

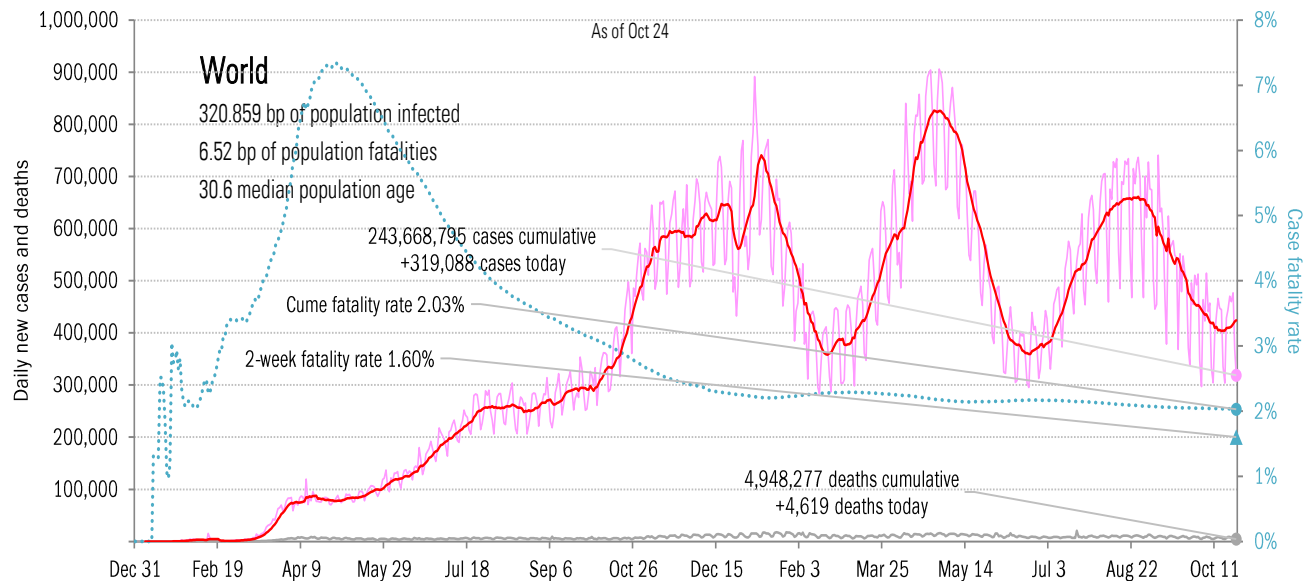
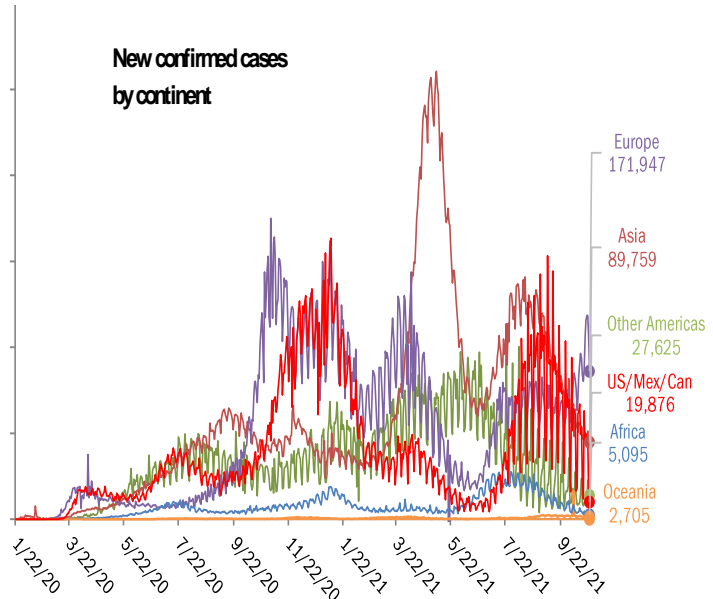
## Data Insights: Covid-2019 Monitor

Monday, October 25, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United Kingdom	+38,846	Russia	+1,047
Russia	+34,690	India	+443
Turkey	+24,792	Ukraine	+411
Ukraine	+21,761	Romania	+389
United States	+18,877	United States	+276
India	+14,306	Philippines	+208
Colombia	+14,158	Turkey	+195
Romania	+11,725	Brazil	+187
Thailand	+9,351	Iran	+171
Iran	+9,174	United Kingdom	+72
<b>+197,680</b>		<b>+3,399</b>	
World	+319,088	World	+4,619
Top ten	62%	Top ten	74%



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

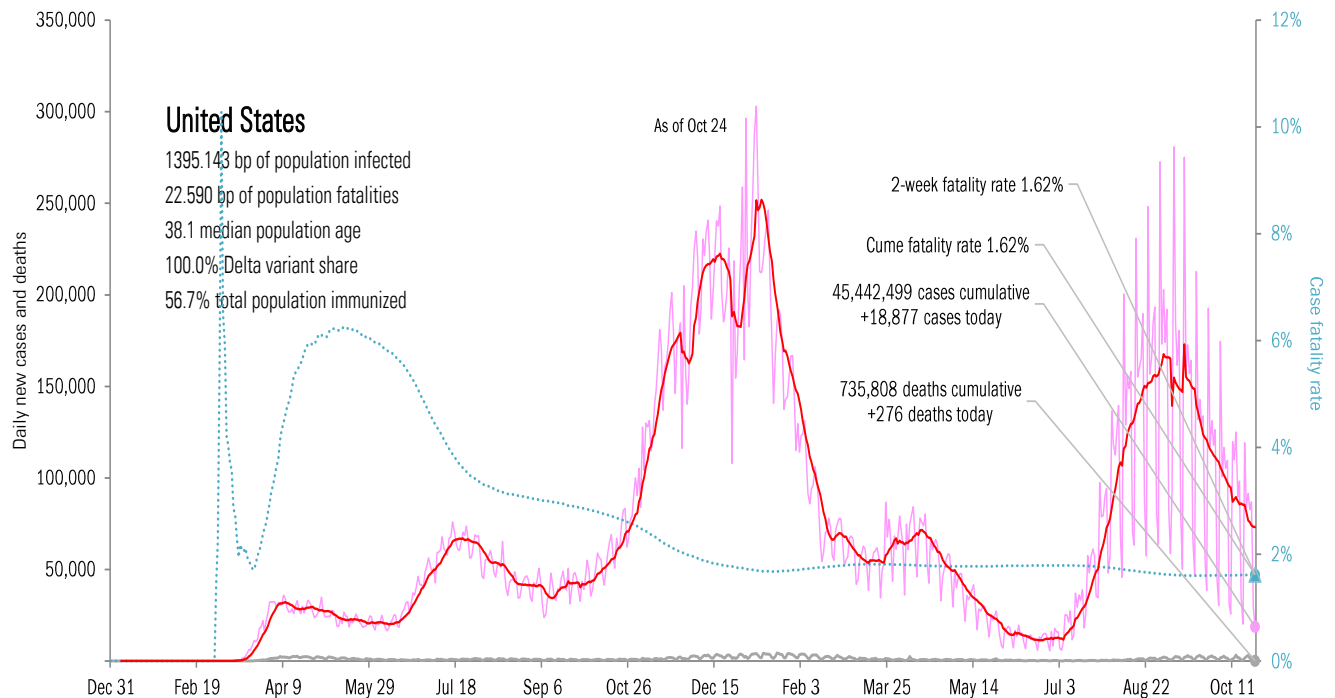
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
PA	+3,173		FL	+135		TX	+81		CA	4,852,216		CA	71,350		TX	372,198		MD	85%	NM	89%
CH	+2,540		TX	+61		CA	+79		TX	4,210,466		TX	70,263		FL	316,673		RI	84%	TX	87%
NY	+2,295		NY	+23		GA	+71		FL	3,676,900		FL	58,670		CA	306,837		MA	84%	KY	87%
FL	+2,081		AR	+14		CO	+39		NY	2,533,155		NY	56,222		NY	162,053		PA	84%	NH	86%
AZ	+1,484		AZ	+11		MT	+38		IL	1,680,908		PA	30,969		GA	158,441		CT	83%	ID	86%
CA	+1,409		MD	+10		NM	+32		GA	1,625,399		GA	28,519		CH	121,115		NY	81%	CK	86%
TX	+1,266		CA	+9		NY	+31		PA	1,537,668		IL	28,023		PA	114,524		MN	81%	AK	86%
NJ	+787		PA	+7		MI	+29		CH	1,521,844		NJ	27,851		KY	110,358		WA	81%	MT	85%
MD	+717		HI	+3		OR	+25		NC	1,463,410		CH	23,955		IL	103,704		CR	81%	CO	85%
VW	+642		NJ	+3		IA	+22		TN	1,272,558		MI	23,309		MI	89,418		MO	81%	AL	85%
<b>+16,394</b>			<b>+276</b>			<b>+447</b>			<b>24,374,524</b>			<b>419,131</b>			<b>1,855,321</b>						
All states	+18,877			+276			+422		All states	45,442,499			735,808			3,311,136		All states	70%		67%
Top ten	87%			100%			106%		Top ten	54%			57%			56%		Median	75%		77%

Some states not reporting

## Five most improved US states

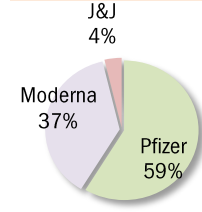
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-1,660	TX	-116	NV	-27	AK	+10 bp
NY	-1,335	PA	-52	KS	-22	CA	+10 bp
TX	-1,259	AL	-27	NH	-19	CO	+10 bp
PA	-1,013	AZ	-19	IN	-15	DC	+10 bp
CH	-926	DE	-19	NC	-14	FL	+10 bp



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

# Rolling out the vaccines in the US and the world

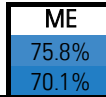
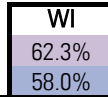
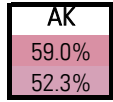
Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	One dose	% Pop	Immune	% pop	New immune today			
	425,302,034				+0.812 million	US	56.7%	65.5%
Total population	225,994,232	68%	195,575,756	59%	+0.181 million	UK	66.8%	72.8%
Age 12 to 17	14,149,248	59%	11,717,521	49%	+0.019 million	France	67.5%	75.5%
Age 18 to 64	156,306,045	77%	134,998,741	66%	+0.137 million	Spain	79.6%	81.2%
Age 65 and over	54,435,031	100%	47,949,841	88%	+0.024 million	Germany	65.6%	68.5%
						Italy	70.8%	77.0%
						Australia	60.4%	72.9%
						Israel	65.0%	70.8%
						Canada	73.6%	78.0%
						Japan	69.9%	76.9%
						Africa	5.4%	8.3%
						India	21.9%	51.5%
						Brazil	53.6%	73.9%
						China	72.6%	76.2%



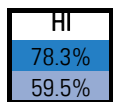
State
At least partial immunity as % population
Full immunity as % population



