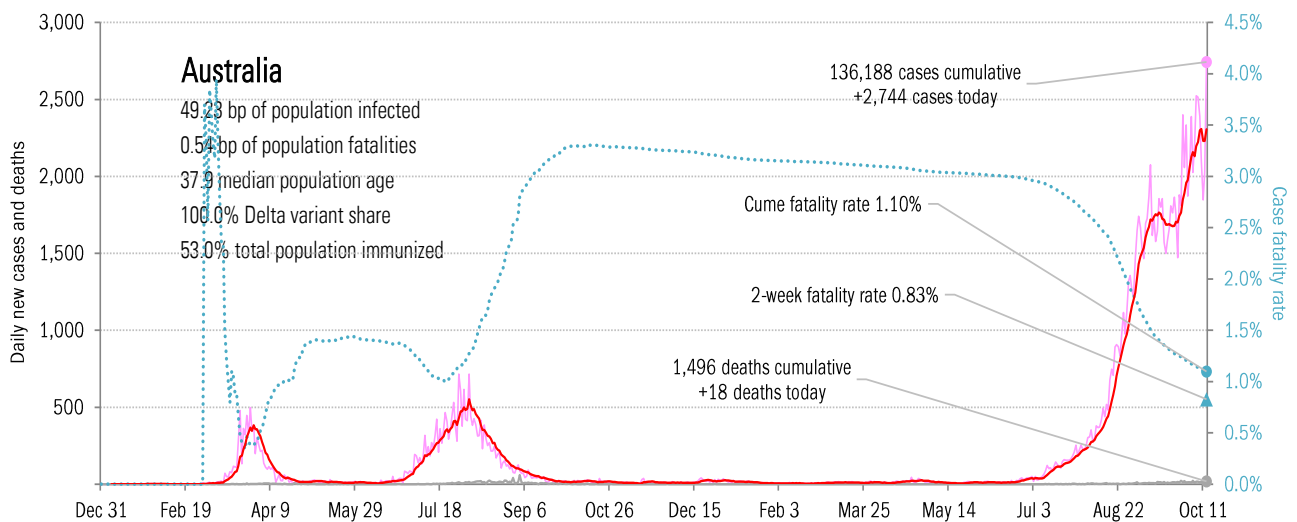
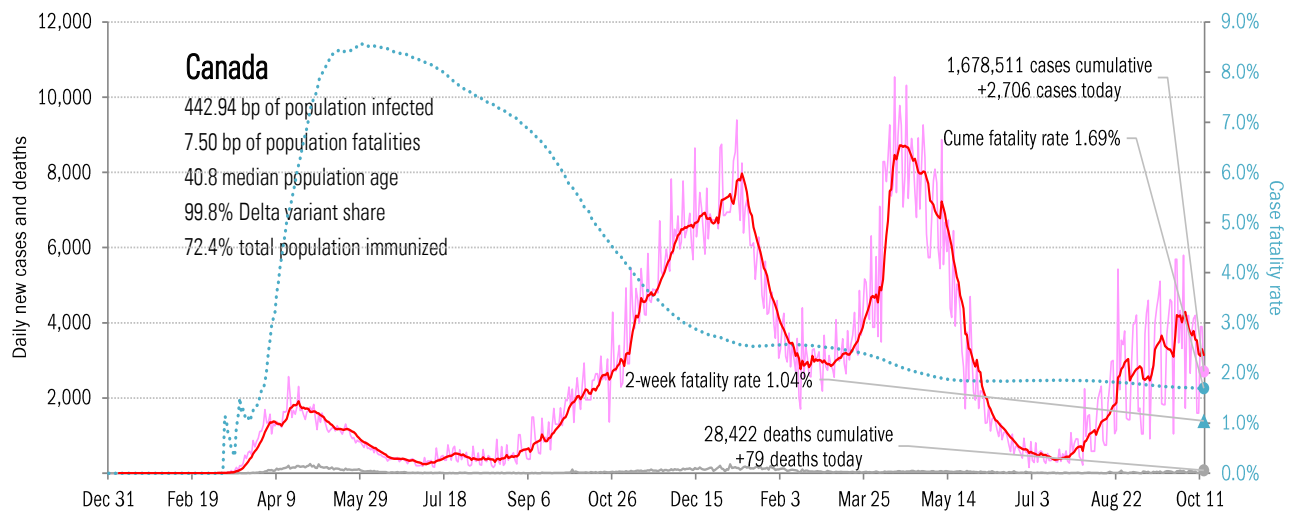
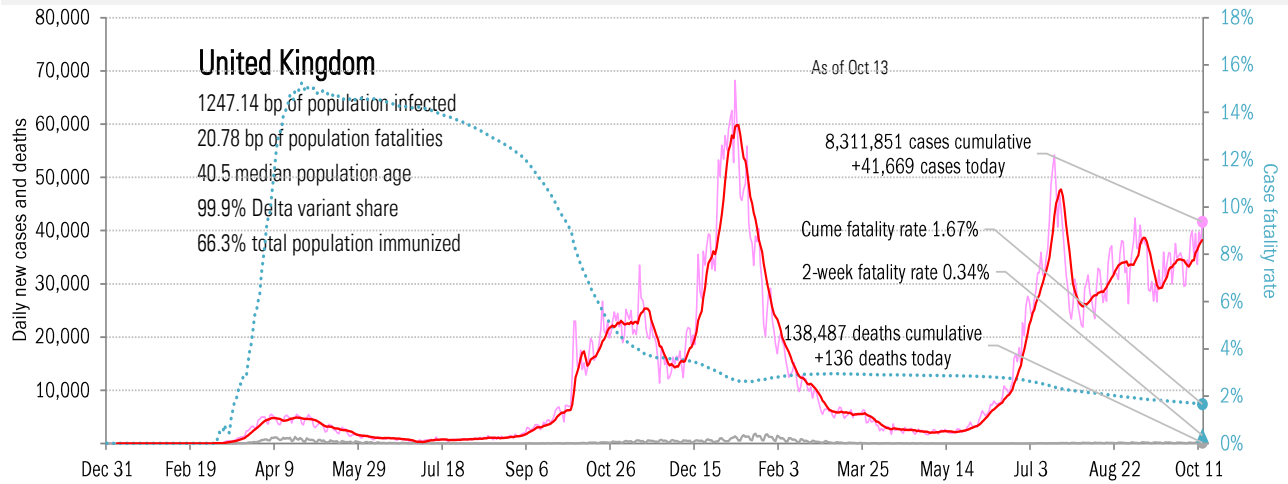
