

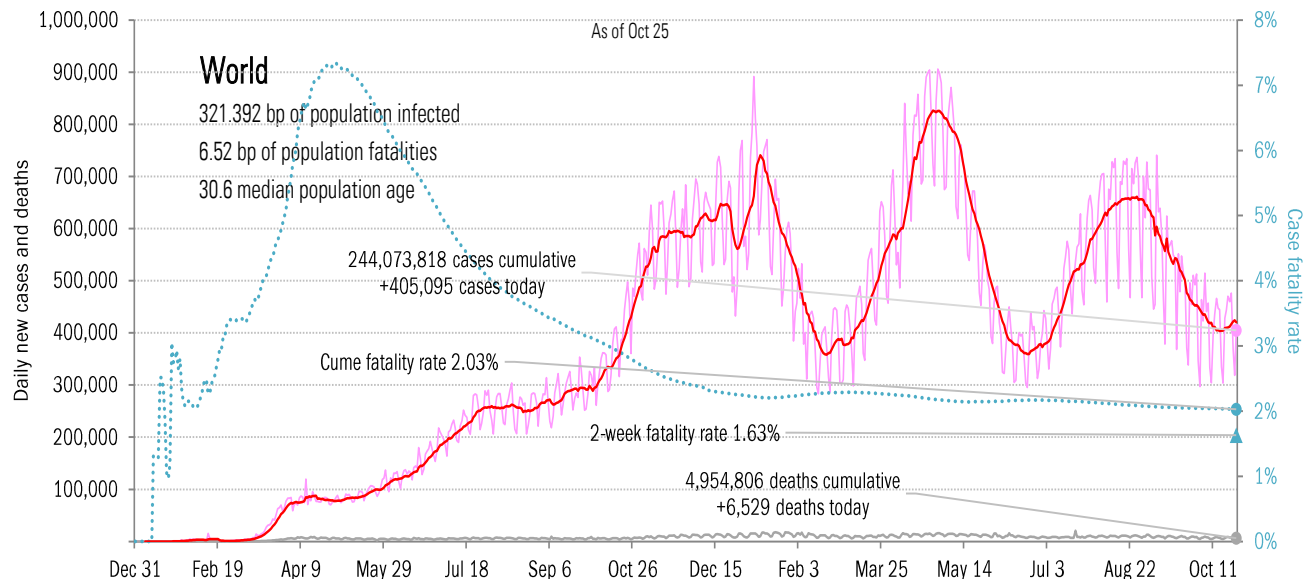
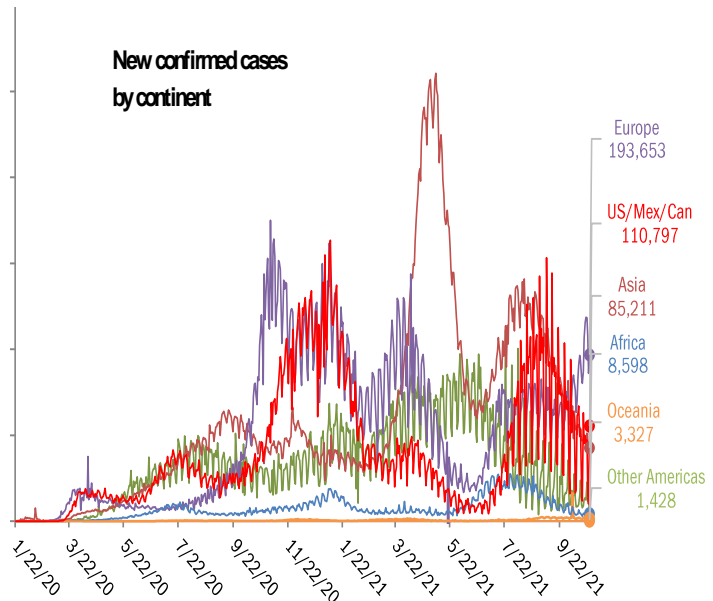
## Data Insights: Covid-2019 Monitor

Tuesday, October 26, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+104,979	United States	+1,384
Russia	+36,947	Russia	+1,042
United Kingdom	+36,369	Ukraine	+357
Turkey	+27,663	India	+356
Belgium	+15,842	Romania	+301
Ukraine	+15,617	Bulgaria	+243
India	+12,428	Mexico	+237
Germany	+9,359	Turkey	+232
Romania	+9,187	Brazil	+160
Thailand	+8,675	Philippines	+149
<b>+277,066</b>		<b>+4,461</b>	
World	+405,095	World	+6,529
Top ten	68%	Top ten	68%



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)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

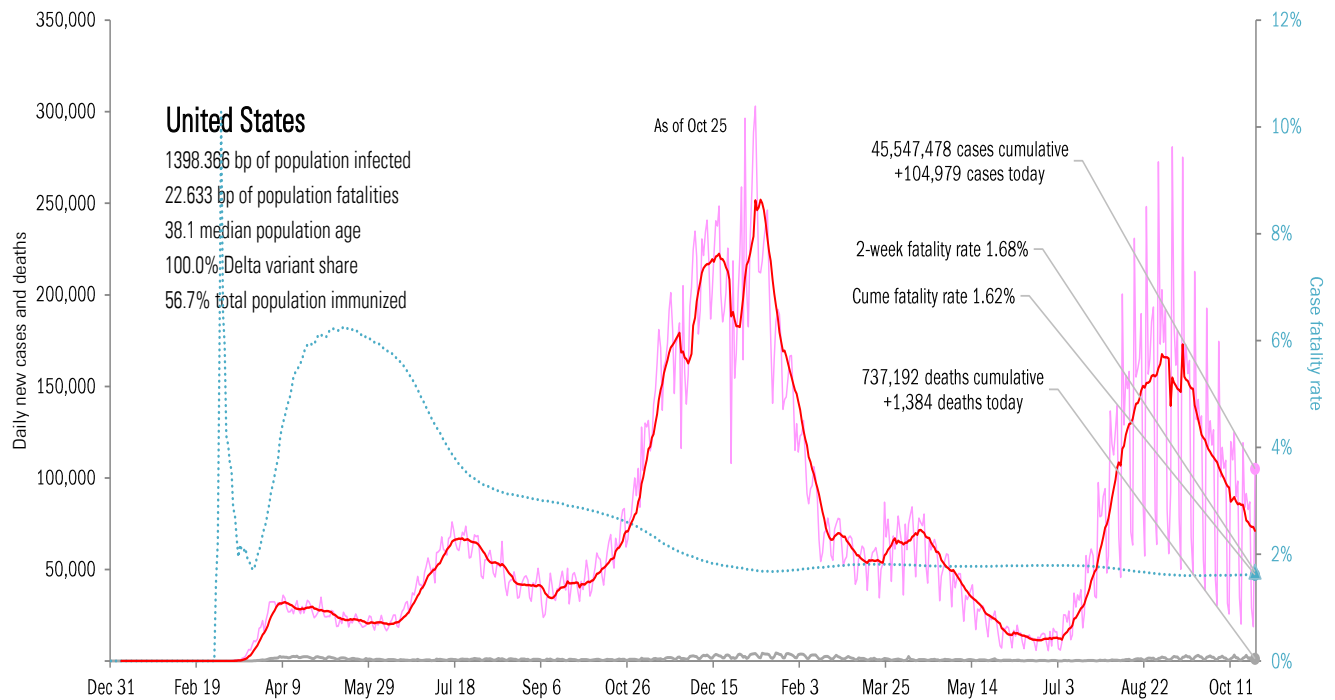
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	+8,572		GA	+120		GA	+118		CA	4,855,616		CA	71,443		TX	372,347		RI	84%	NM	88%
CO	+6,886		FL	+113		AZ	+31		TX	4,215,539		TX	70,335		FL	316,869		MD	83%	TX	88%
WA	+5,804		NC	+102		MI	+24		FL	3,678,981		FL	58,783		CA	307,197		CT	82%	ID	88%
NC	+5,745		CA	+93		MT	+24		NY	2,537,823		NY	56,270		NY	162,176		PA	82%	AK	88%
IL	+5,140		SC	+87		CA	+23		IL	1,686,048		PA	30,976		GA	158,700		MA	82%	NH	86%
TX	+5,073		KY	+81		NM	+22		GA	1,628,166		GA	28,639		CH	121,291		MN	81%	MT	86%
NY	+4,668		VA	+77		MN	+20		PA	1,540,721		IL	28,081		PA	114,757		WA	81%	KY	86%
WI	+4,513		TX	+72		MO	+8		CH	1,524,169		NJ	27,863		KY	110,490		NY	80%	CO	85%
VA	+3,945		IL	+58		AR	+6		NC	1,469,155		CH	23,955		IL	103,798		MO	79%	DE	84%
UT	+3,636		CO	+57		OR	+6		TN	1,272,558		MI	23,366		MI	89,649		MI	79%	OK	84%
<b>+53,982</b>			<b>+860</b>			<b>+282</b>			<b>24,408,776</b>			<b>419,711</b>			<b>1,857,274</b>						
All states	+104,979			+1,384			-273		All states	45,547,478			737,192			3,315,278		All states	70%		67%
Top ten	51%			62%			-103%		Top ten	54%			57%			56%		Median	74%		76%

Some states not reporting

## Five most improved US states

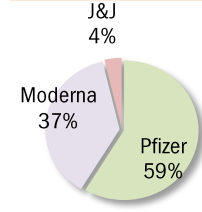
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-1,326	AZ	-12	KY	-80	AK	+10 bp
CH	-215	MD	-5	CH	-71	AR	+10 bp
MD	-205	AR	-3	PA	-43	AZ	+10 bp
VT	-131	H	-3	CA	-36	CA	+10 bp
PA	-120	AL	-1	ND	-24	CT	+10 bp



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

# Rolling out the vaccines in the US and the world

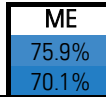
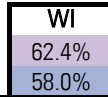
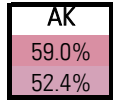
Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	425,966,870		+0.665 million		US	56.7%	65.6%	
	One dose	% Pop	Immune	% pop	New immune today	UK	66.8%	72.9%
Total population	226,162,056	68%	195,696,026	59%	+0.120 million	France	67.5%	75.5%
Age 12 to 17	14,160,130	60%	11,731,338	49%	+0.014 million	Spain	79.7%	81.3%
Age 18 to 64	156,410,903	77%	135,087,629	66%	+0.089 million	Germany	65.7%	68.6%
Age 65 and over	54,486,331	100%	47,966,313	88%	+0.016 million	Italy	70.9%	77.0%
						Australia	61.0%	73.2%
						Israel	65.1%	70.8%
						Canada	73.7%	78.1%
						Japan	70.5%	77.1%
						Africa	5.5%	8.4%
						India	21.9%	51.6%
						Brazil	54.0%	74.1%
						China	72.6%	76.2%



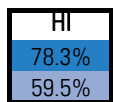
State
At least partial immunity as % population
Full immunity as % population



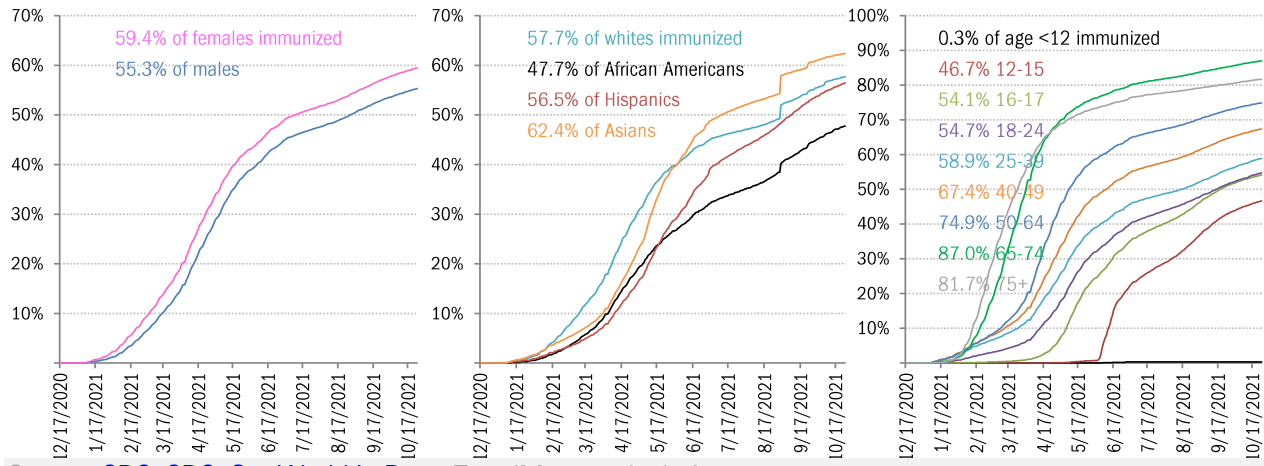
Every American >18 immune in **104 days** by Feb 5, 2022  
 70.9% of population >18 immunized  
 16.2% previously tested positive  
**87.1%** vs 60% adult herd immunity