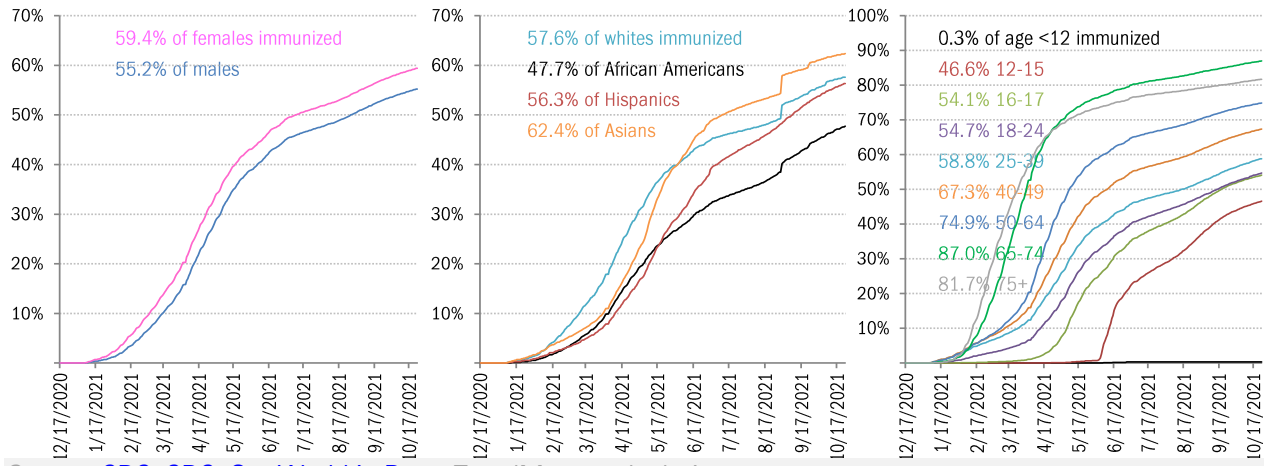
Every American >18 immune in **85 days** by Jan 17, 2022  
 70.8% of population >18 immunized  
 16.2% previously tested positive  
**87.0%** vs 60% adult herd immunity



WA: 68.9% / 63.0%	ID: 48.6% / 43.4%	MT: 56.3% / 50.0%	ND: 52.9% / 45.8%	MN: 64.8% / 59.5%	IL: 69.6% / 54.4%	MI: 57.8% / 53.2%	NY: 73.6% / 66.1%	VT: 79.1% / 70.9%	NH: 74.0% / 62.6%	
OR: 68.0% / 62.5%	NV: 62.8% / 52.5%	WY: 50.3% / 43.5%	SD: 61.1% / 52.2%	IA: 59.2% / 55.2%	IN: 53.4% / 49.6%	OH: 55.5% / 51.6%	PA: 76.4% / 60.1%	NJ: 74.4% / 66.0%	MA: 79.5% / 69.3%	
CA: 73.9% / 60.8%	UT: 60.7% / 53.0%	CO: 67.2% / 61.2%	NE: 60.6% / 55.9%	MO: 56.4% / 49.4%	KY: 62.5% / 54.5%	WV: 48.8% / 41.0%	VA: 70.5% / 62.6%	MD: 72.5% / 65.8%	CT: 78.3% / 70.3%	RI: 77.4% / 70.4%
	AZ: 60.9% / 52.7%	NM: 75.6% / 65.6%	KS: 61.9% / 52.9%	AR: 57.6% / 47.6%	TN: 54.2% / 47.3%	NC: 63.0% / 52.3%	SC: 57.0% / 49.5%	DC: 73.5% / 62.0%	DE: 68.5% / 59.5%	
			OK: 58.8% / 49.6%	LA: 53.5% / 47.3%	MS: 51.7% / 45.3%	AL: 54.0% / 44.4%	GA: 56.4% / 47.6%			
			TX: 61.0% / 53.0%					FL: 68.7% / 59.4%		PR: 81.7% / 73.2%



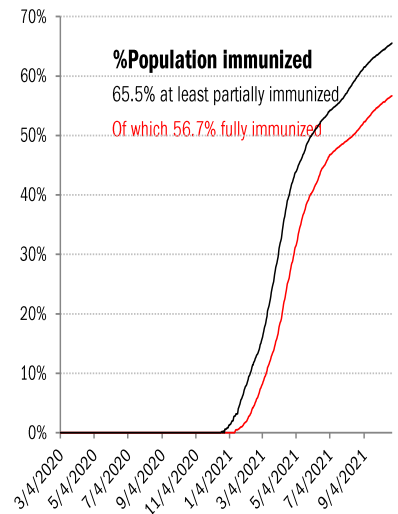
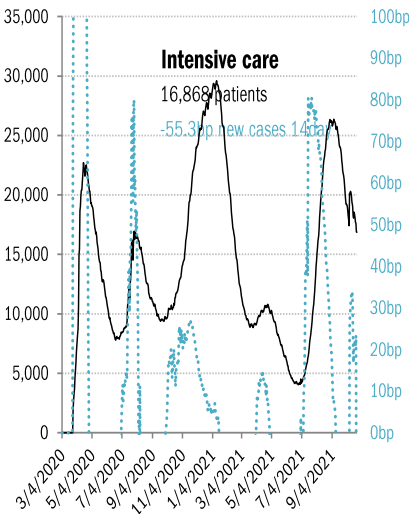
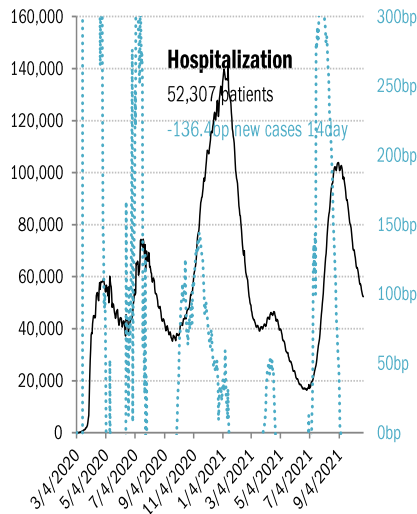
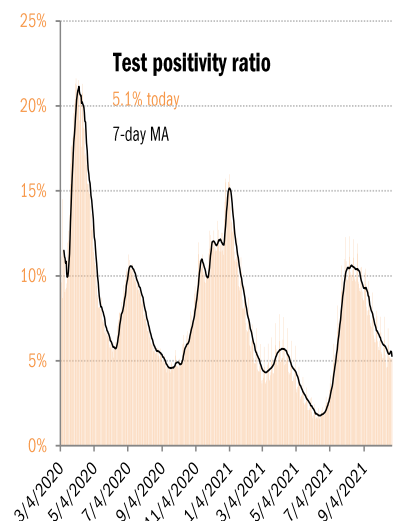
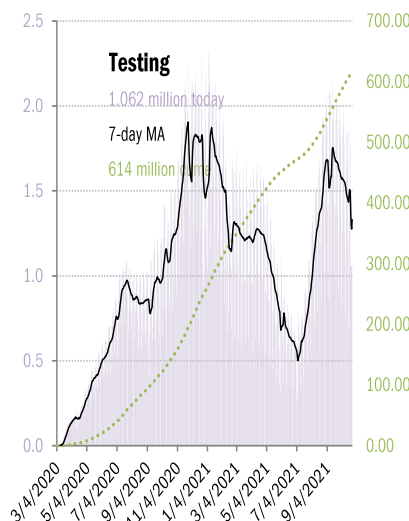
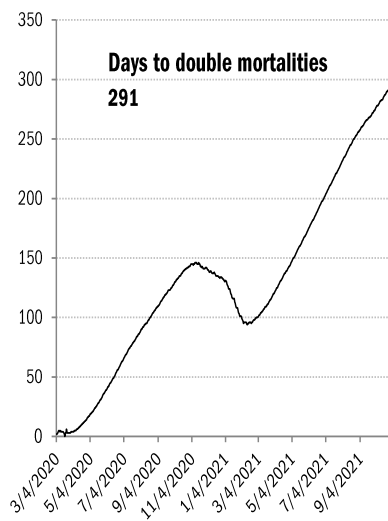
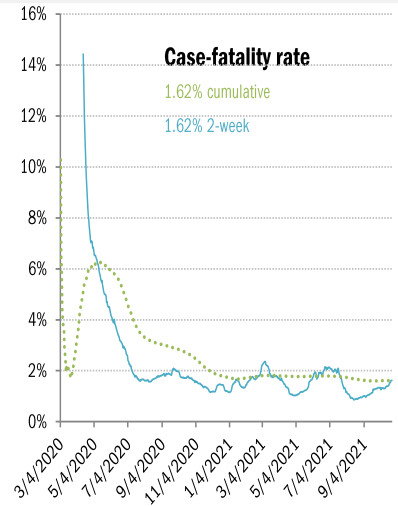
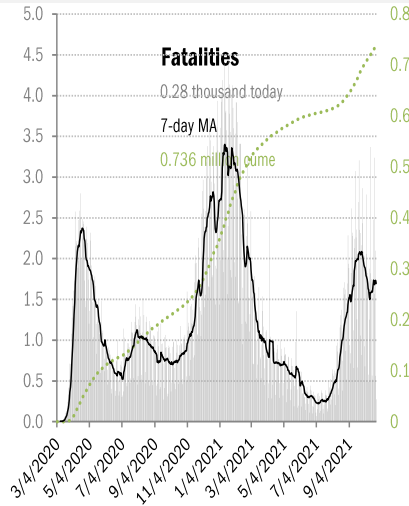
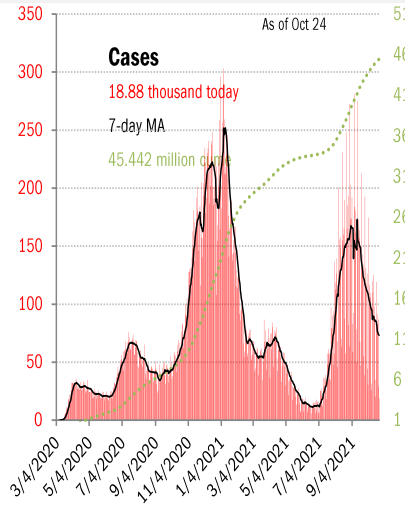
## The demographics of US vaccination