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

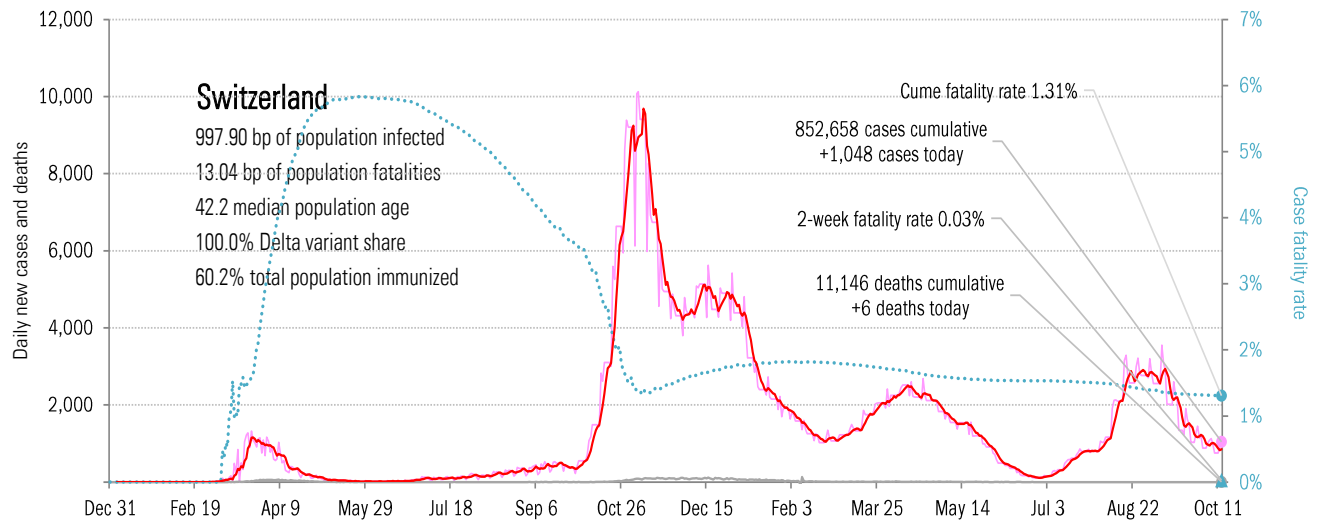
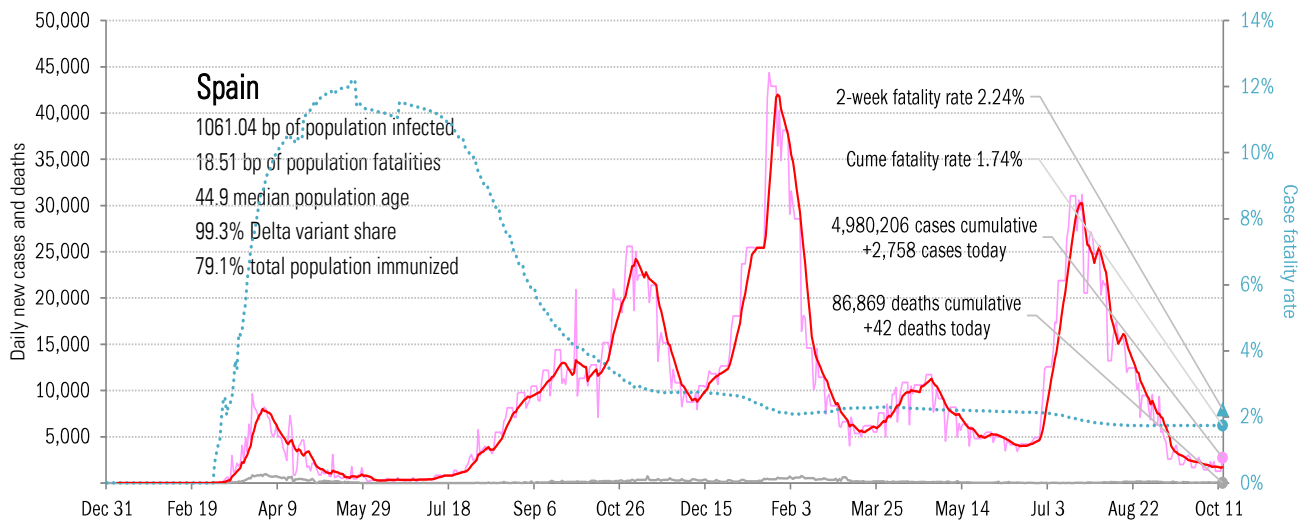