WA: 68.9% / 63.0%	ID: 48.7% / 43.5%	MT: 56.3% / 50.0%	ND: 52.9% / 45.9%	MN: 64.8% / 59.6%	IL: 69.6% / 54.4%	MI: 57.9% / 53.3%	NY: 73.6% / 66.2%	VT: 79.2% / 70.9%	NH: 74.2% / 62.7%	
OR: 68.1% / 62.6%	NV: 62.8% / 52.6%	WY: 50.3% / 43.5%	SD: 61.2% / 52.2%	IA: 59.2% / 55.2%	IN: 53.5% / 49.6%	OH: 55.6% / 51.6%	PA: 76.5% / 60.1%	NJ: 74.5% / 66.0%	MA: 79.5% / 69.4%	
CA: 74.0% / 60.9%	UT: 60.7% / 53.0%	CO: 67.3% / 61.2%	NE: 60.6% / 55.9%	MO: 56.5% / 49.5%	KY: 62.5% / 54.5%	WV: 48.8% / 41.0%	VA: 70.5% / 62.7%	MD: 72.5% / 65.8%	CT: 78.4% / 70.4%	RI: 77.5% / 70.5%
	AZ: 60.9% / 52.8%	NM: 75.7% / 65.7%	KS: 62.0% / 52.9%	AR: 57.6% / 47.7%	TN: 54.2% / 47.3%	NC: 63.1% / 52.3%	SC: 57.1% / 49.6%	DC: 73.6% / 62.1%	DE: 68.6% / 59.6%	
			OK: 58.9% / 49.7%	LA: 53.6% / 47.4%	MS: 51.7% / 45.3%	AL: 54.1% / 44.4%	GA: 56.4% / 47.6%			
			TX: 61.0% / 53.0%					FL: 68.7% / 59.4%		PR: 81.8% / 73.3%



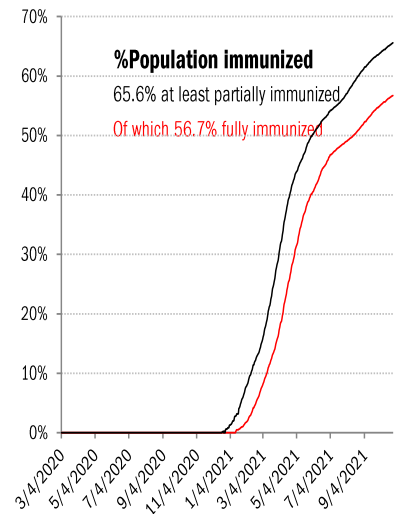
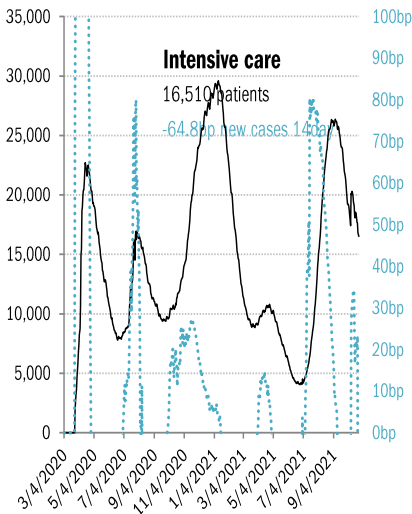
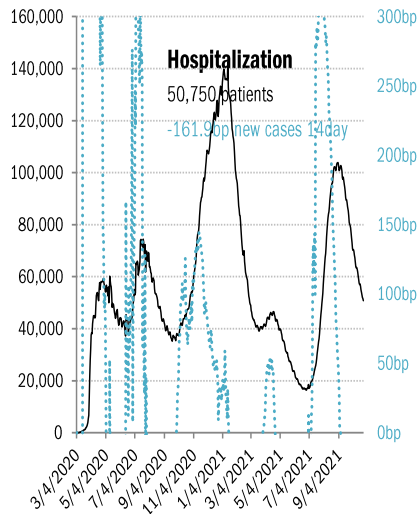
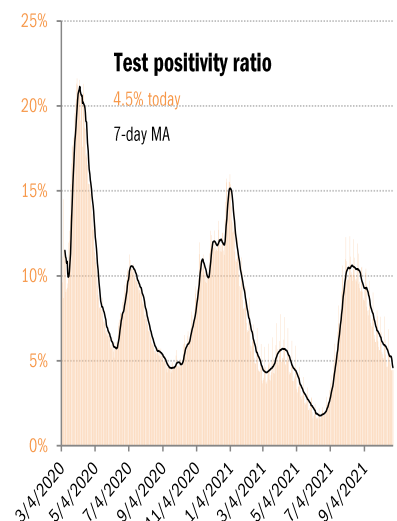
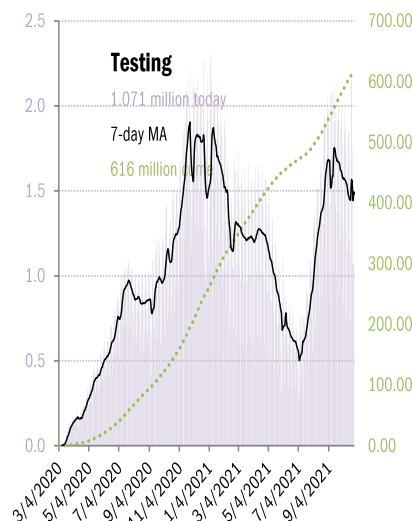
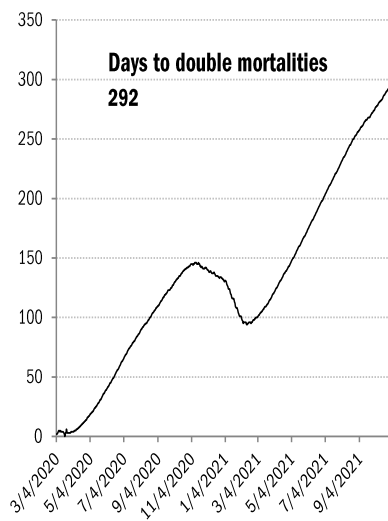
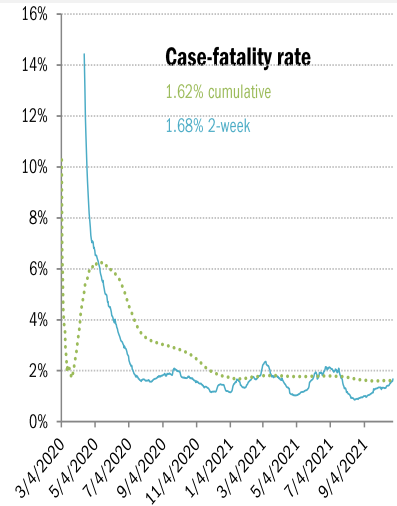
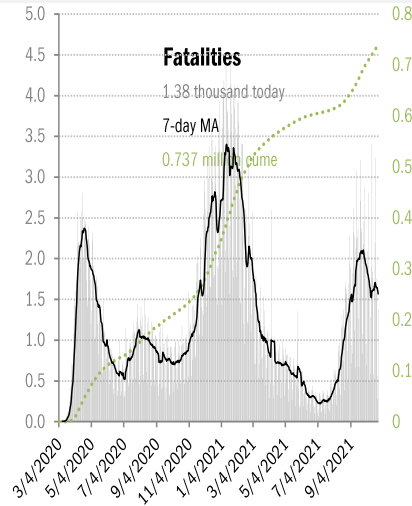
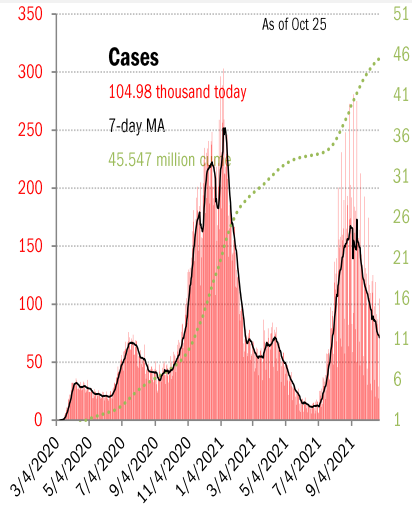
## The demographics of US vaccination



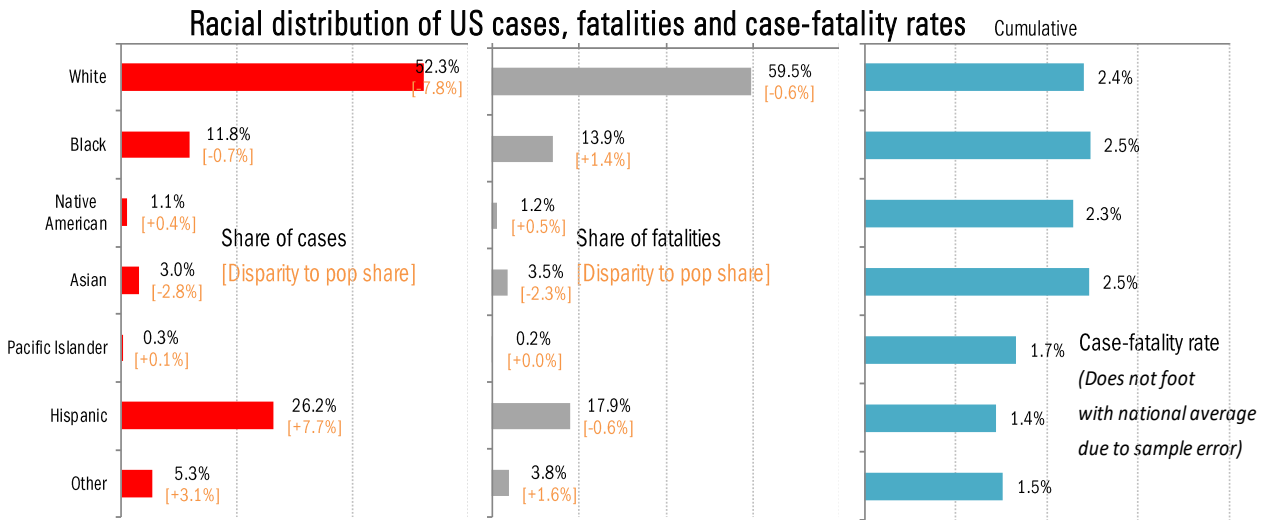
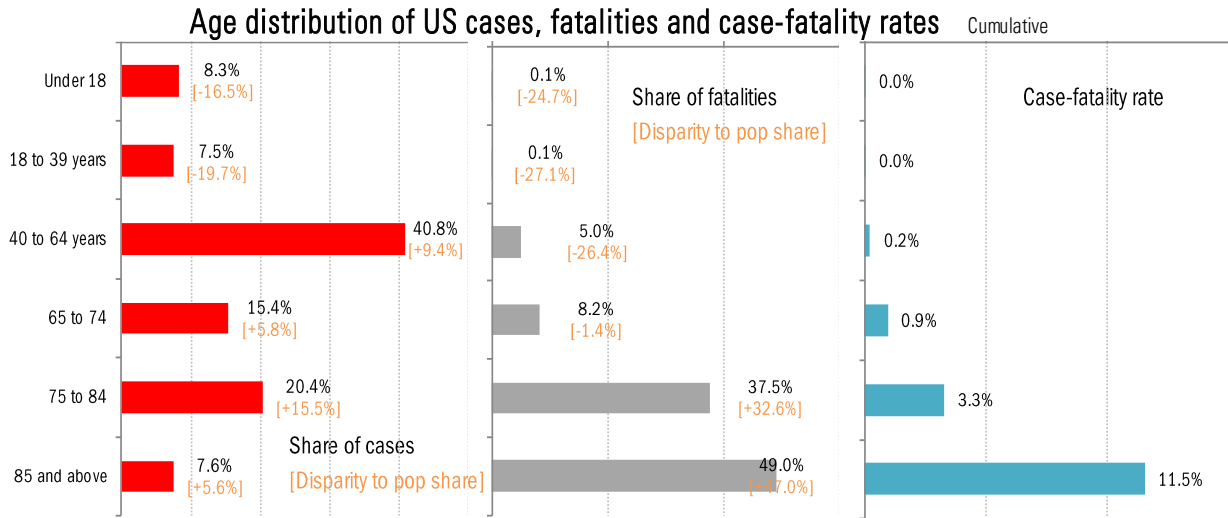
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

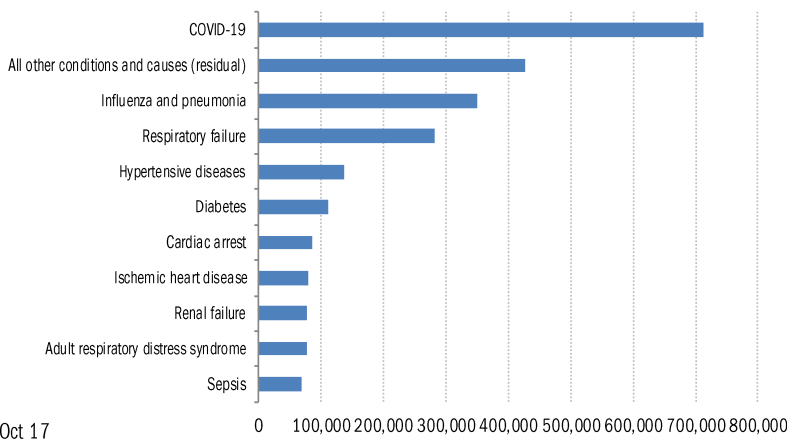


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Oct 17

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

[Experimenters Fed Puppies' Heads to Infected Flies, but That's Not All Fauci's NIH Funded](#)