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

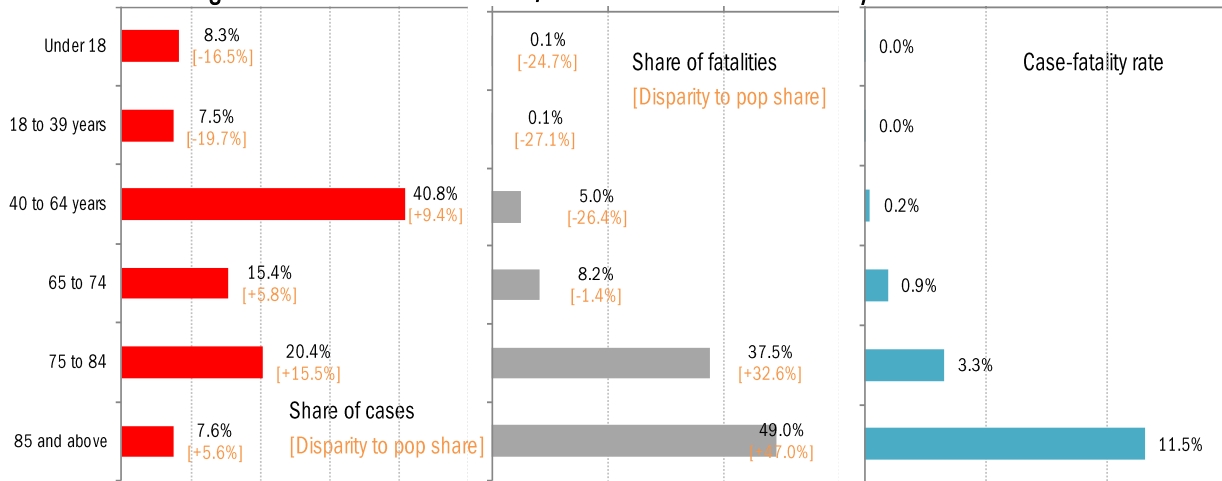
# US deep-dive

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

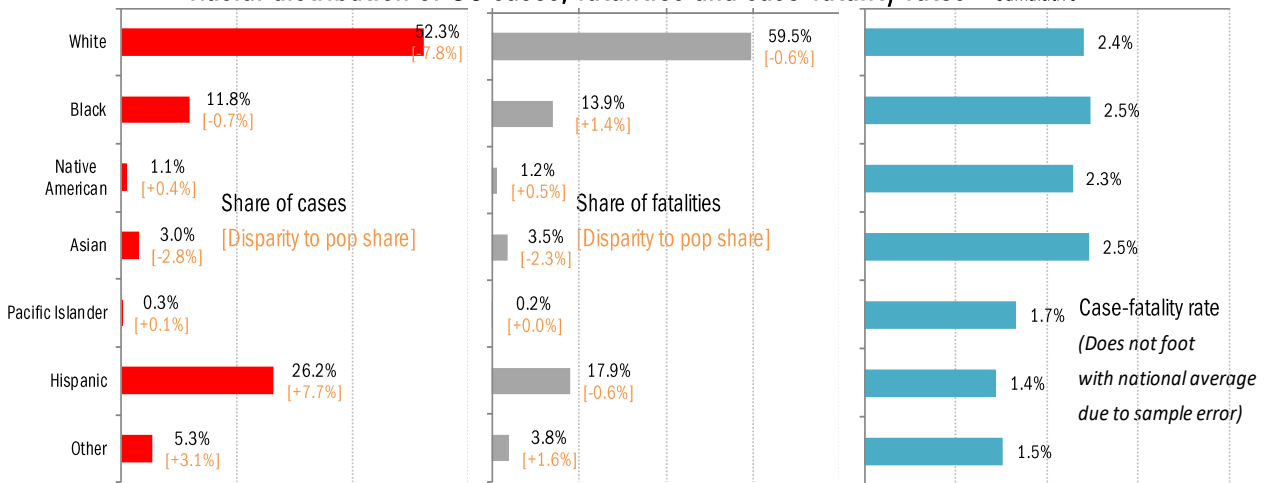


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

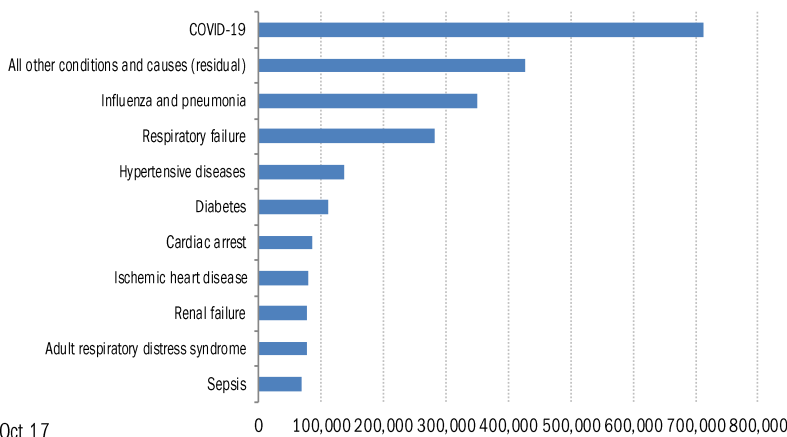


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Oct 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

[The Revolving Door: All 3 FDA-authorized COVID shot companies now employ former FDA commissioners](#)

Jordan Schachtel  
*The Dossier*  
October 16, 2021

[It's Madness to Quarantine Schoolchildren](#)

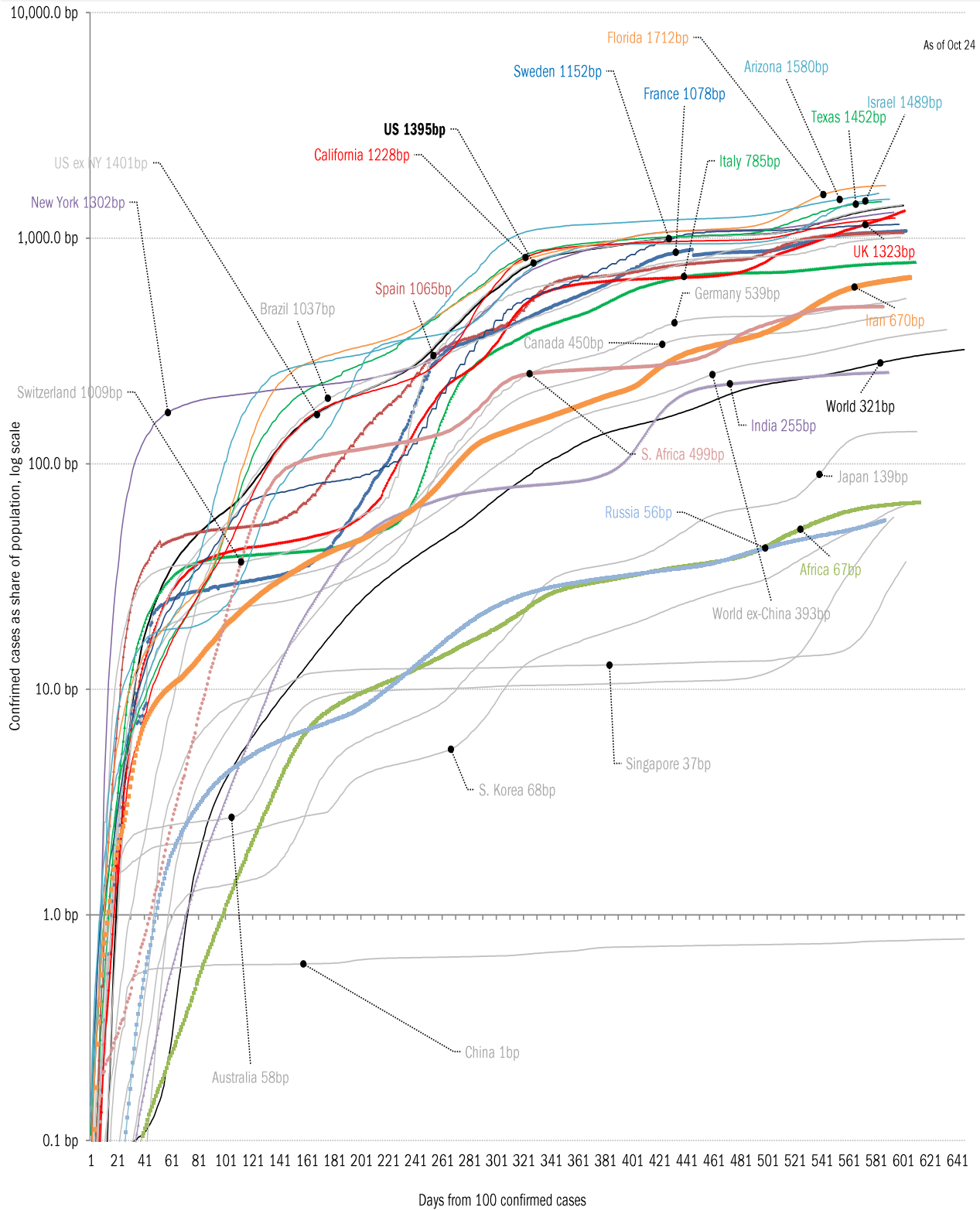
Leslie Bienen and Eric Happel  
*Wall Street Journal*  
October 24, 2021

## Meme of the day



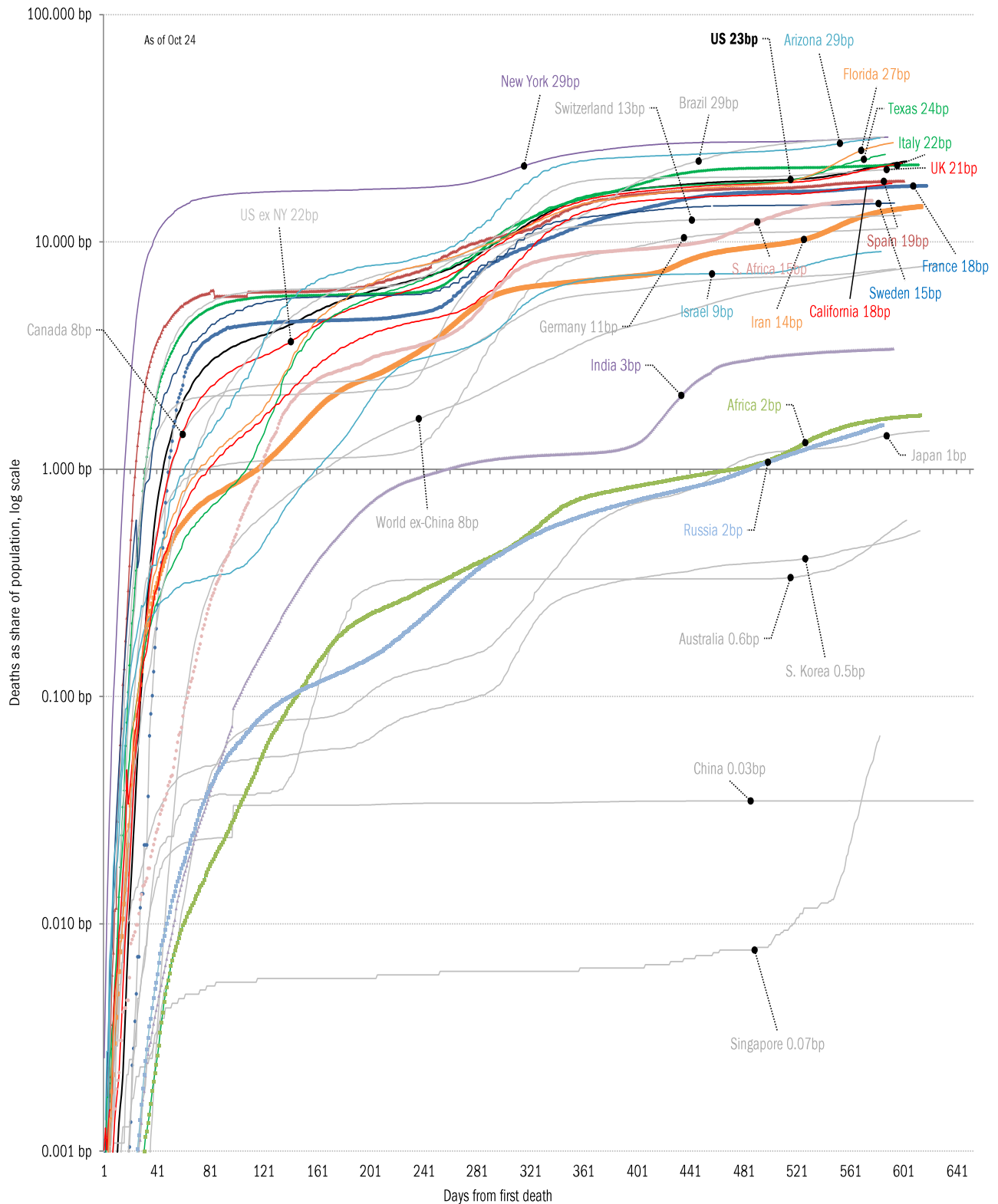
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