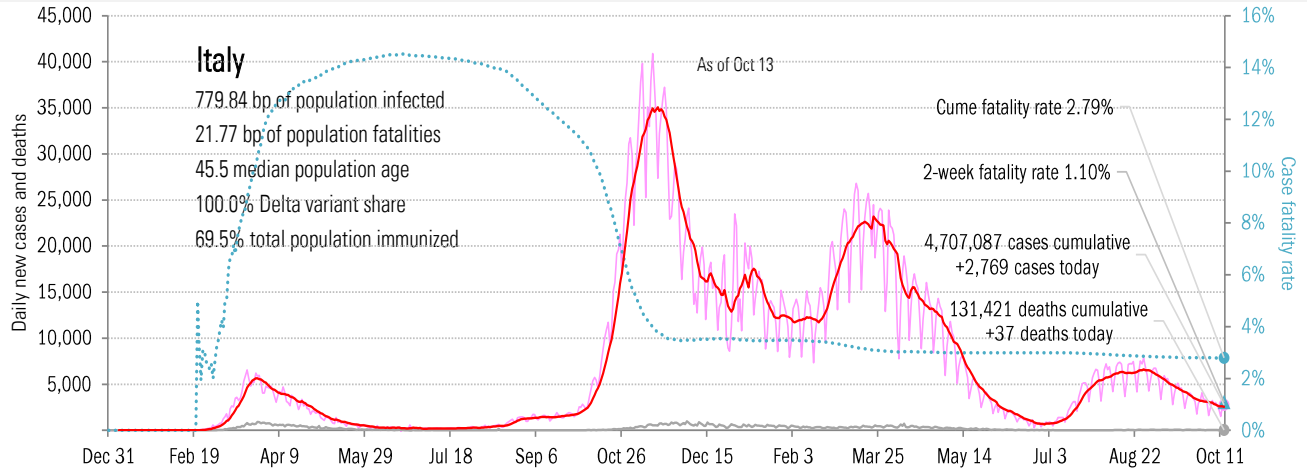


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

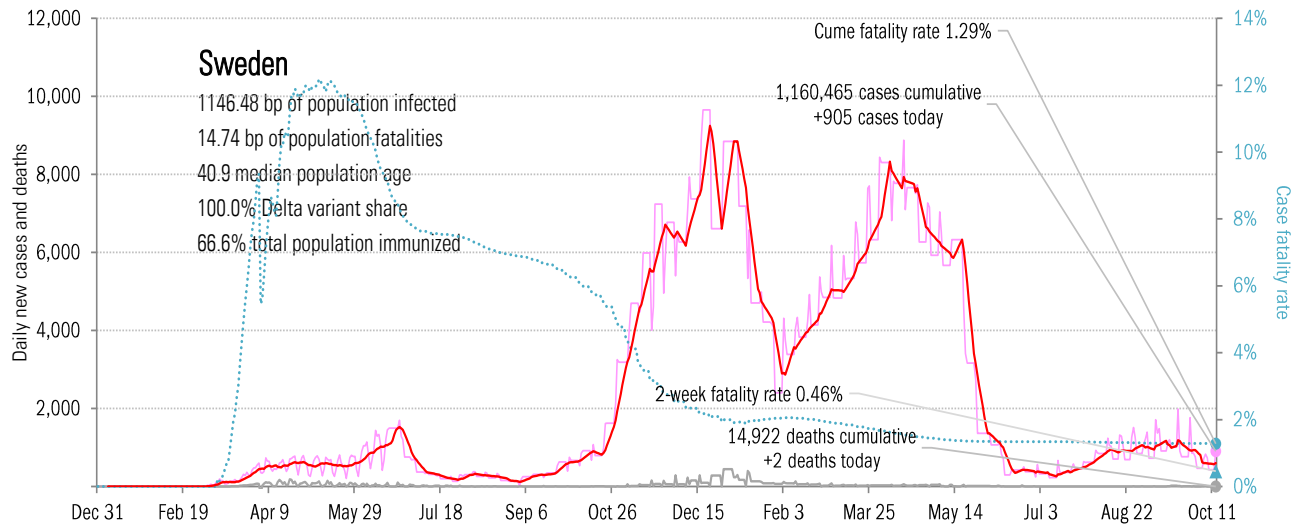