Katherine Sullivan  
*PETA*  
October 25, 2021

[Fired After Endorsing Vaccines, Evangelical Insider Takes a Leadership Role](#)

Ruth Graham  
*New York Times*  
October 26, 2021

[China Locks Down Thousands in North to Contain Growing Outbreak](#)

*Bloomberg*  
October 24, 2021

[Florida educators tied mask to disabled student's face for 6 weeks without parents' consent, father says](#)

Audrey Conklin  
*Fox News*  
October 24, 2021

[Endemic Covid-19 Has Arrived in Portugal. This Is What It Looks Like.](#)

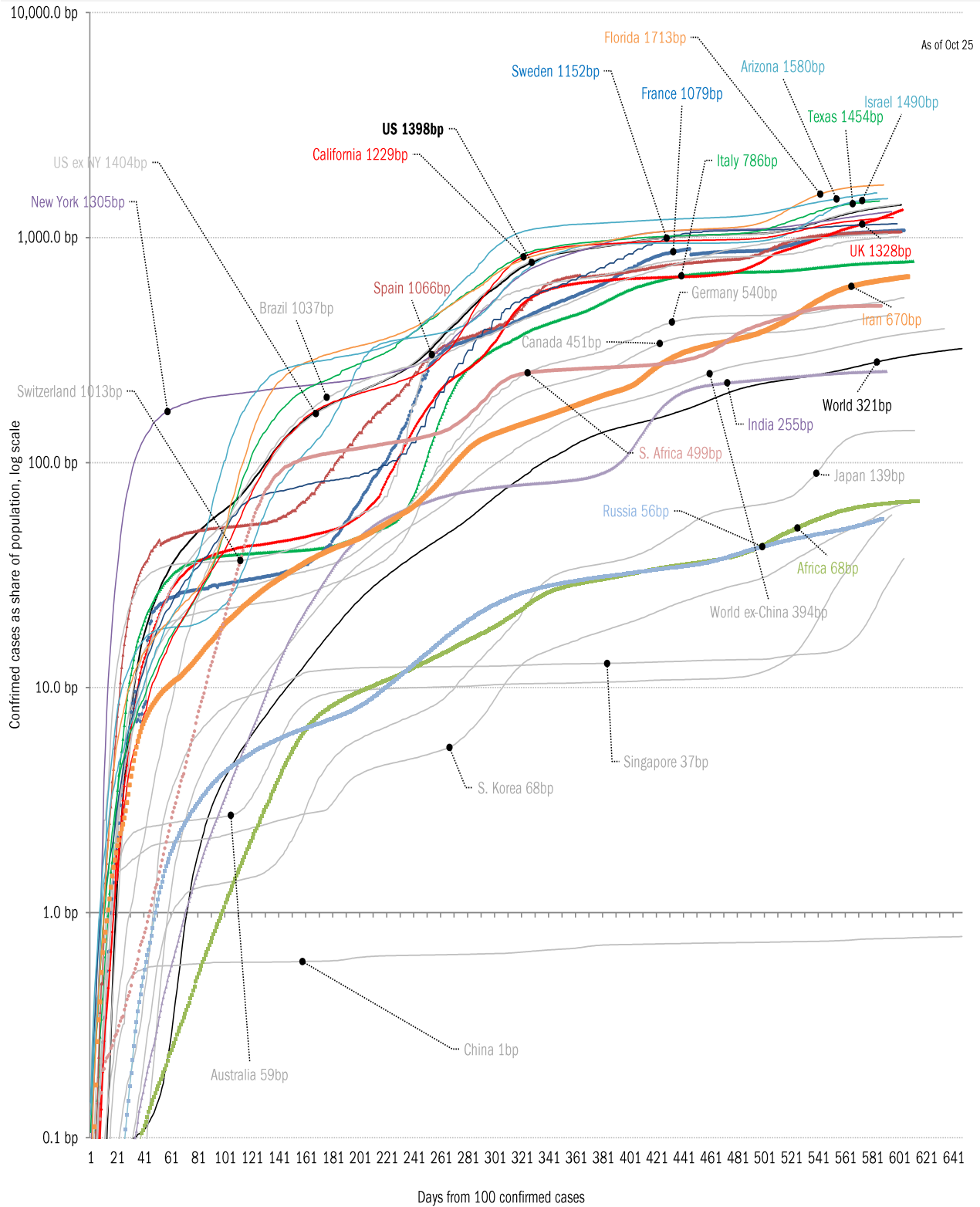
Eric Sylvers  
*New York Times*  
October 24, 2021

## Meme of the day



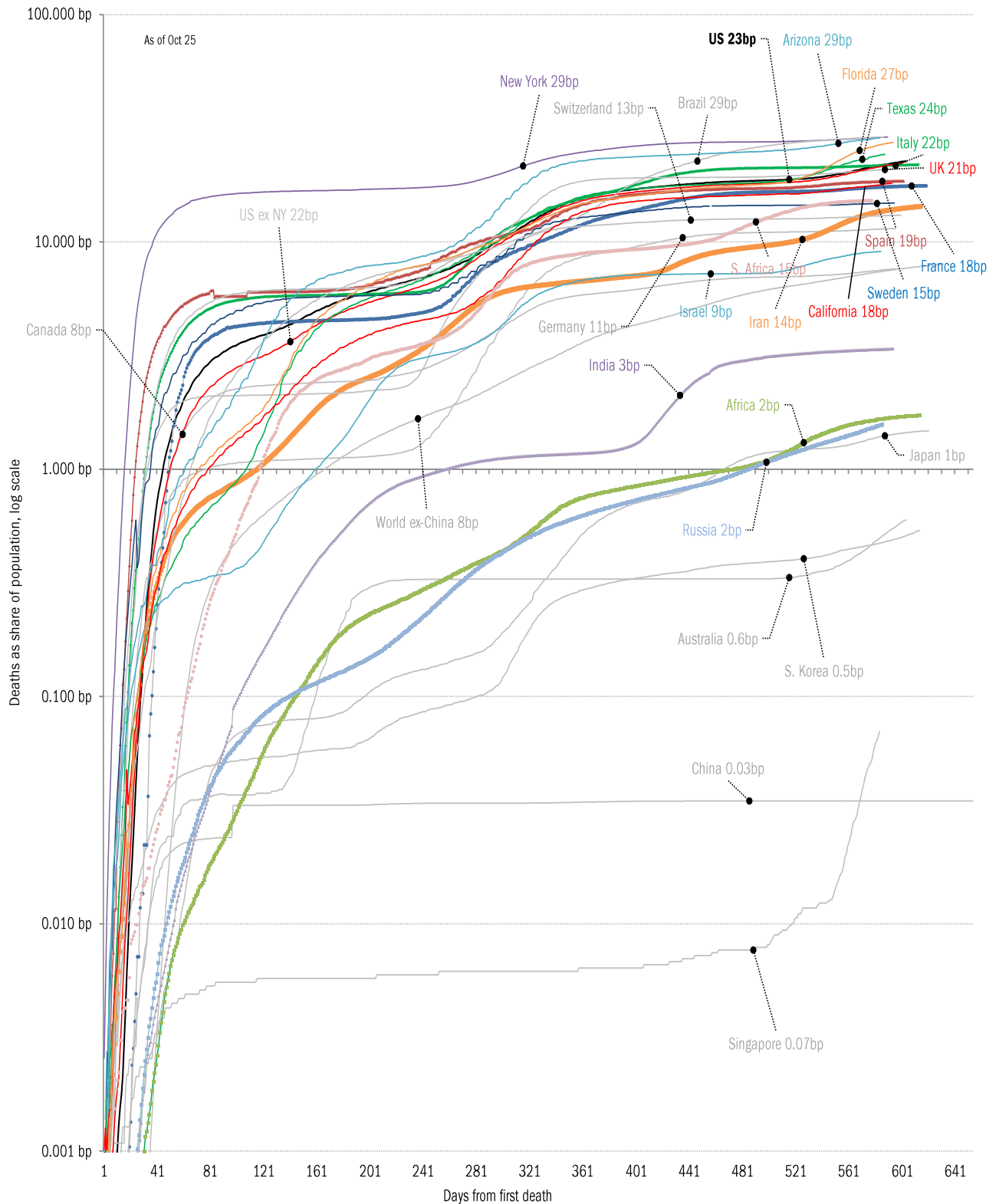
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



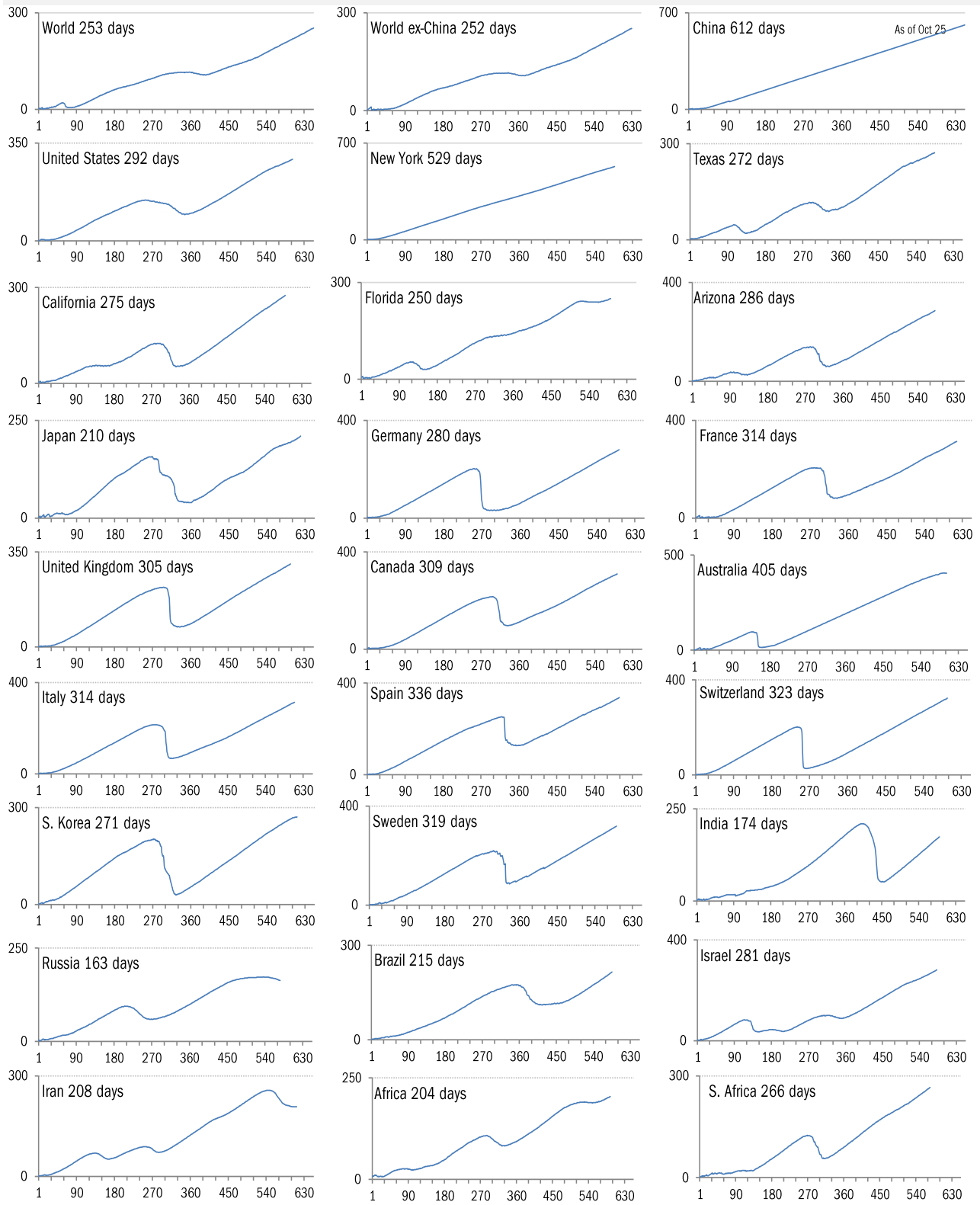
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