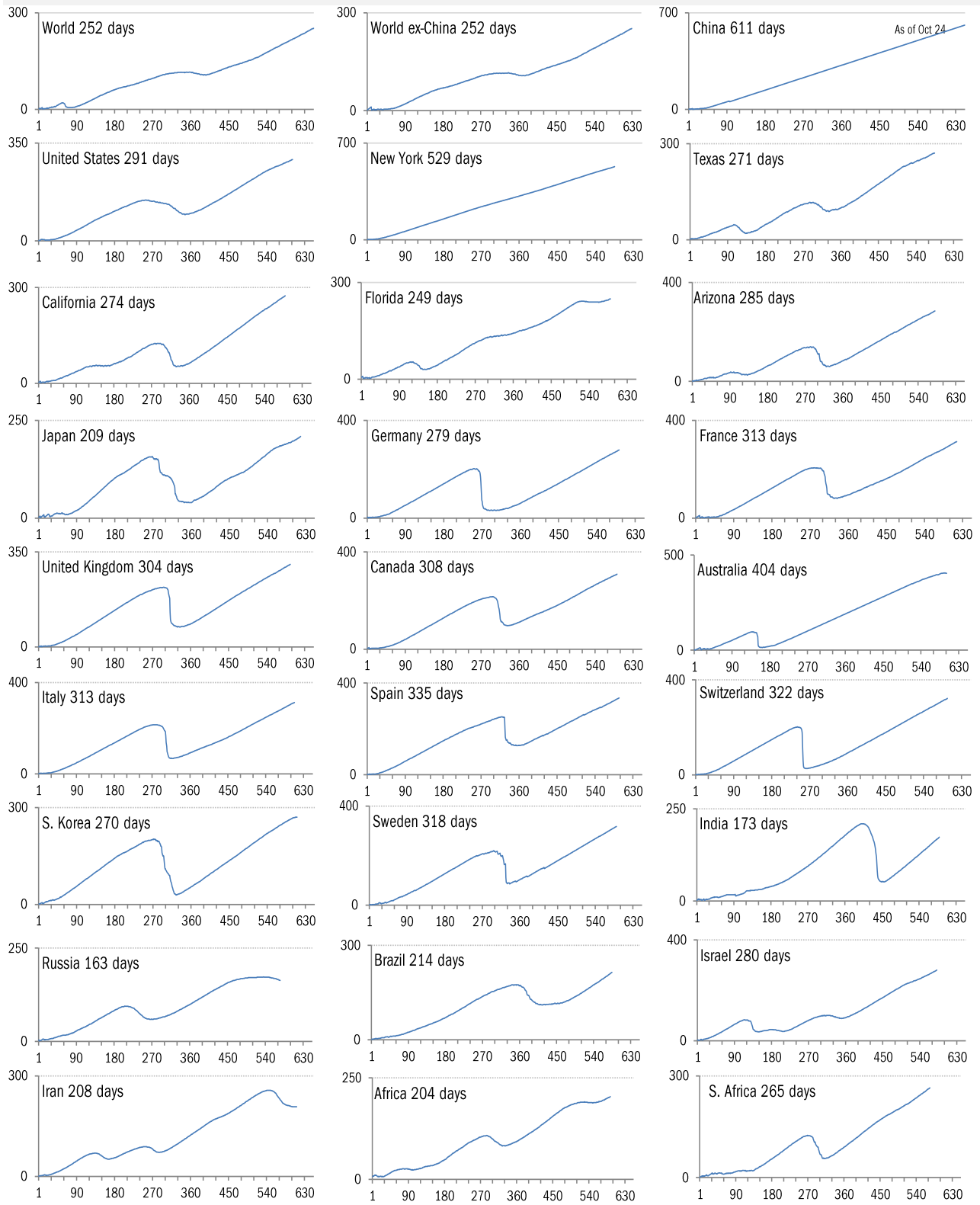
Source: [Johns Hopkins](#), TrendMacro calculations



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

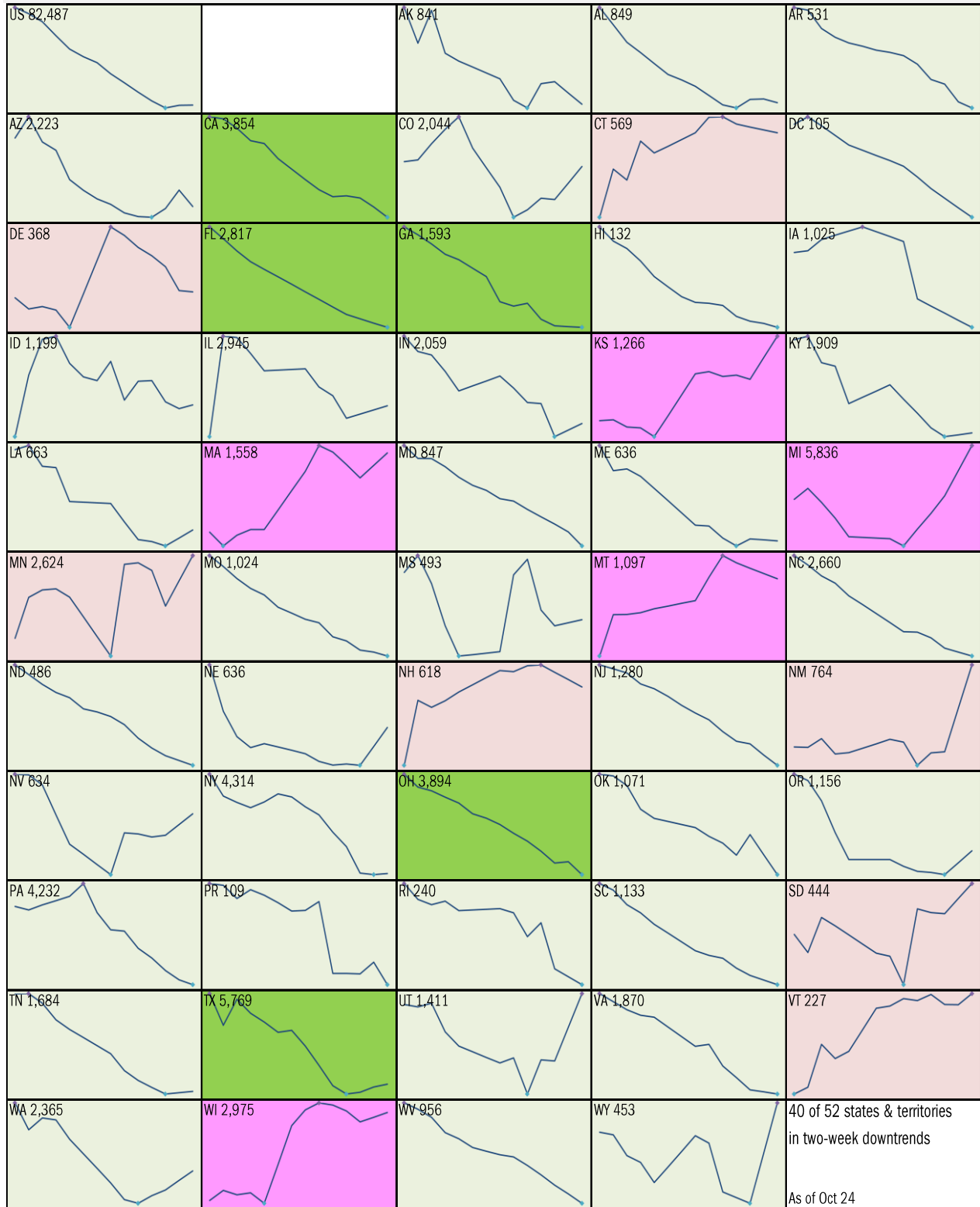
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

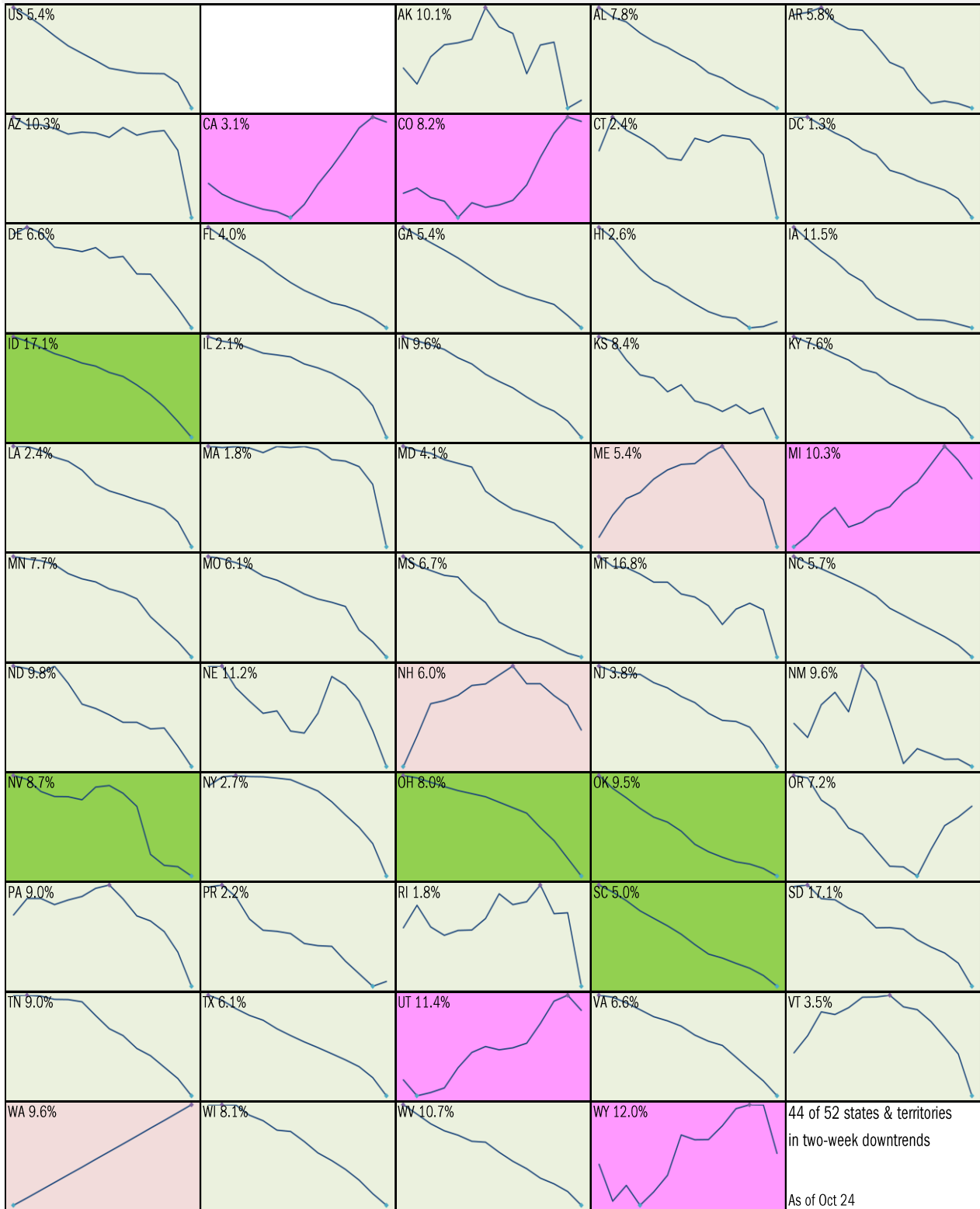
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