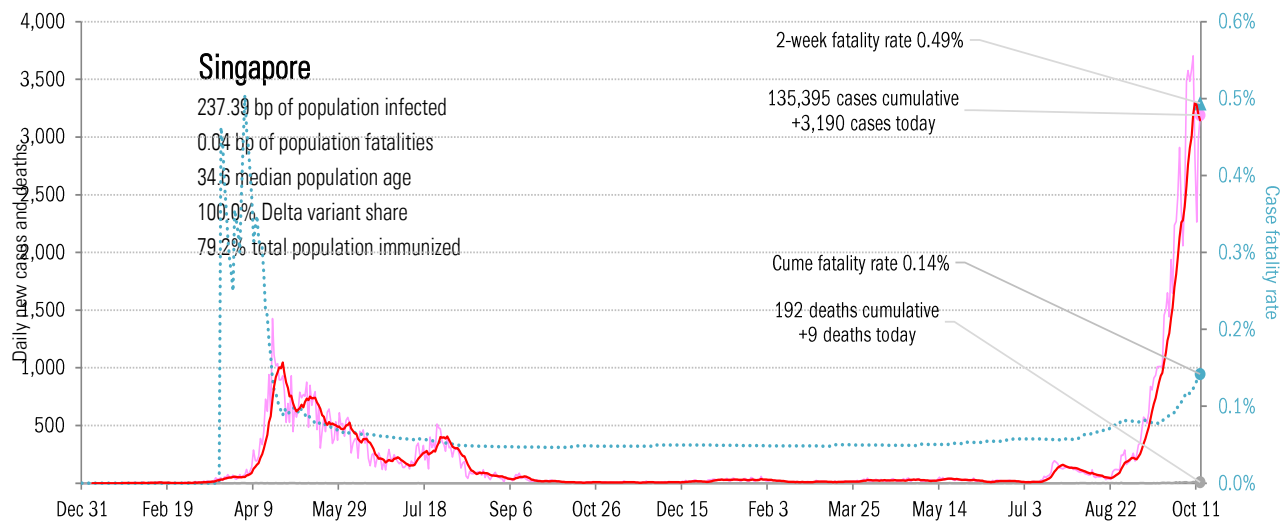
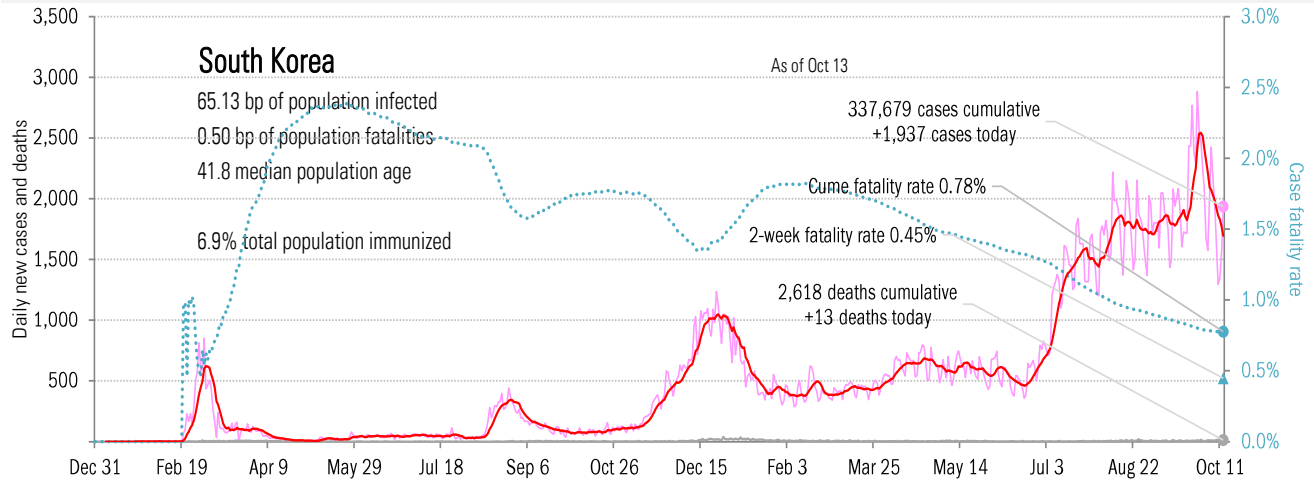
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