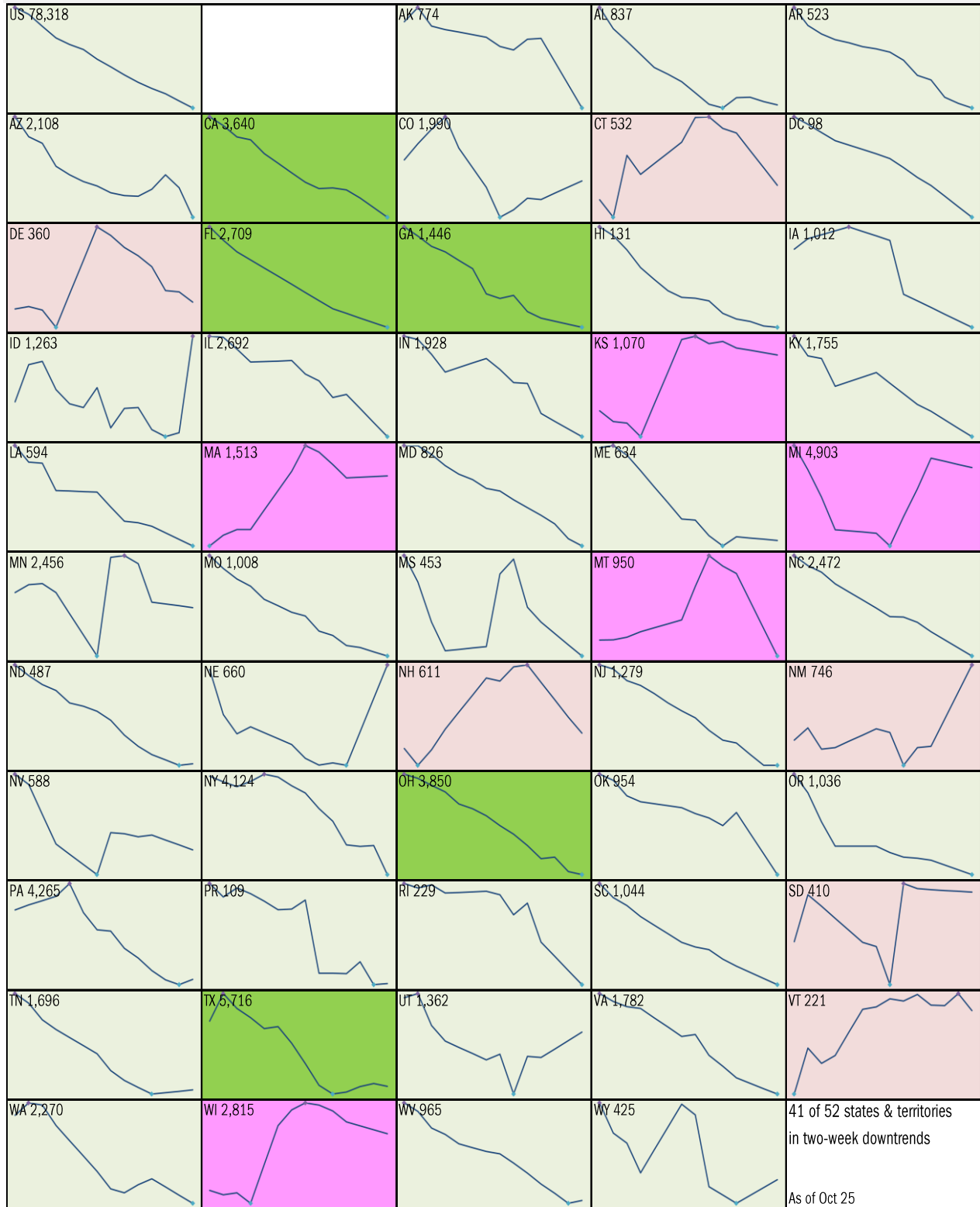


Source: [Johns Hopkins](#), TrendMacro calculations

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

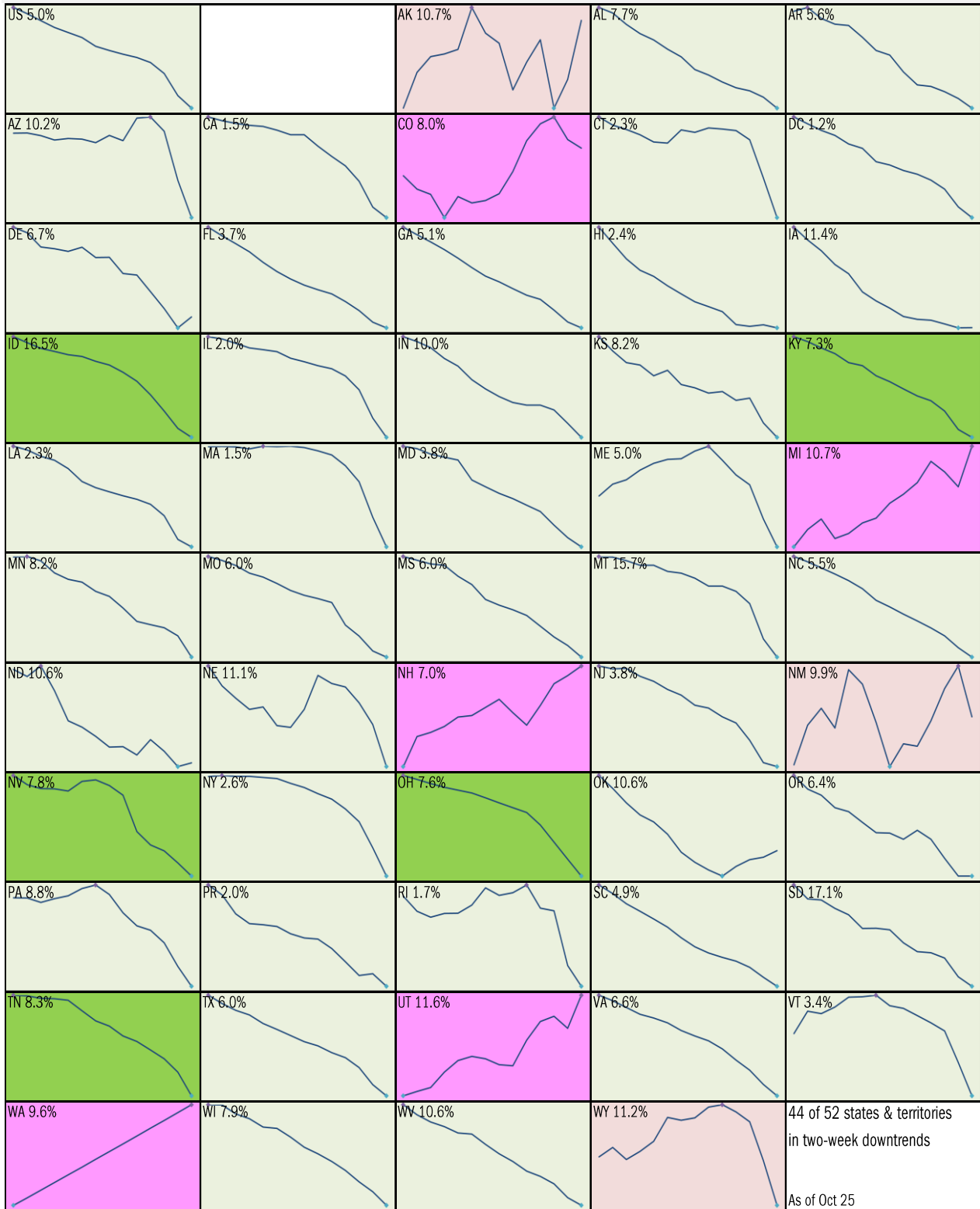
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

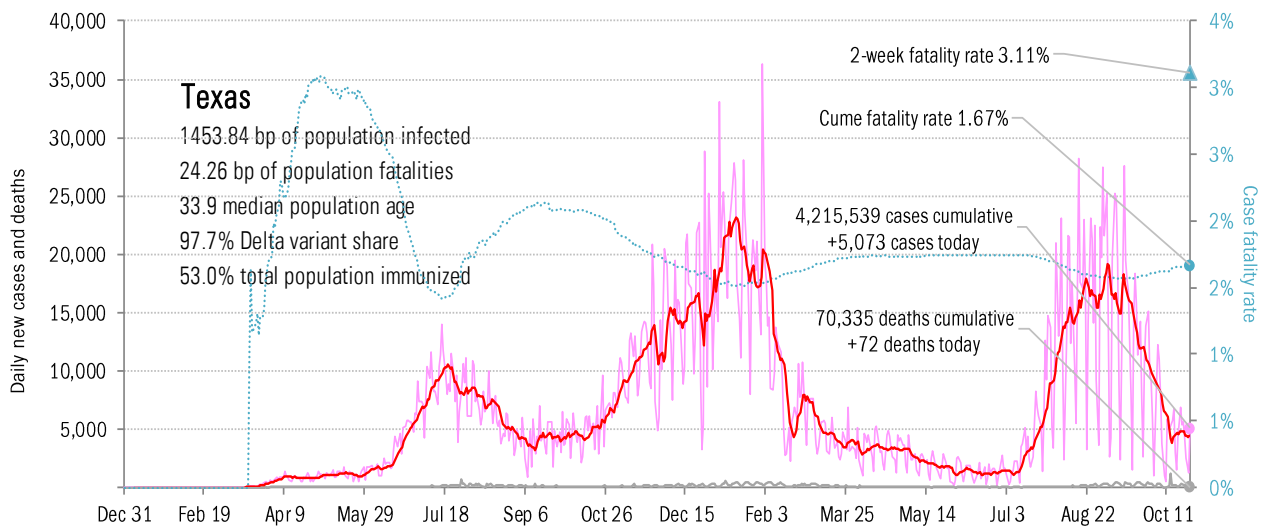
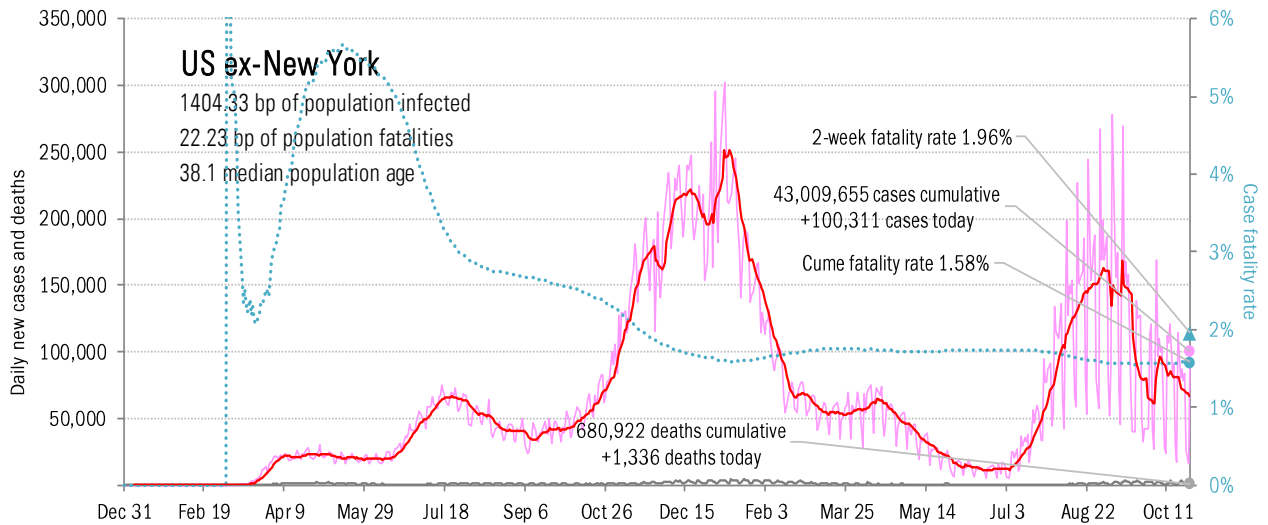
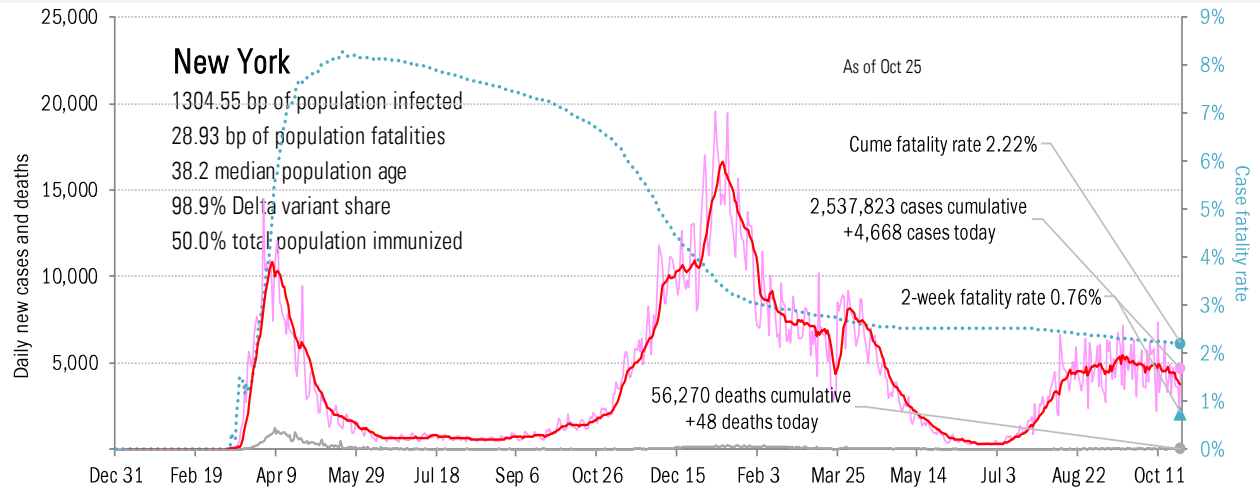
14-day moving average, last 14 days Most recent value displayed ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