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

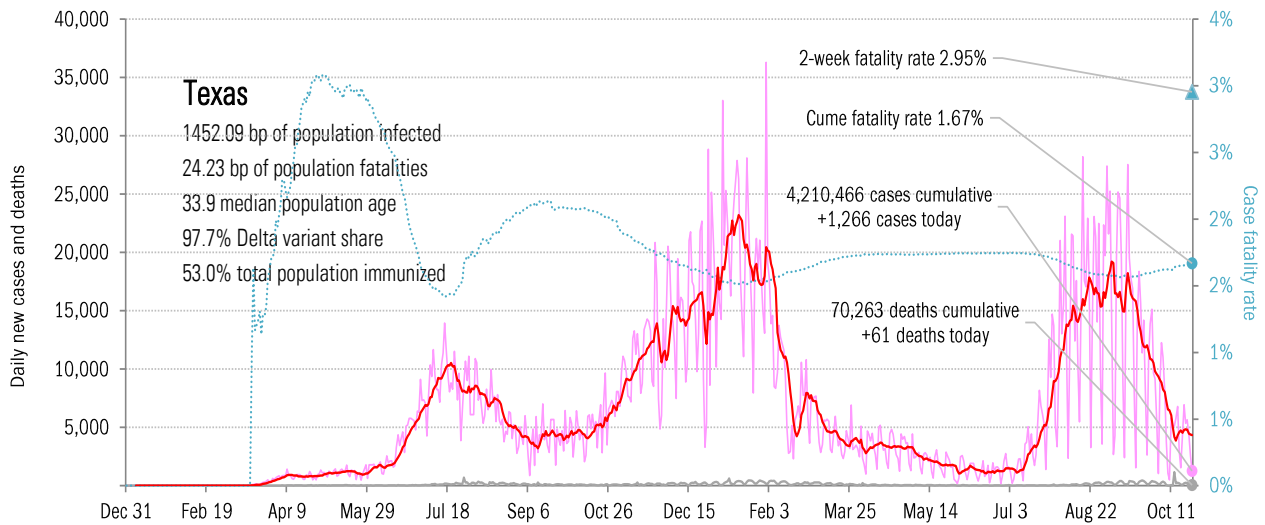
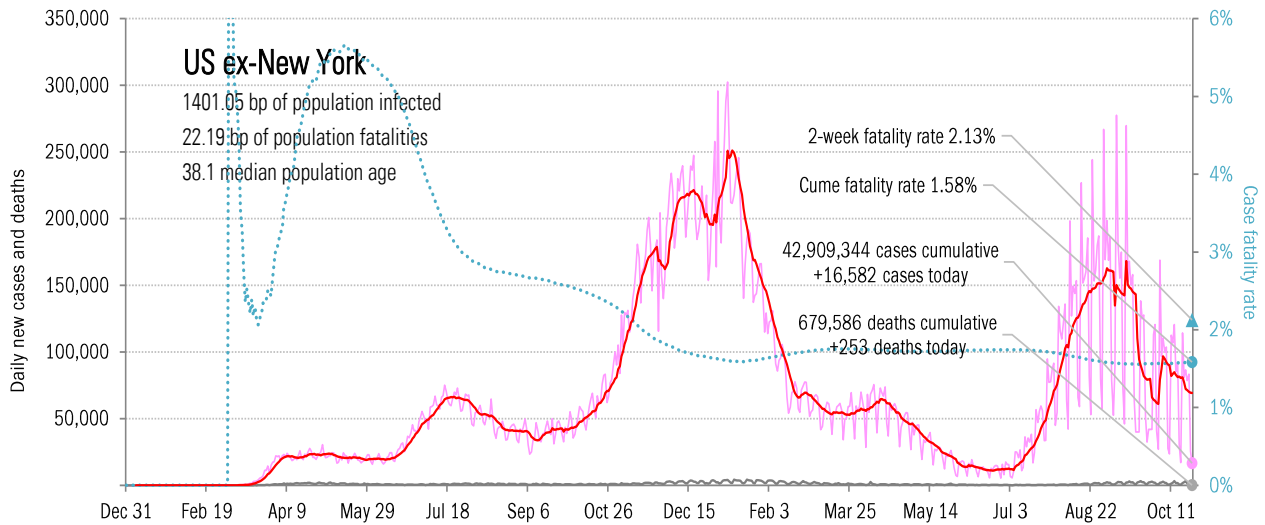
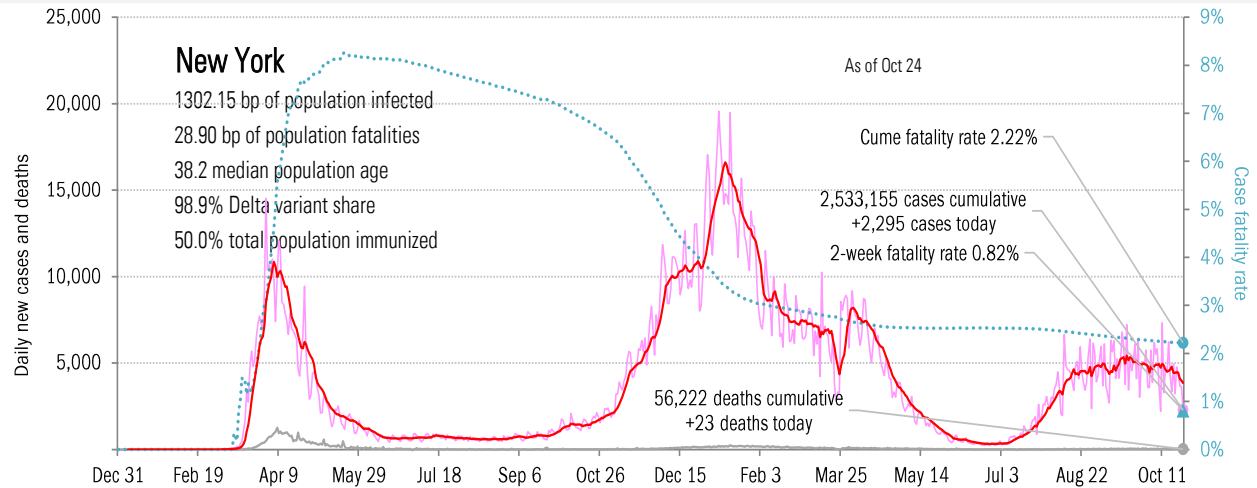
14-day moving average, last 14 days Most recent value displayed ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

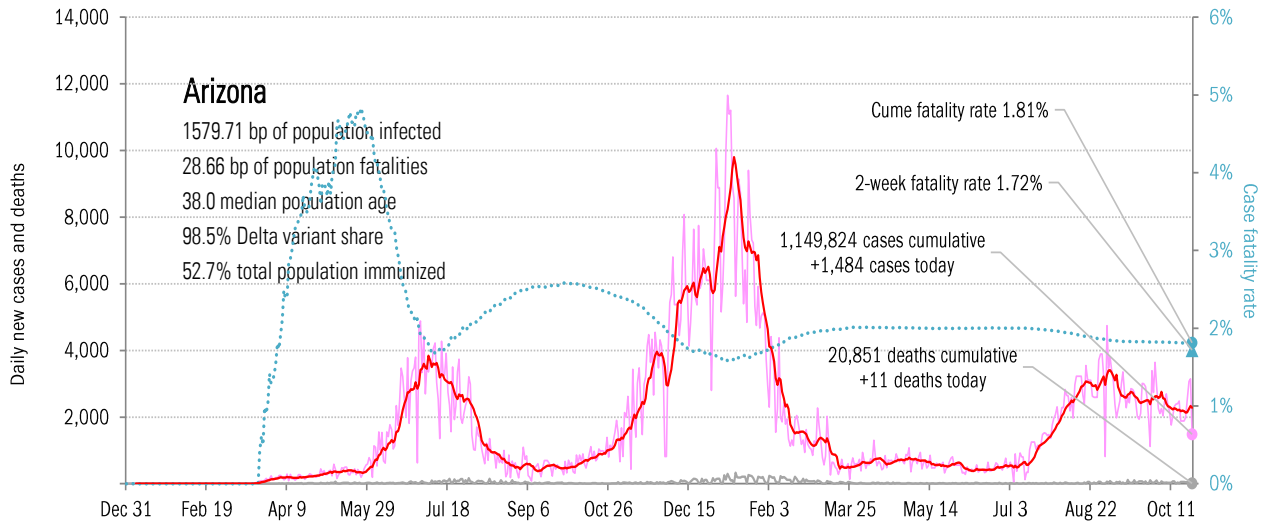
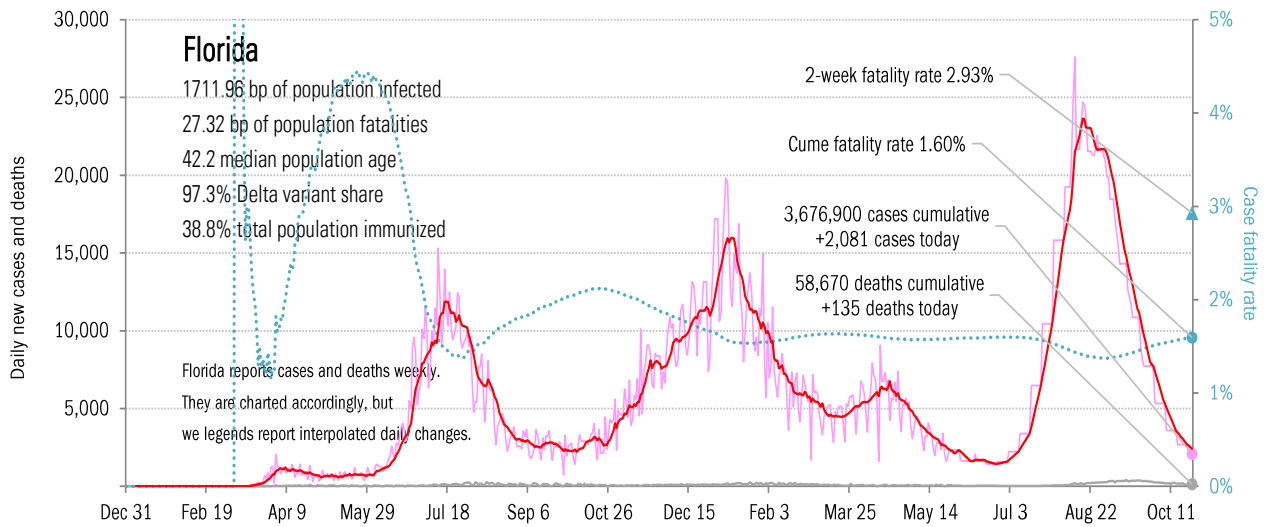
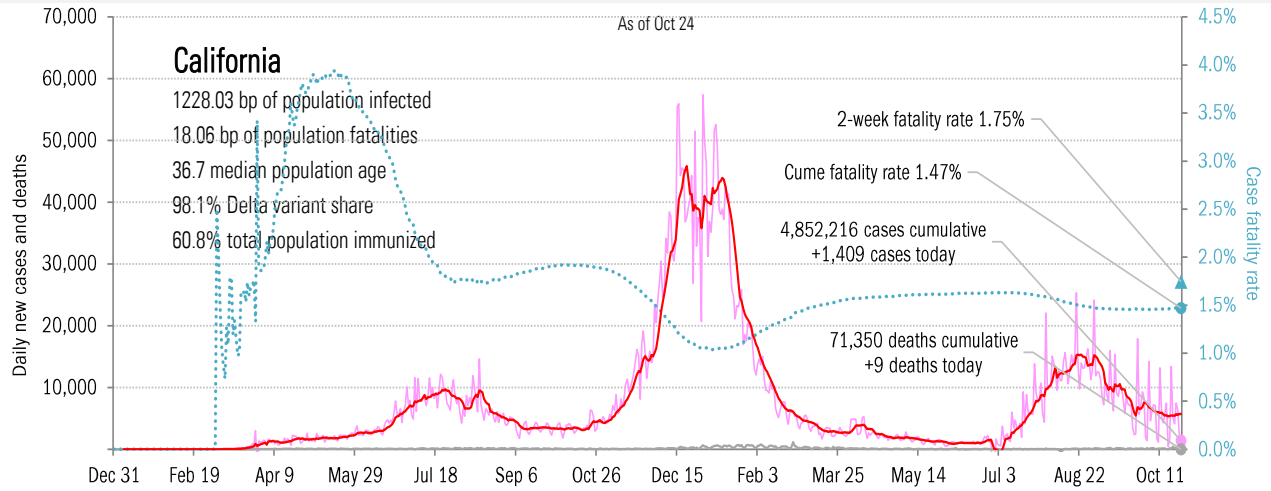
Cases: 7-day average and daily Deaths: Daily