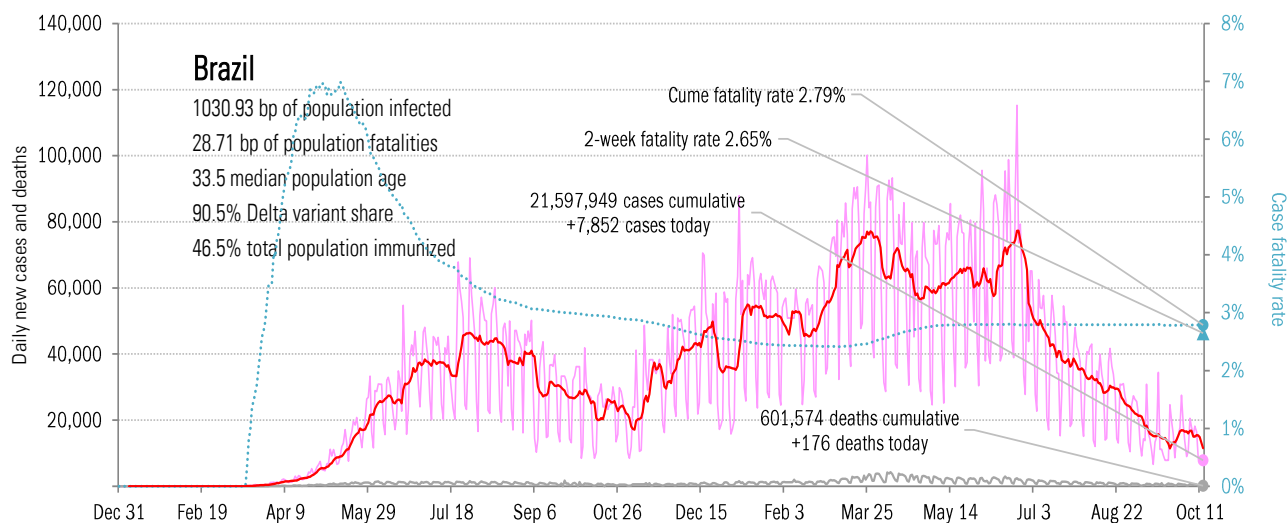
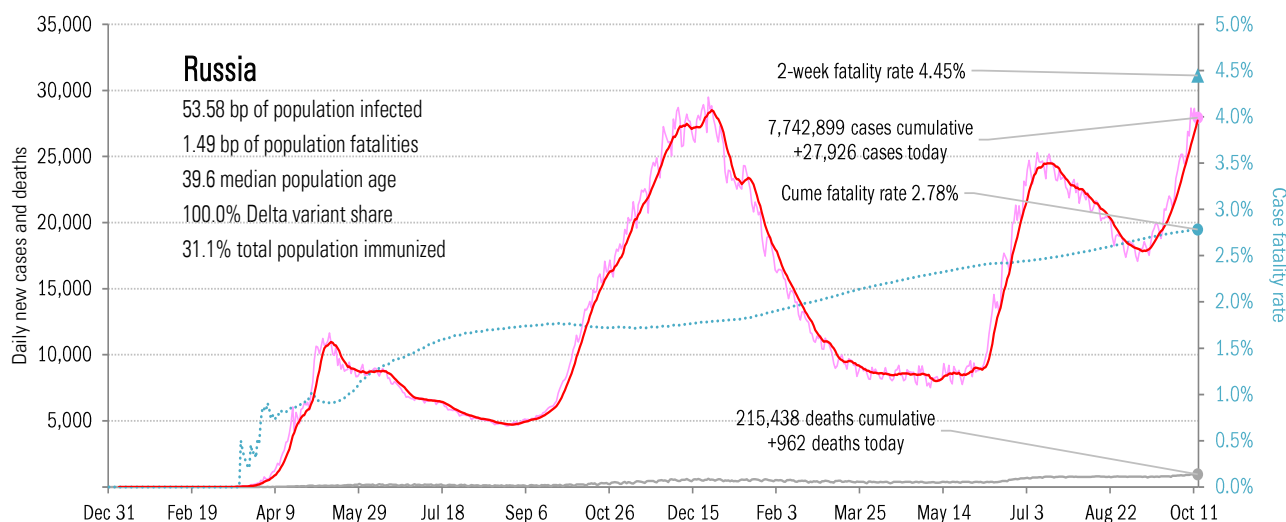
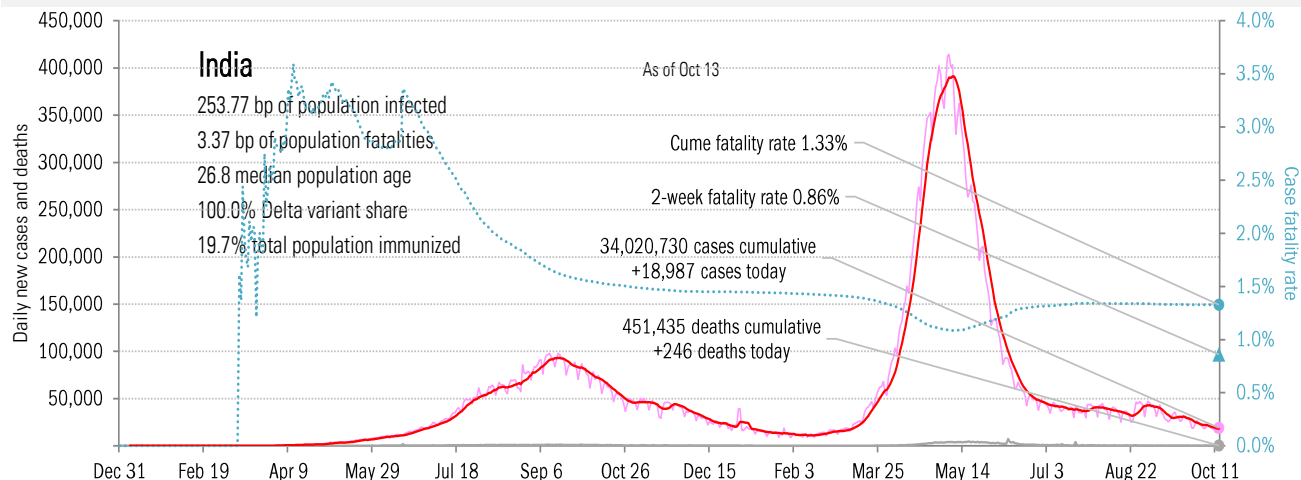