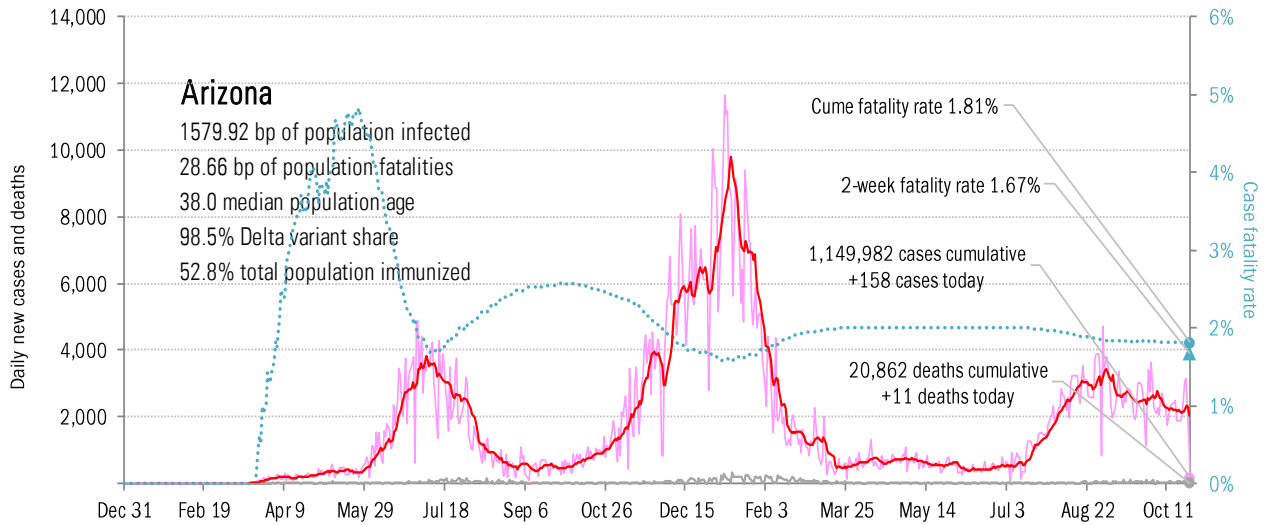
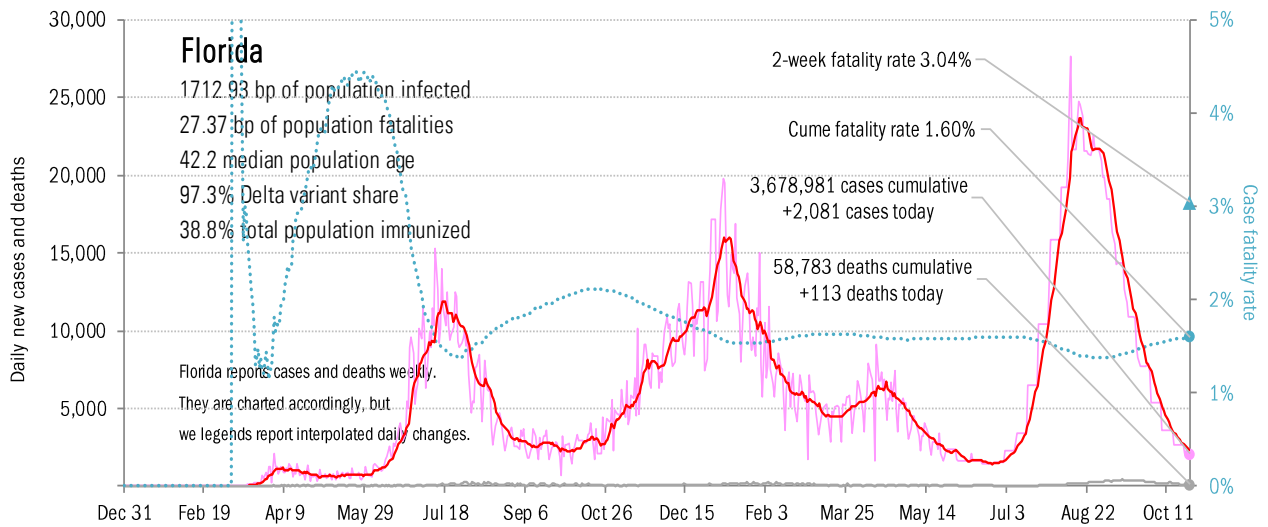
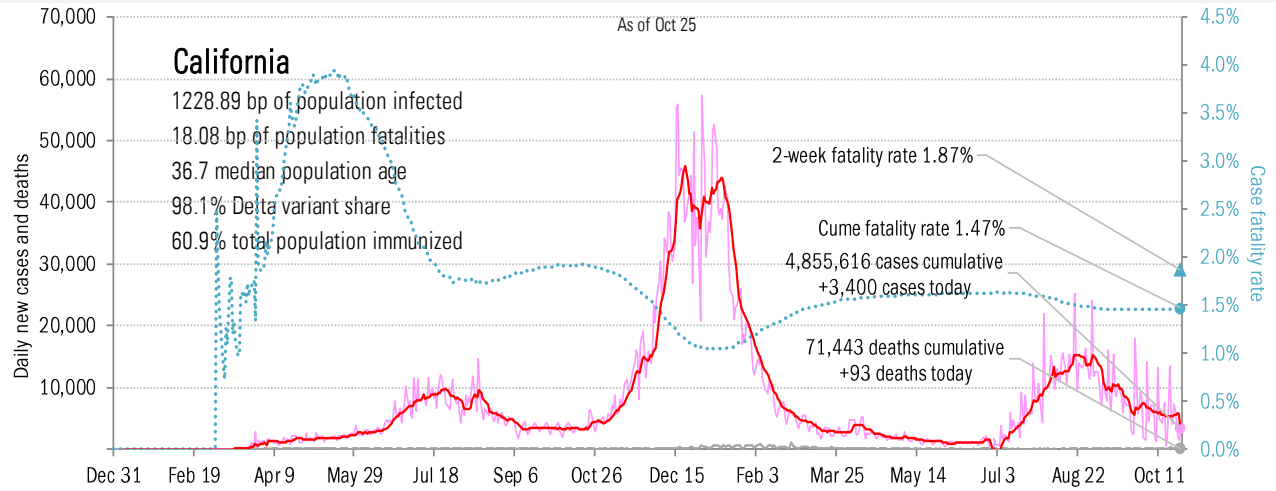
Cases: 7-day average and daily Deaths: Daily



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

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

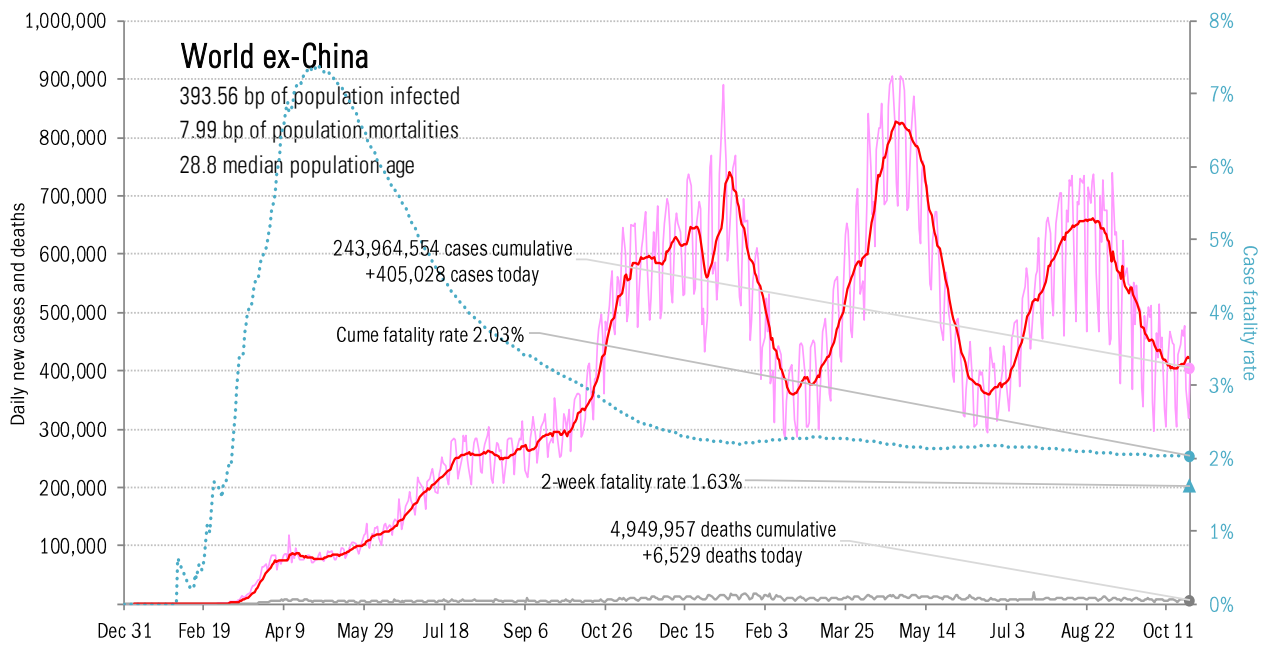
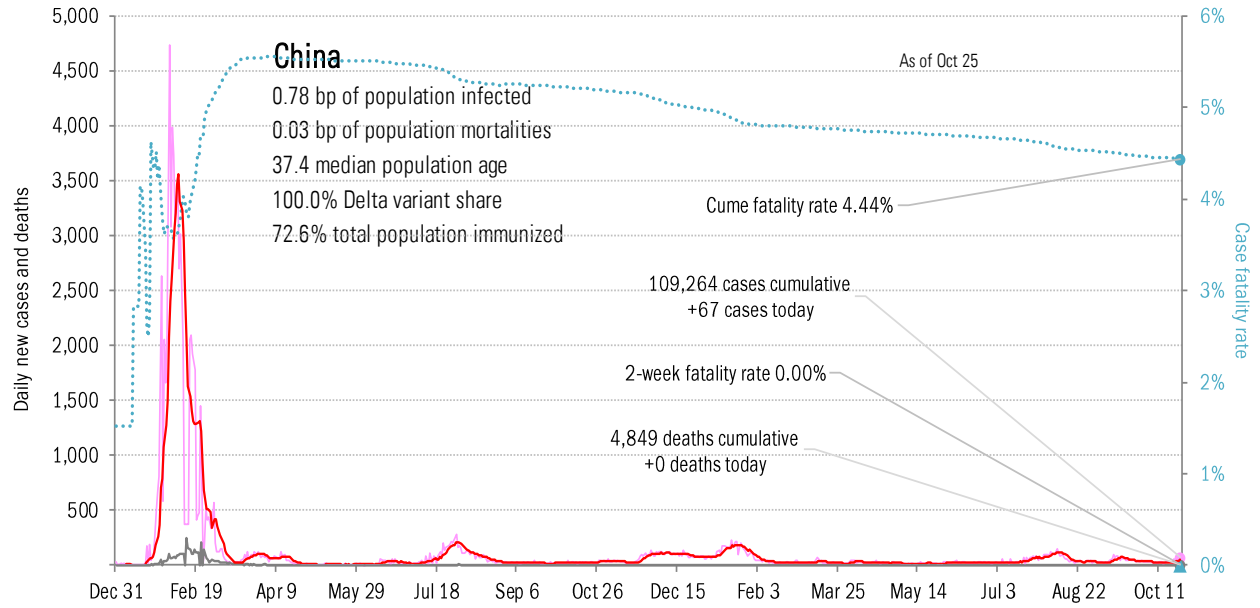
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