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

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

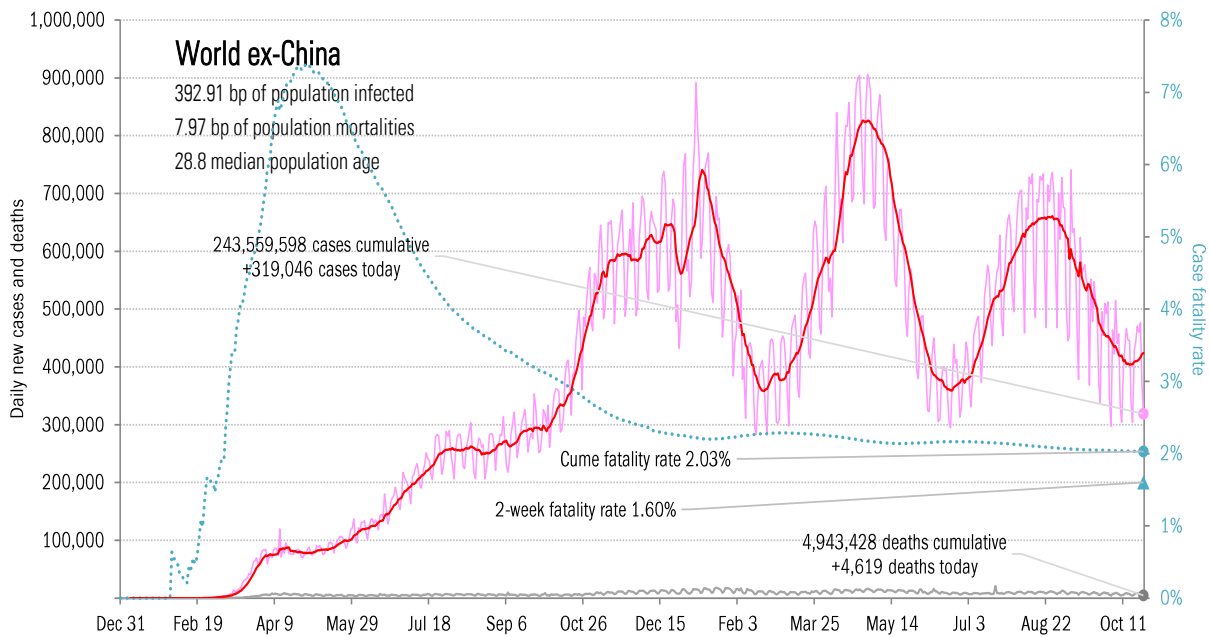
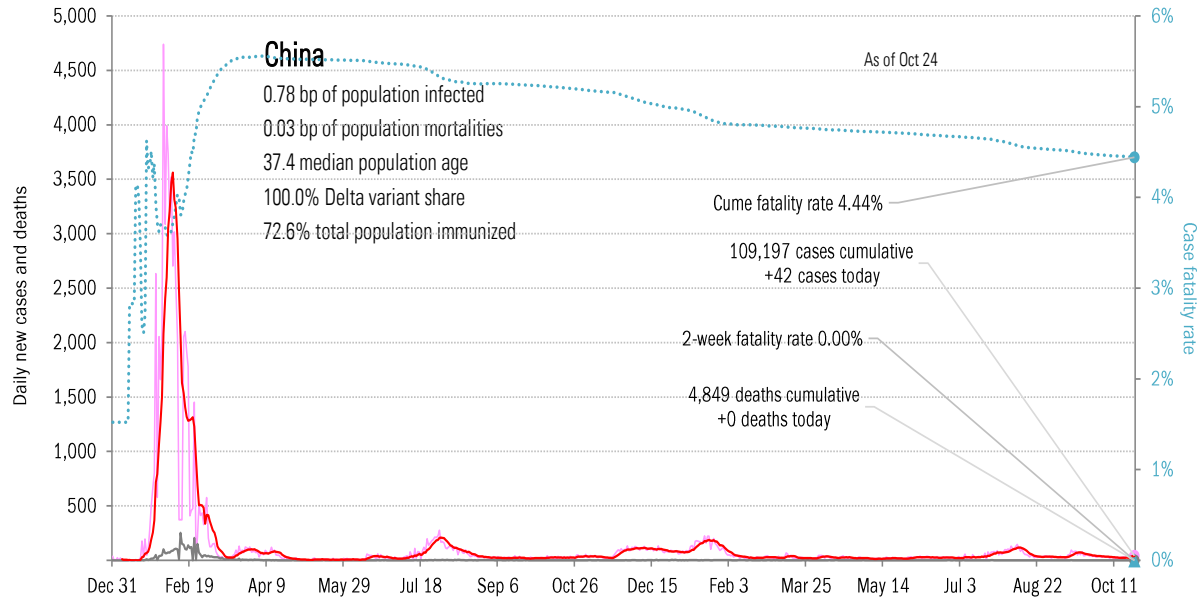
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

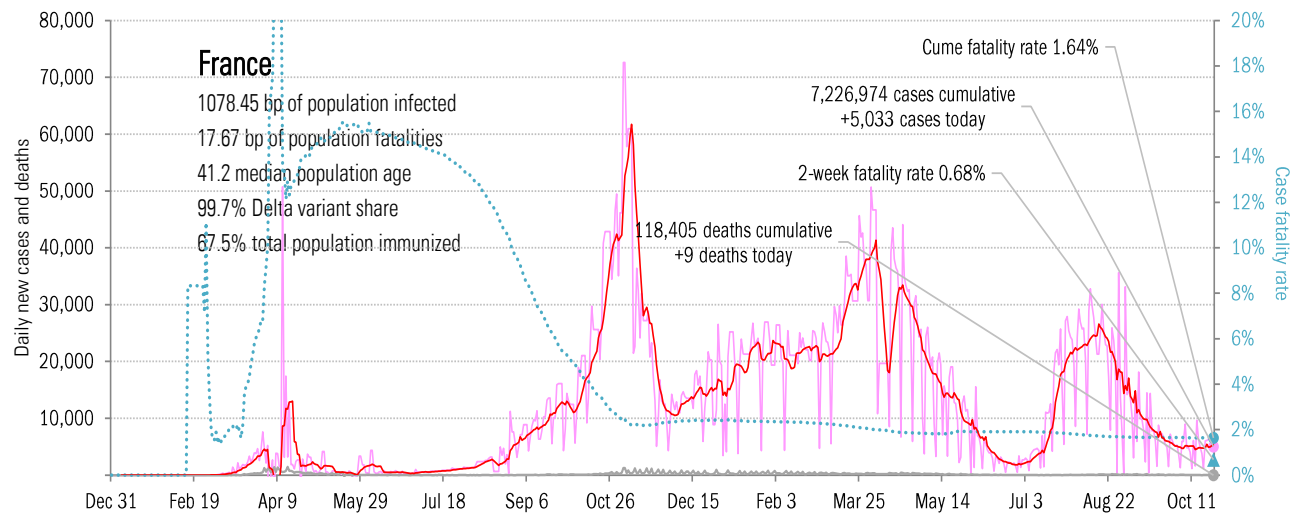
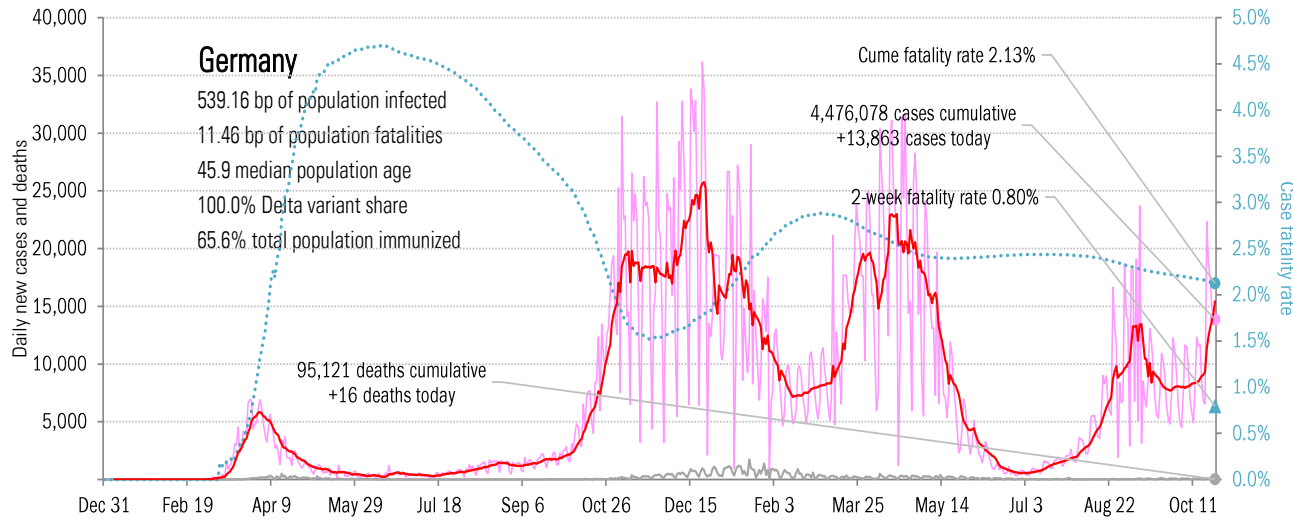
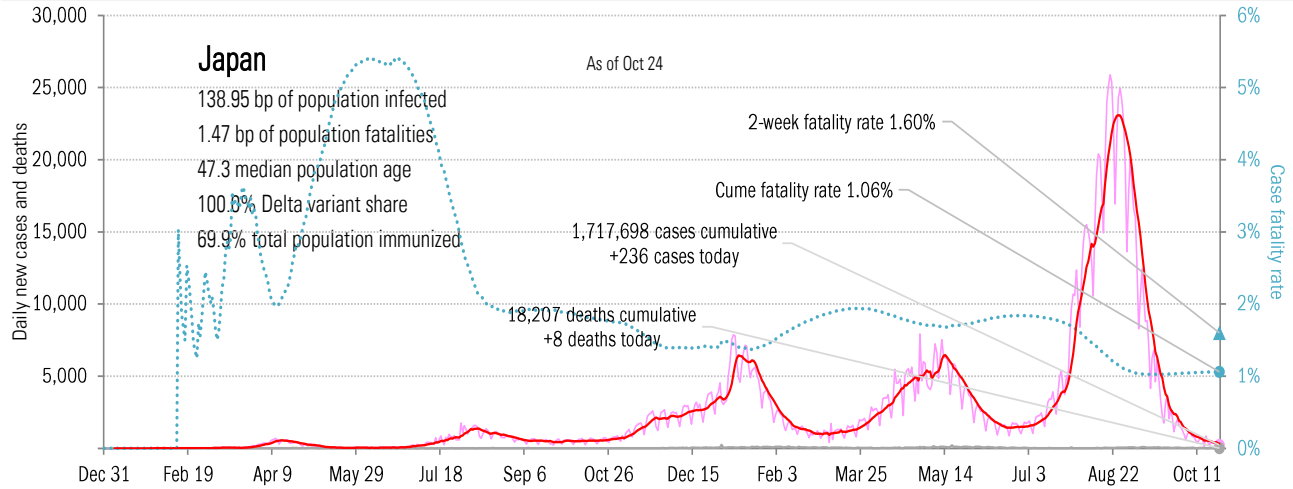
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