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

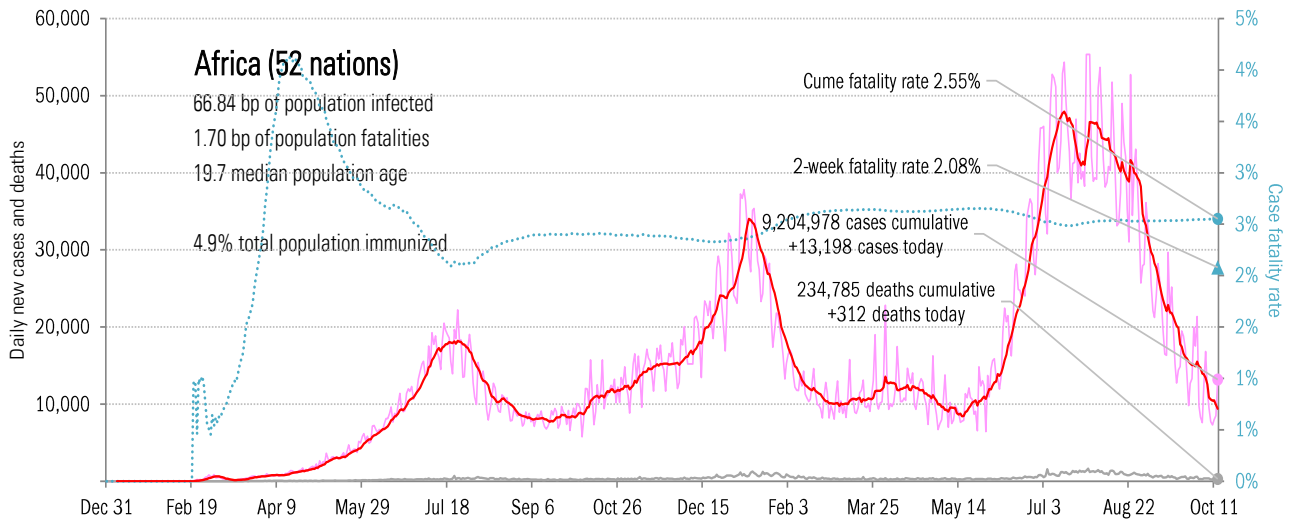
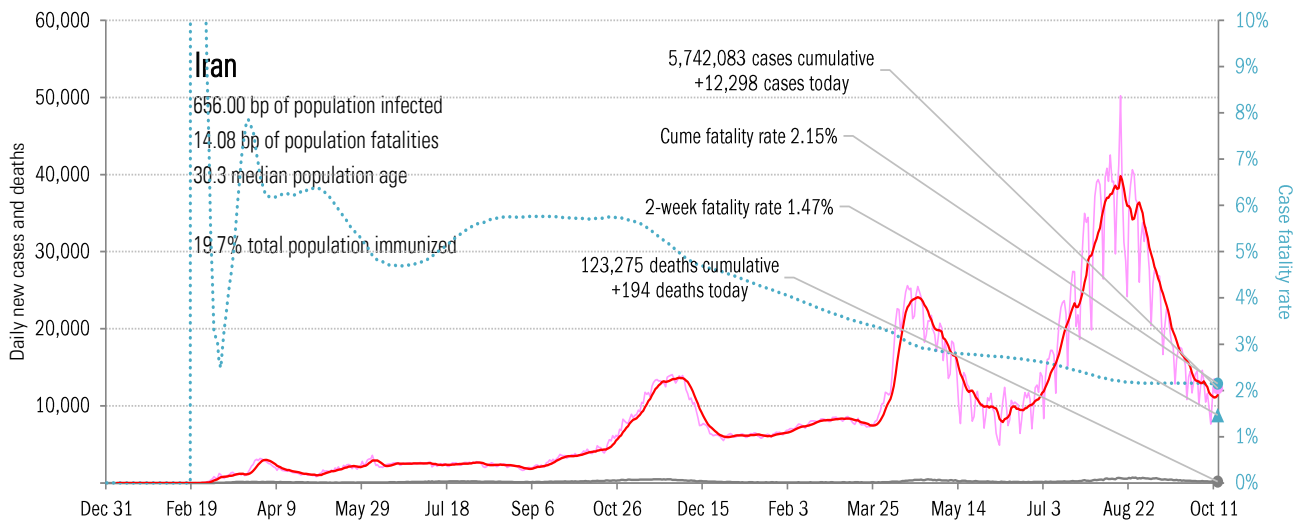