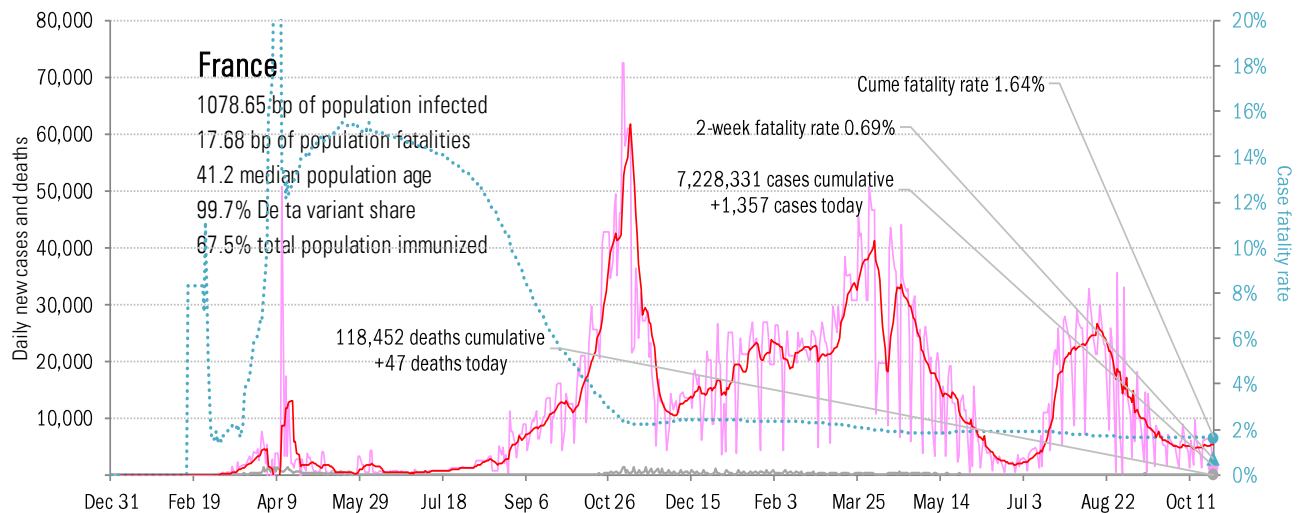
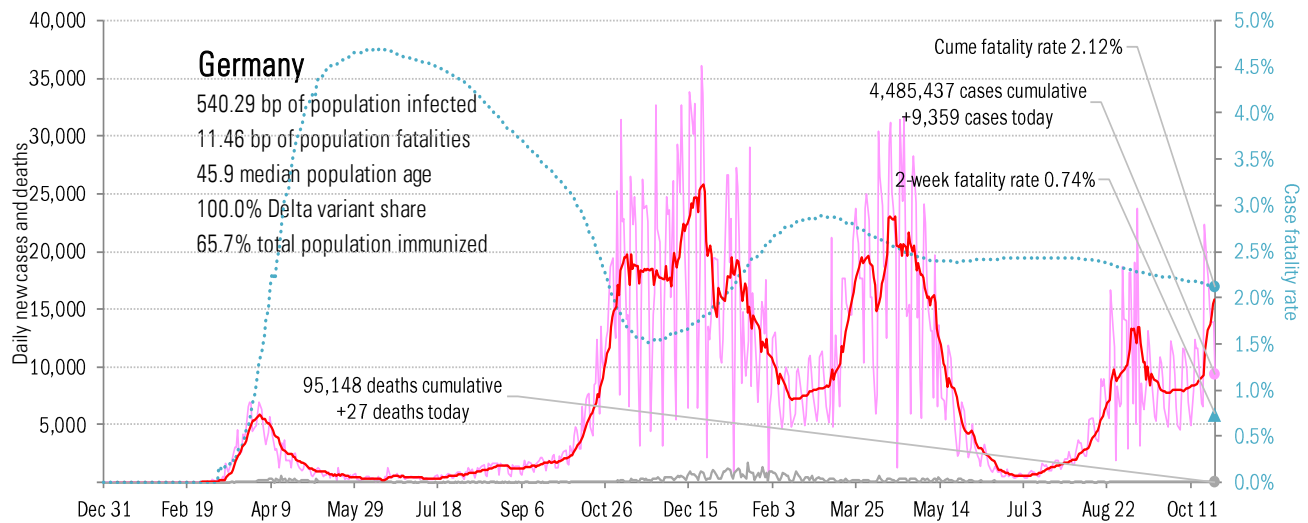
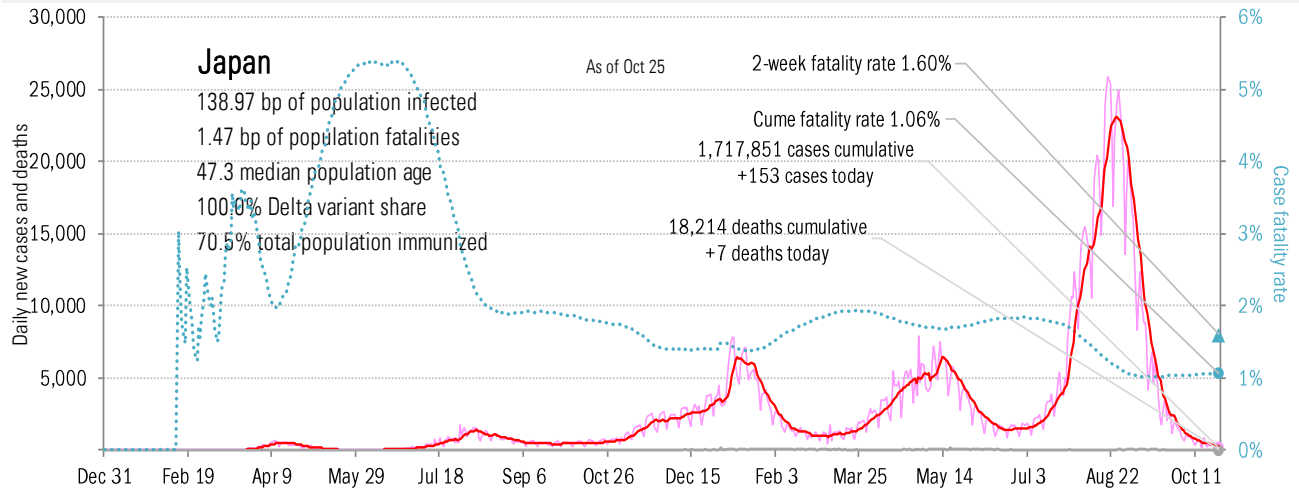
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

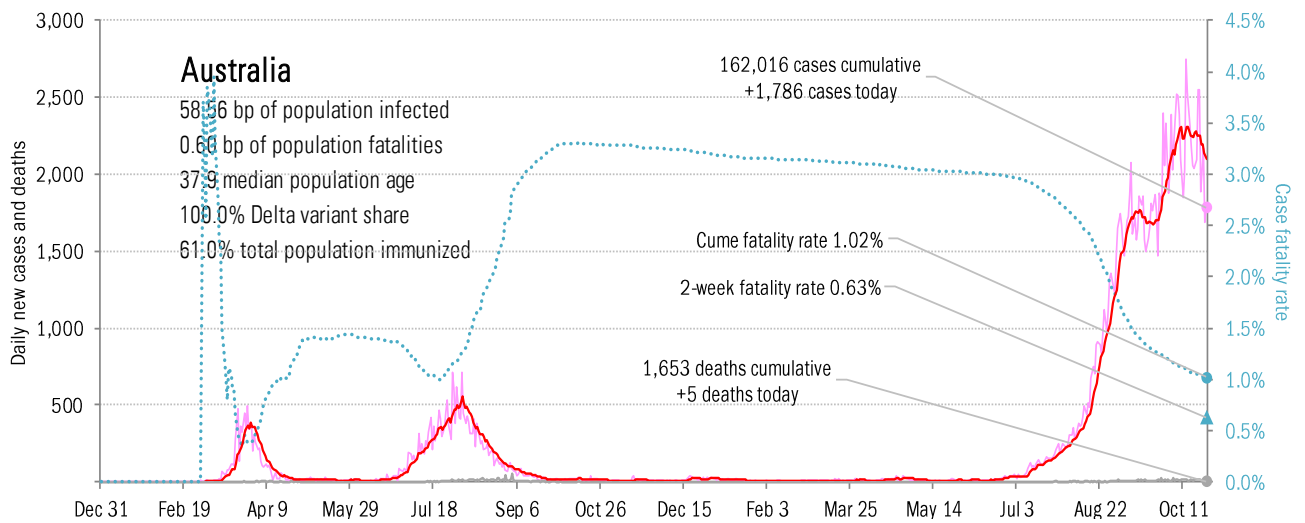
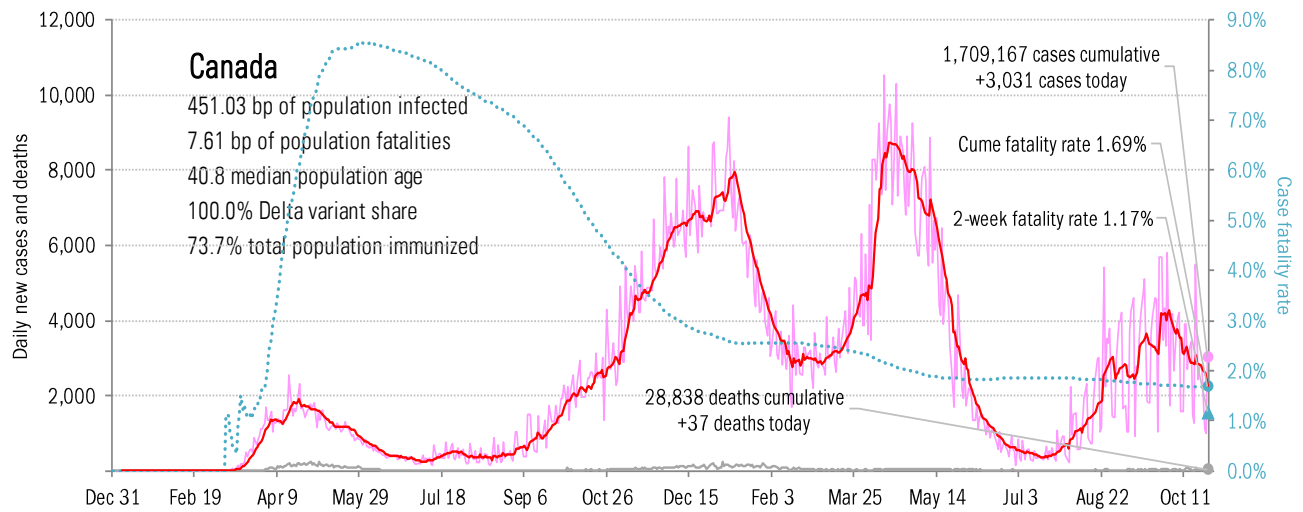
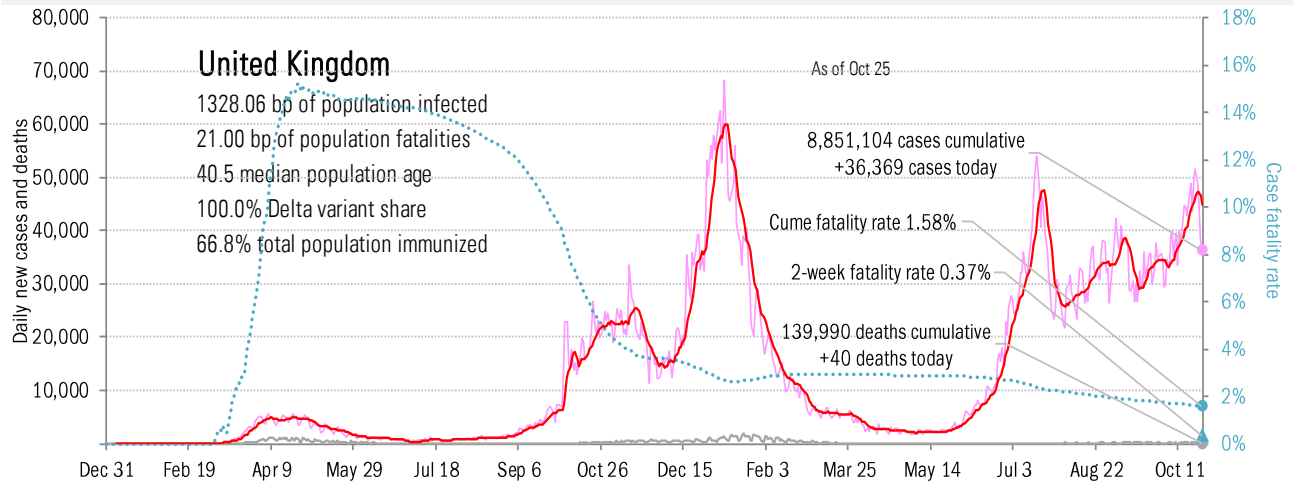
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