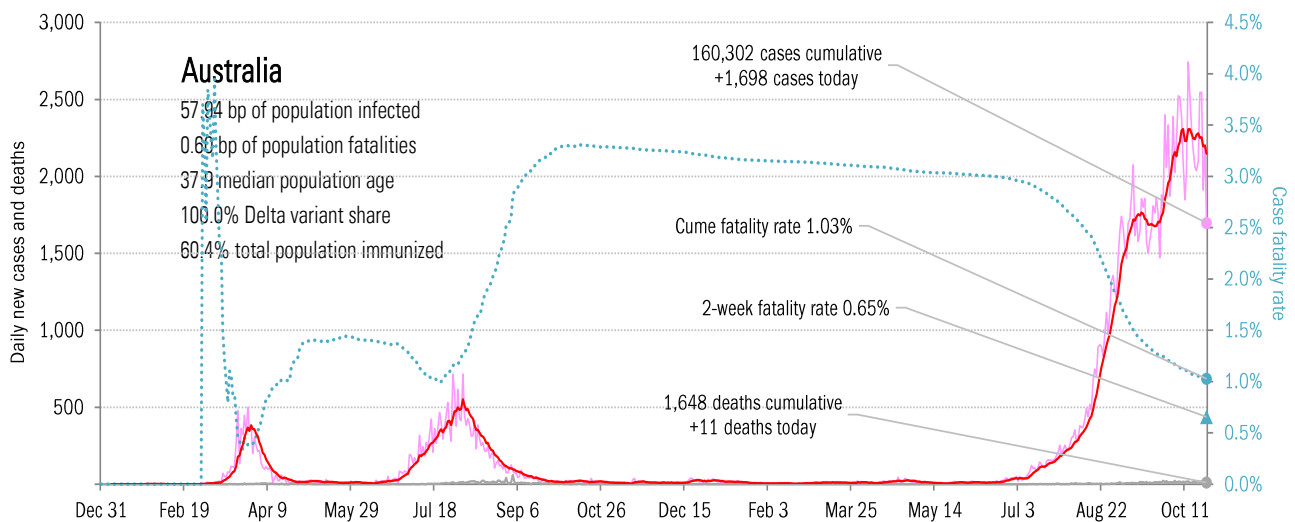
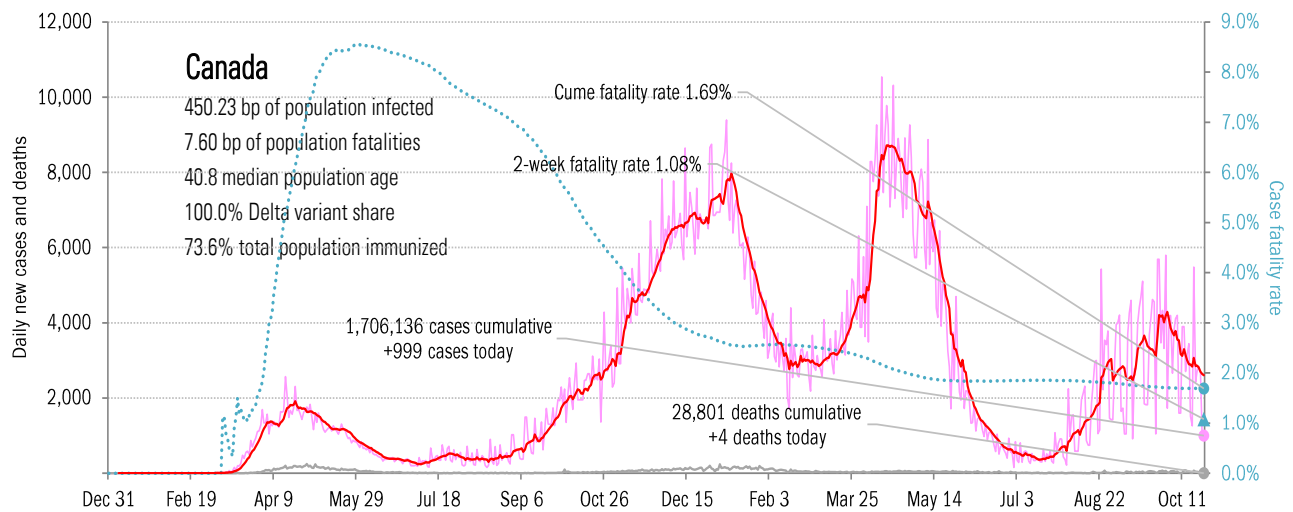
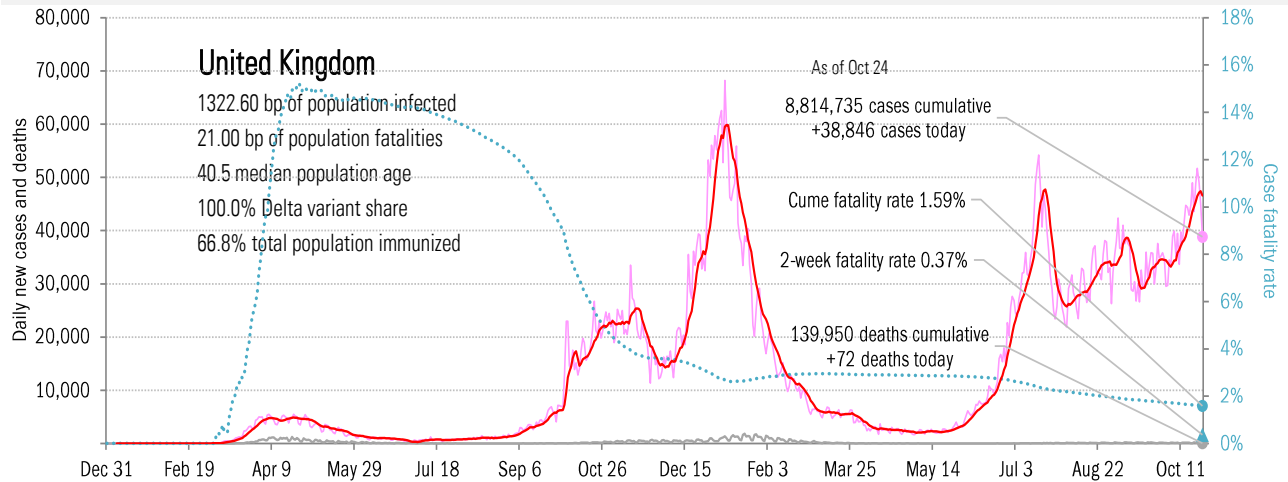
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

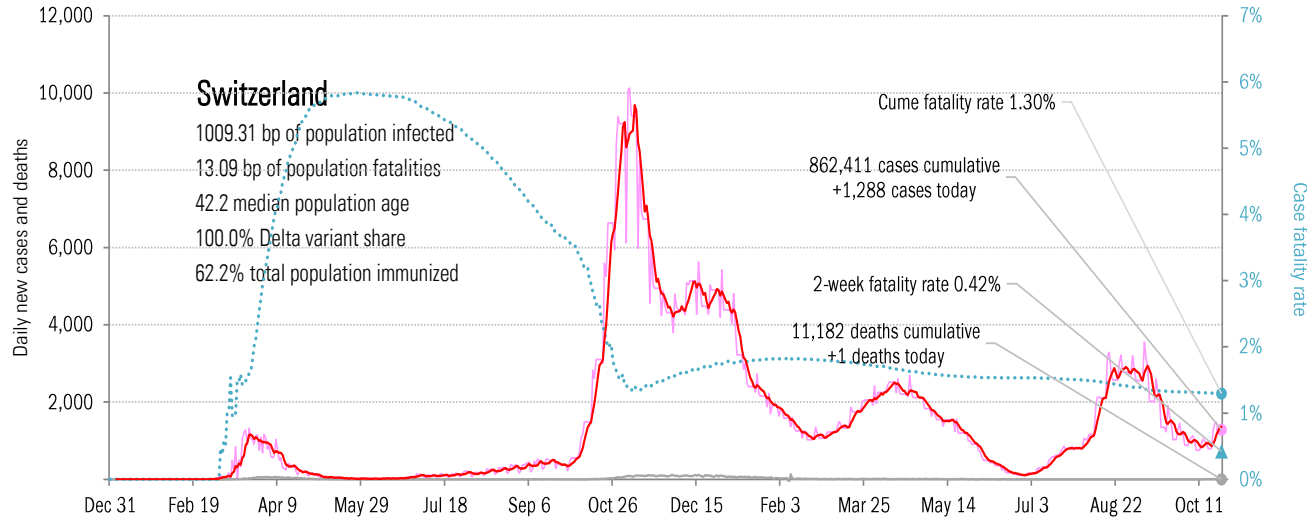
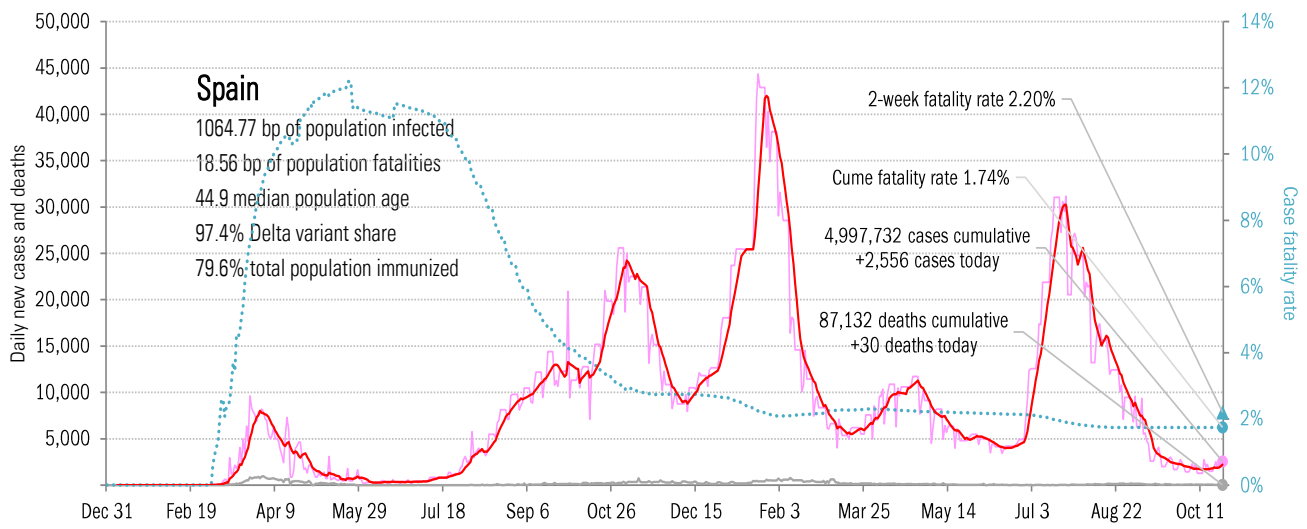
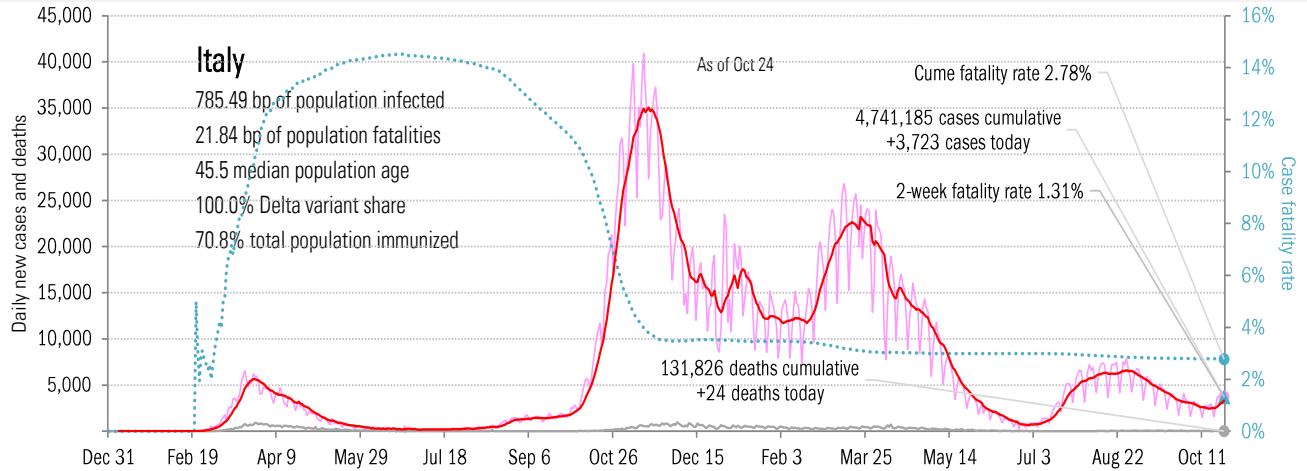