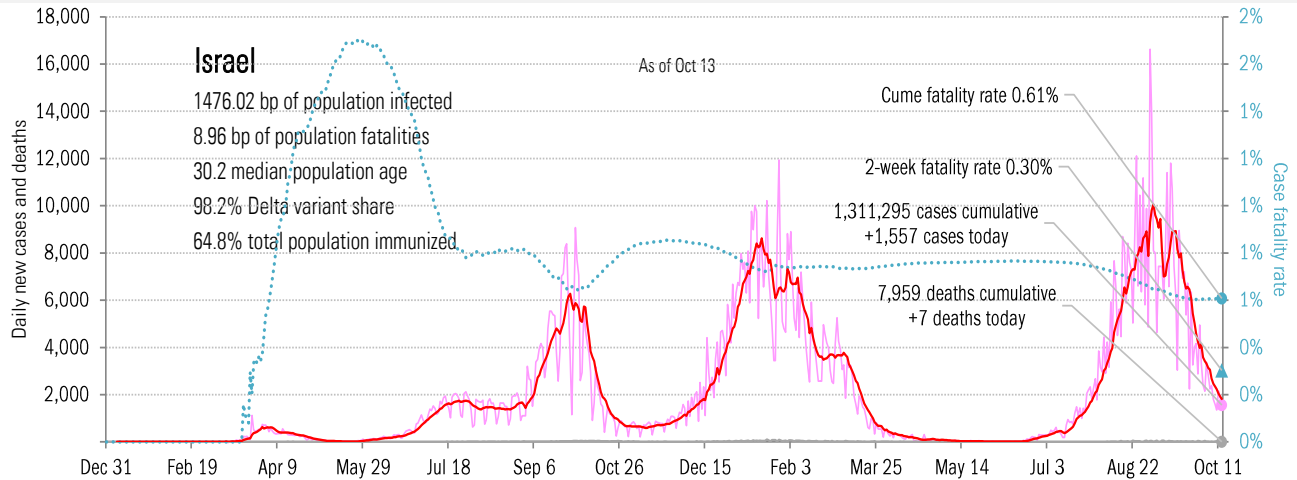
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