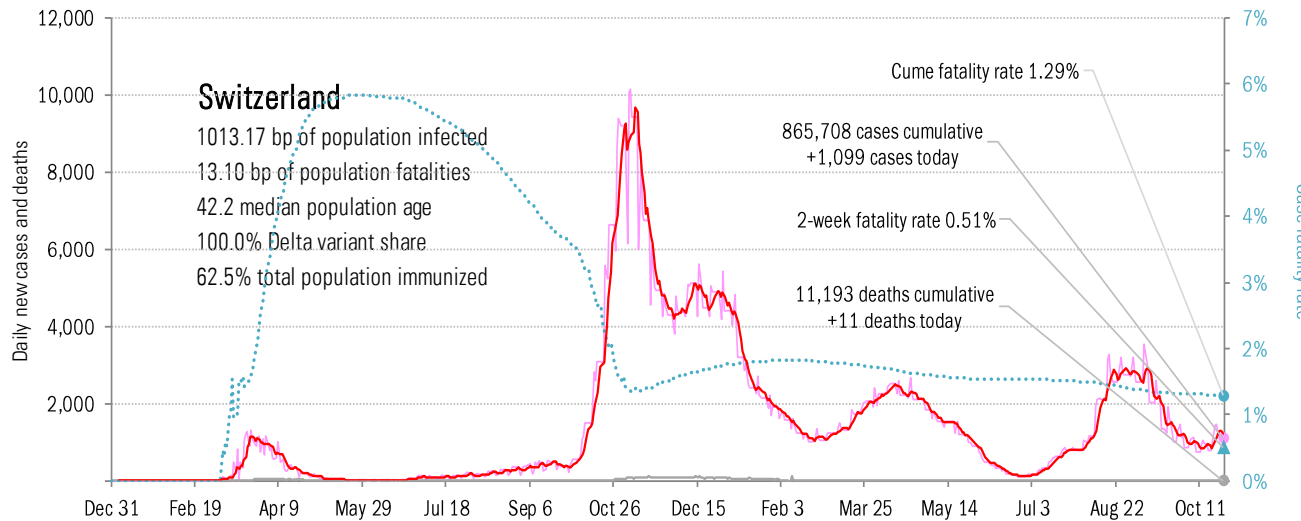
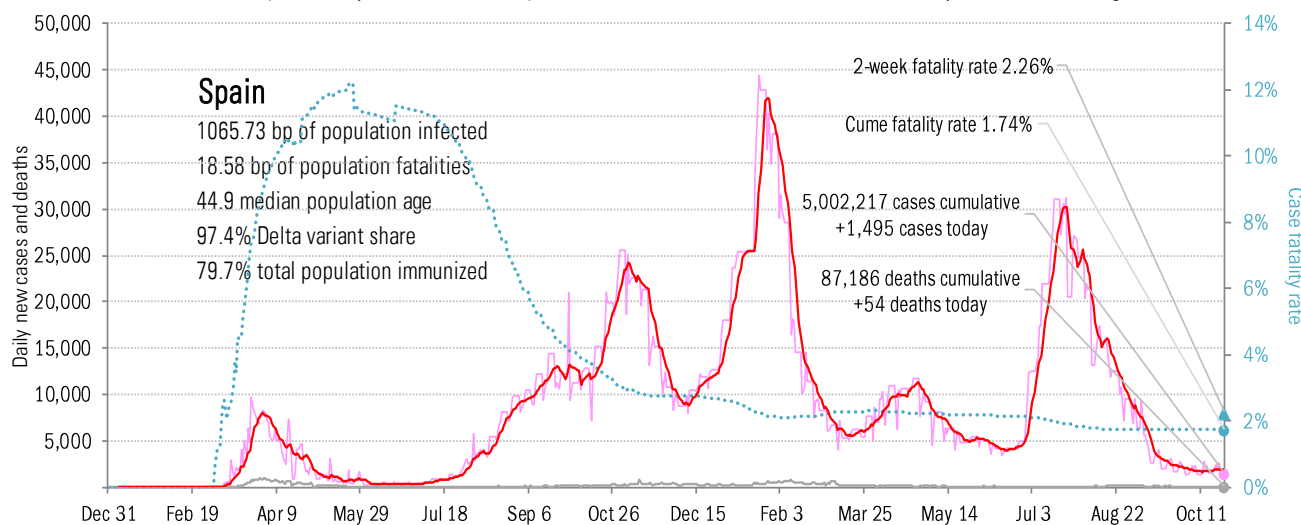
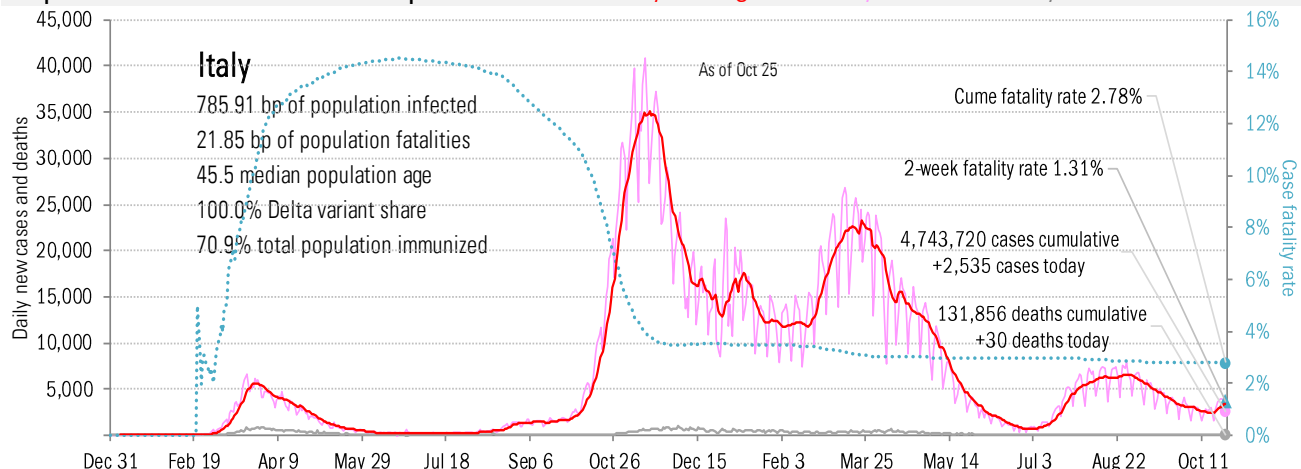


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

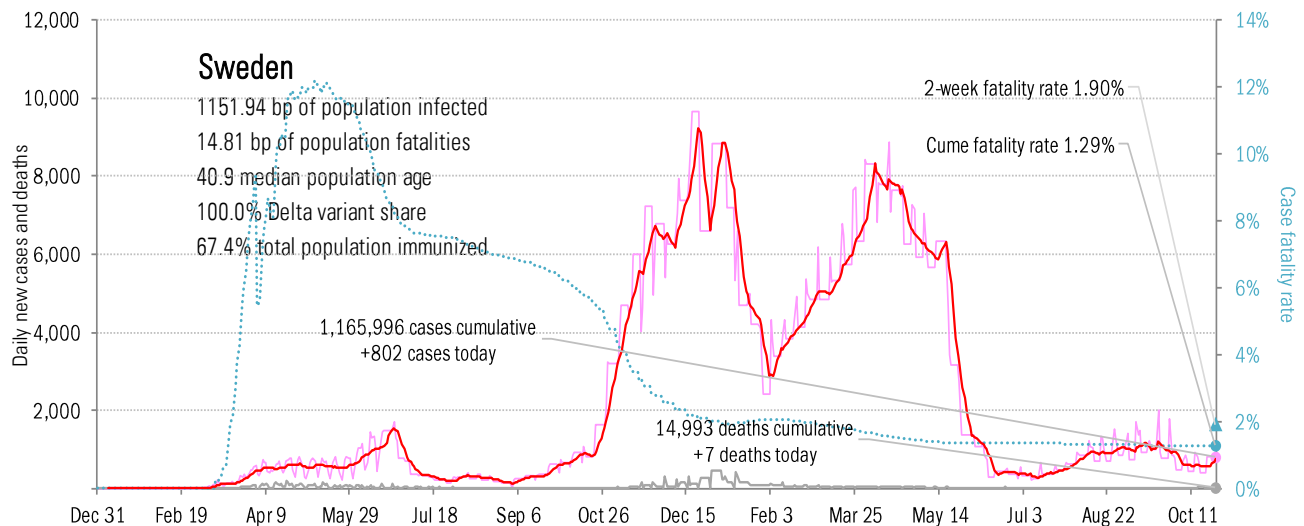
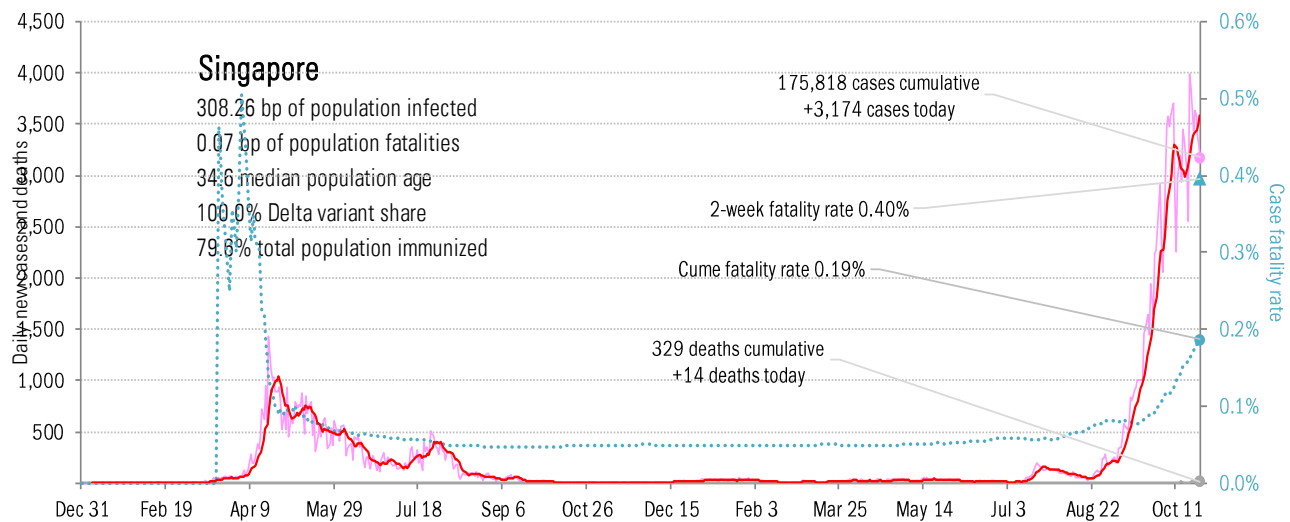
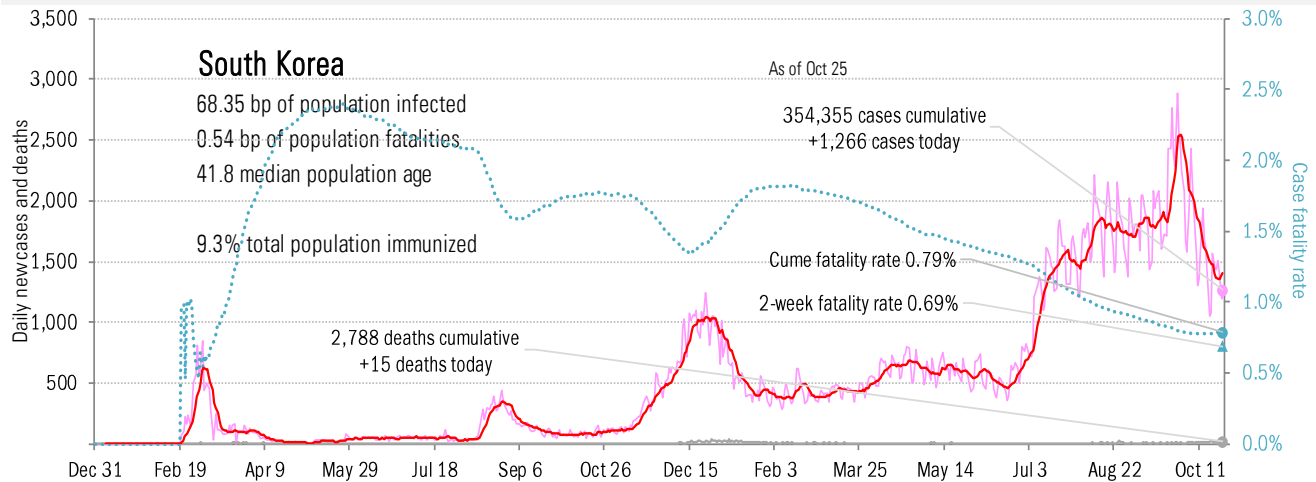
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