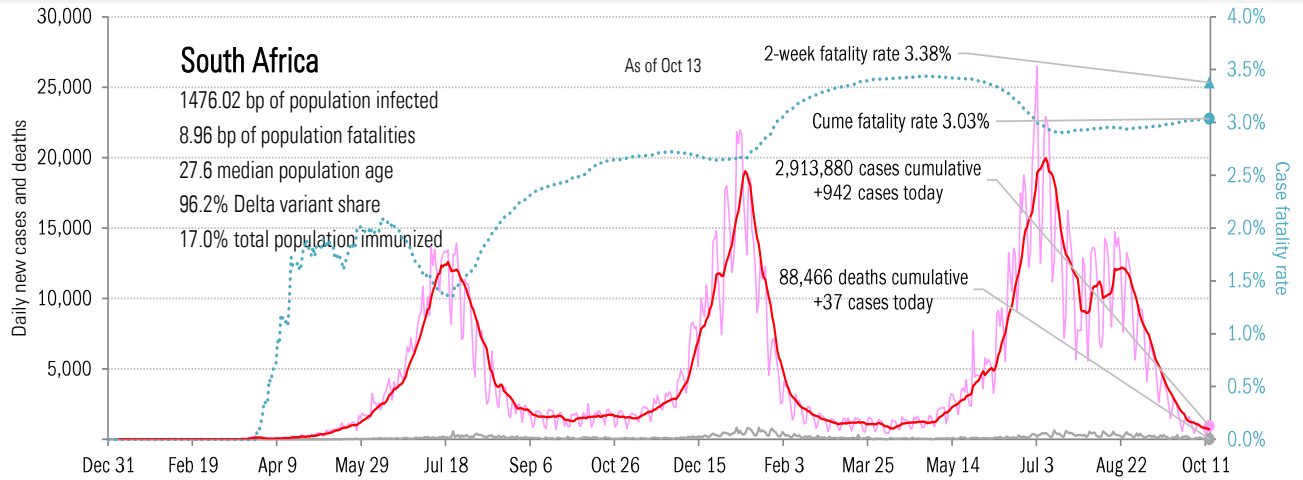
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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