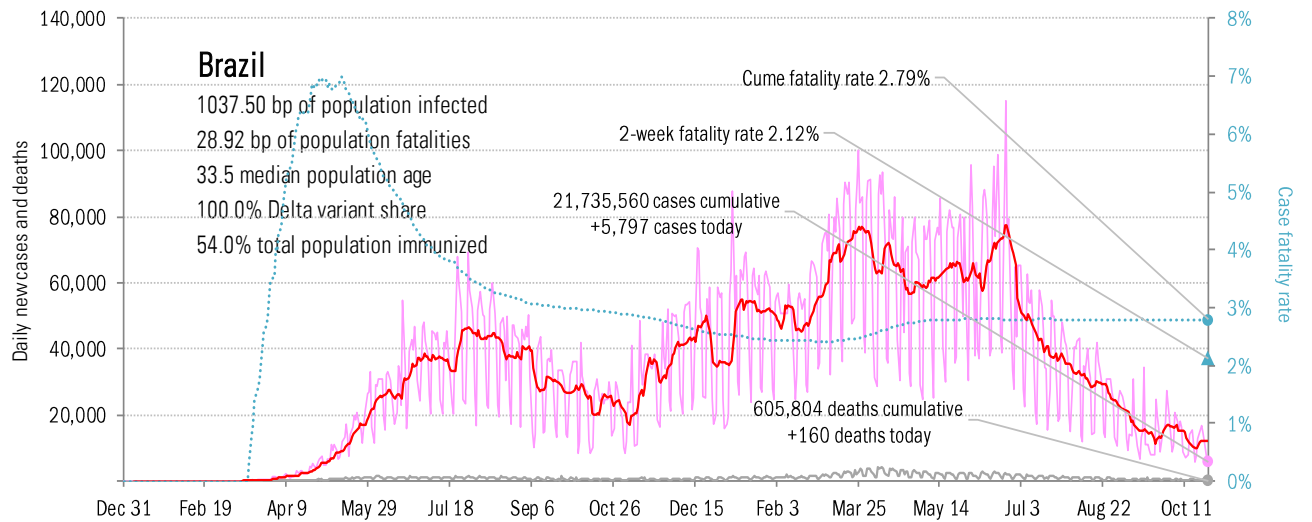
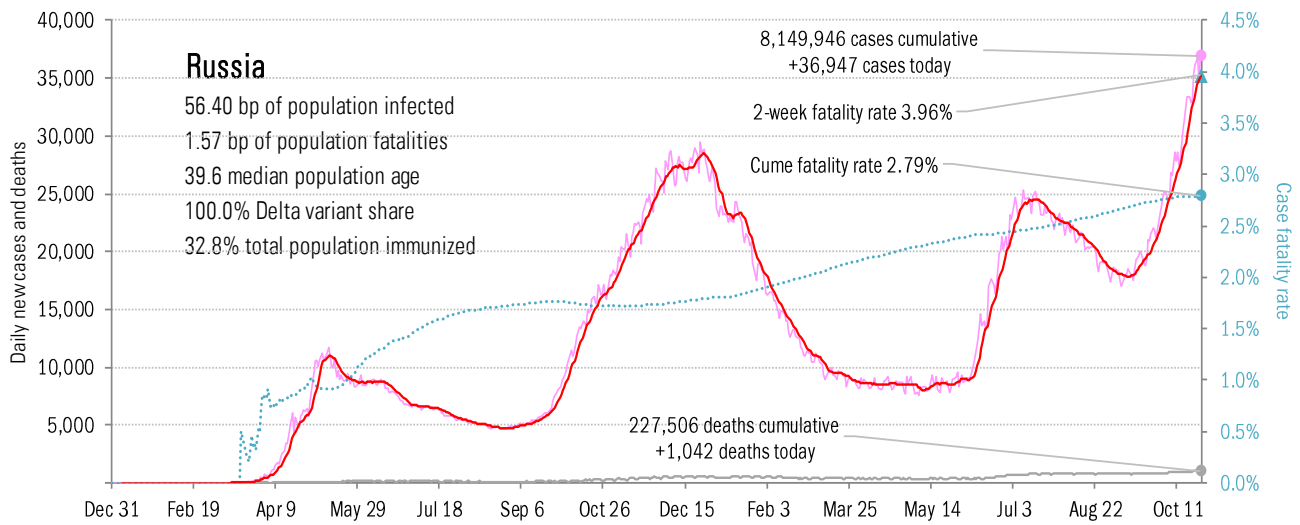
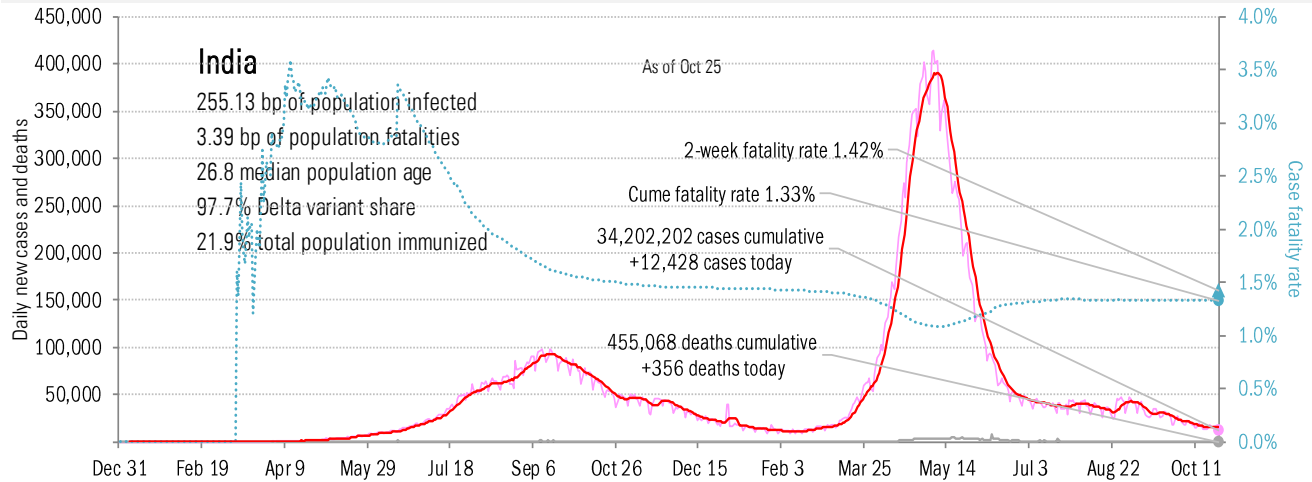
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

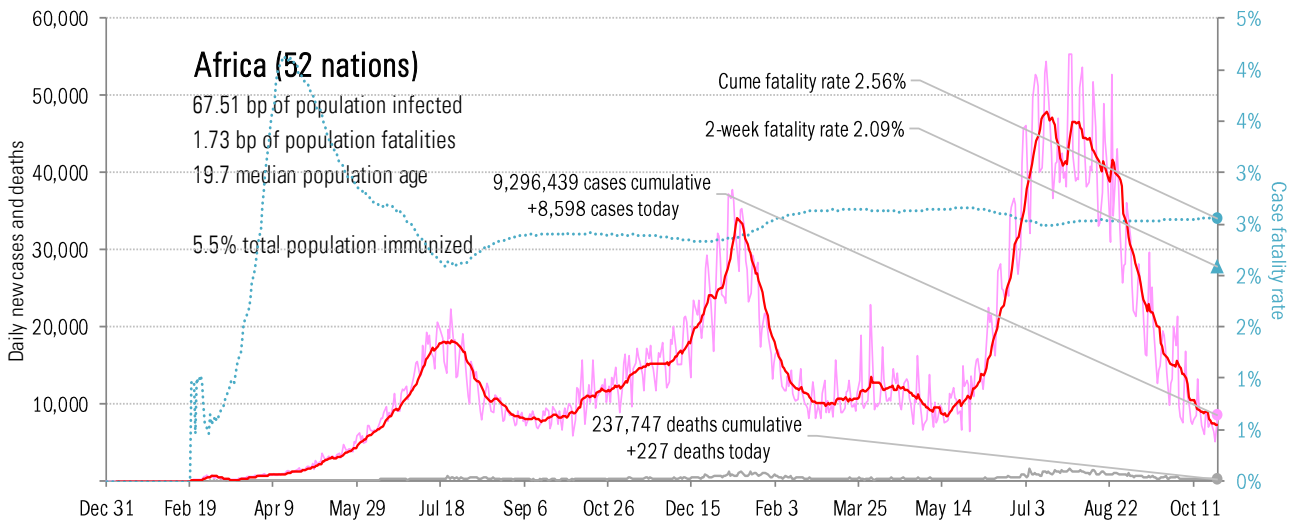
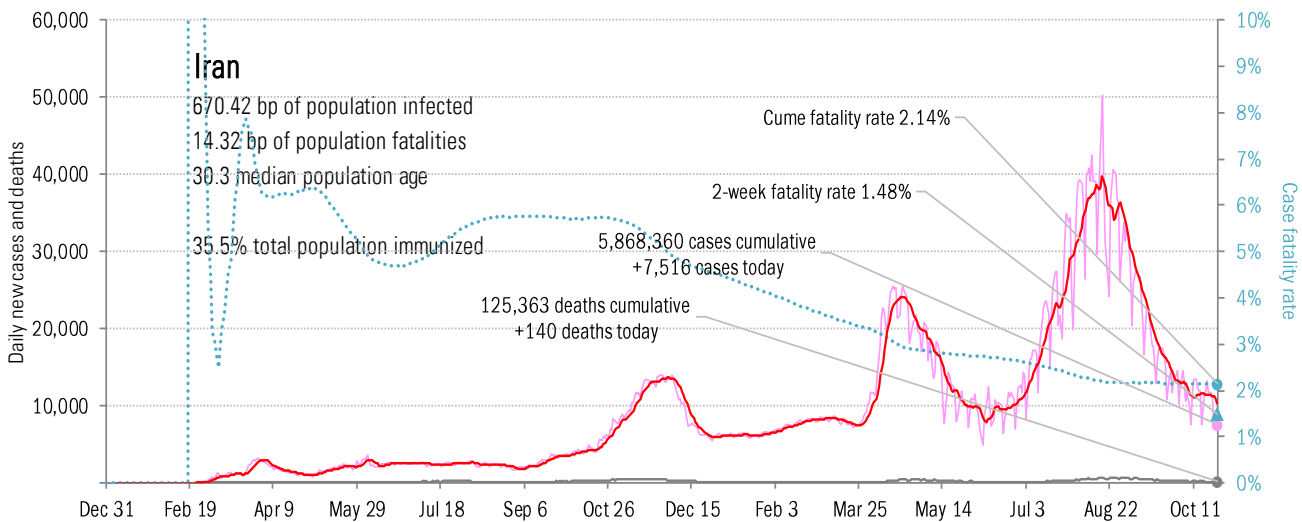
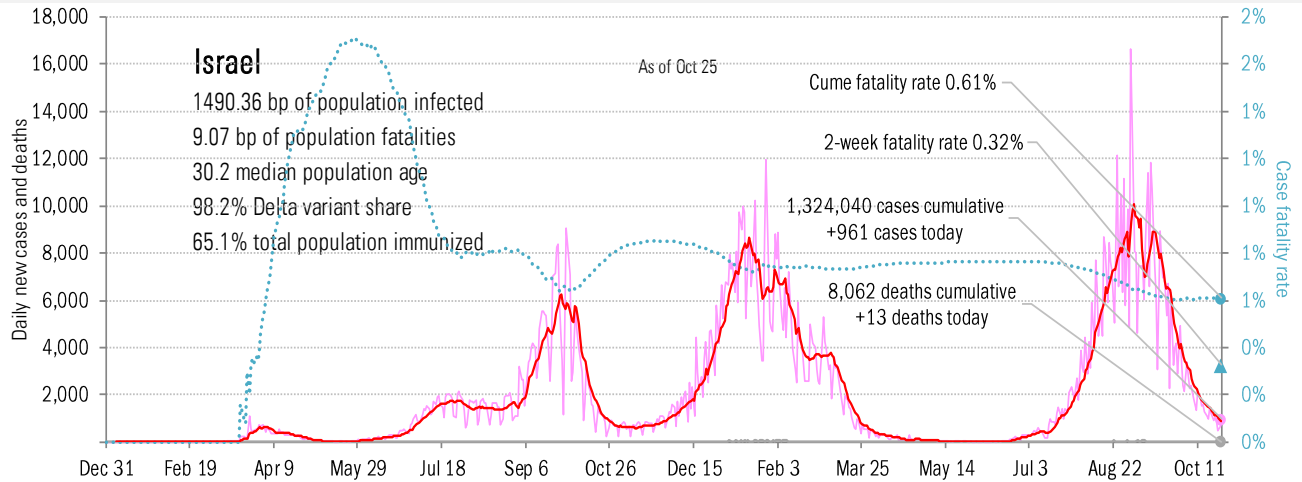
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

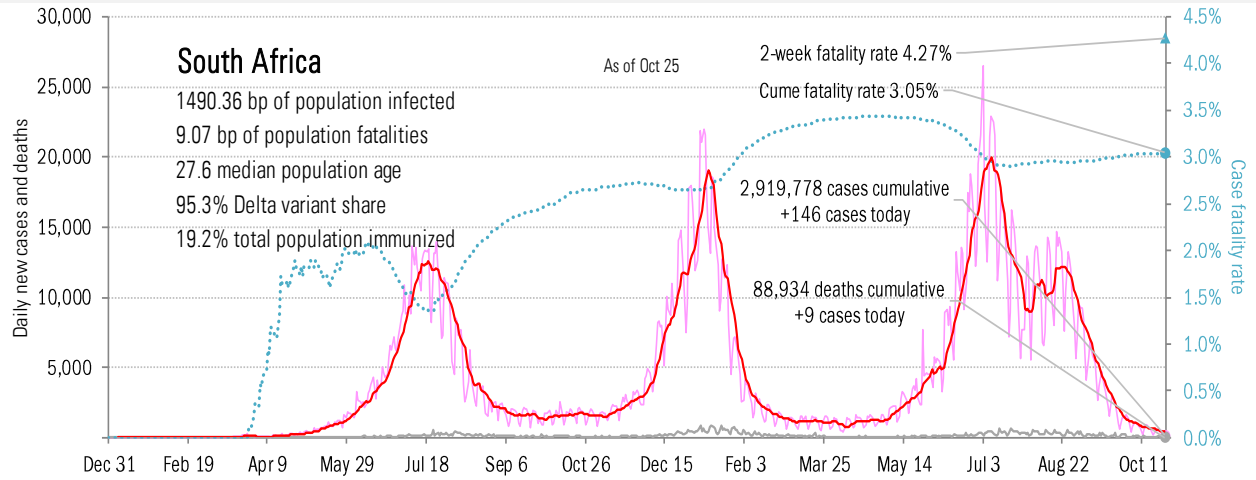
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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