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

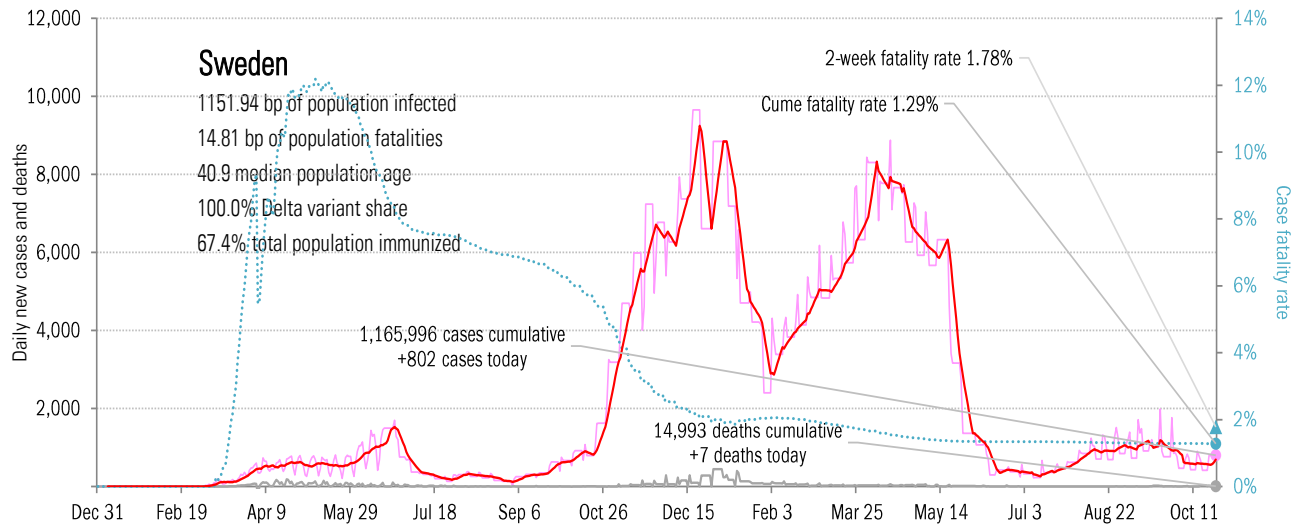
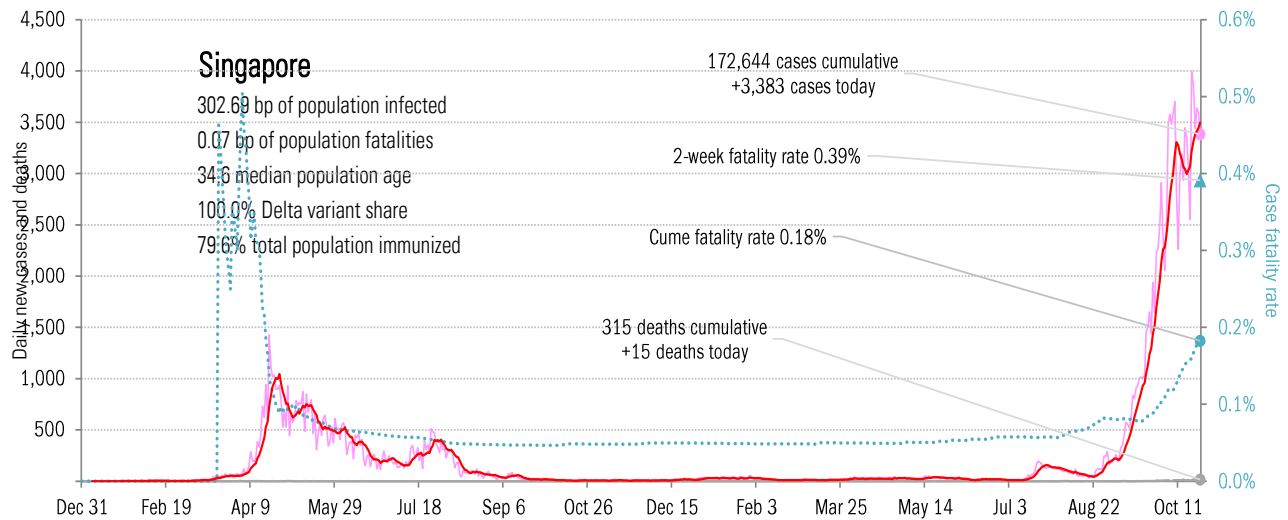
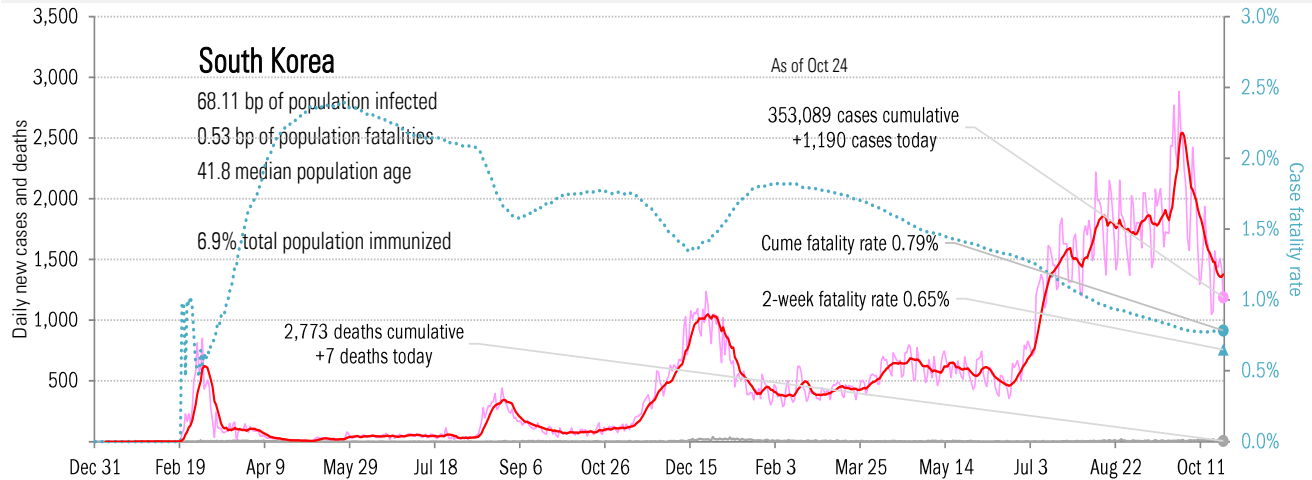
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

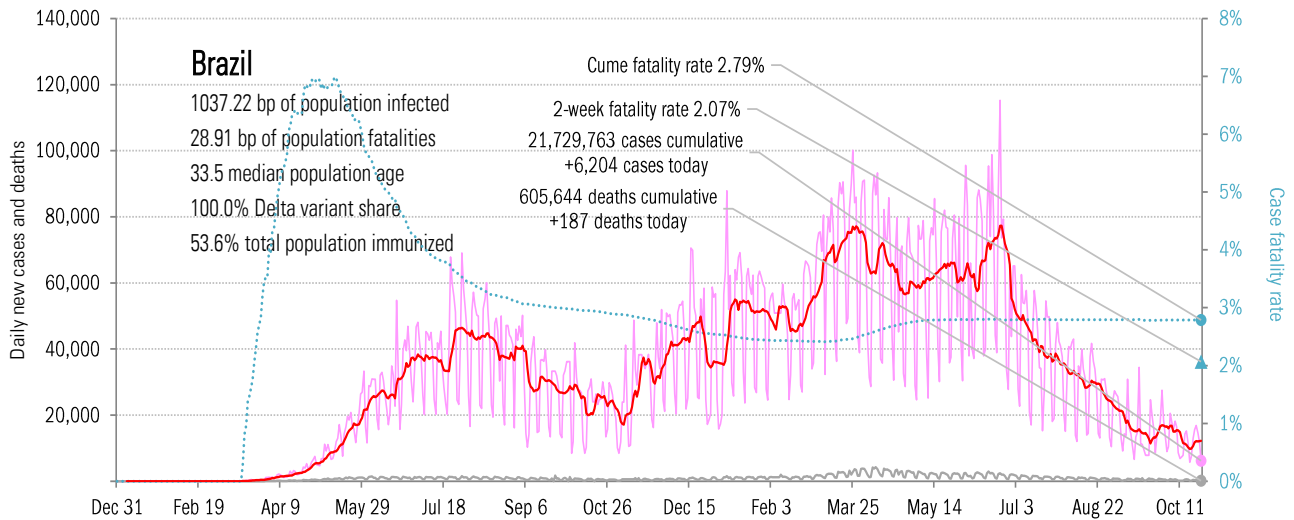
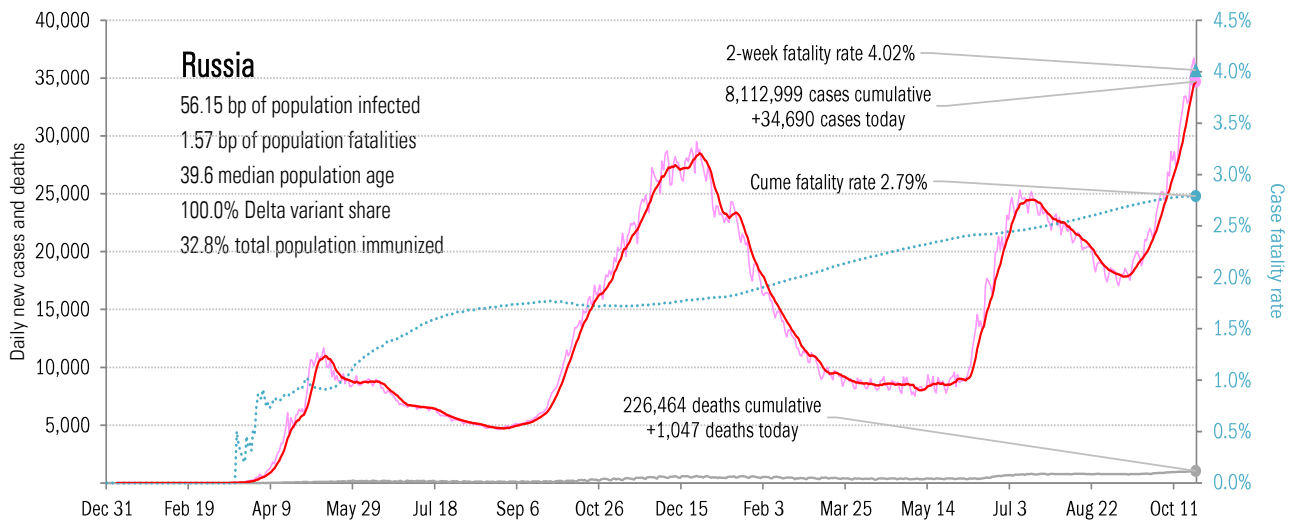
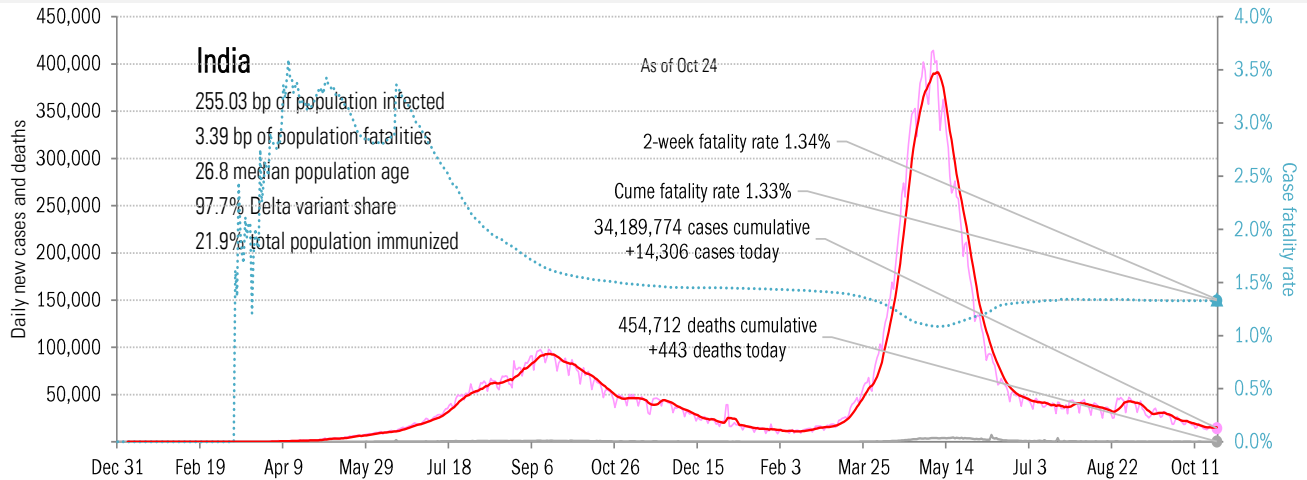
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

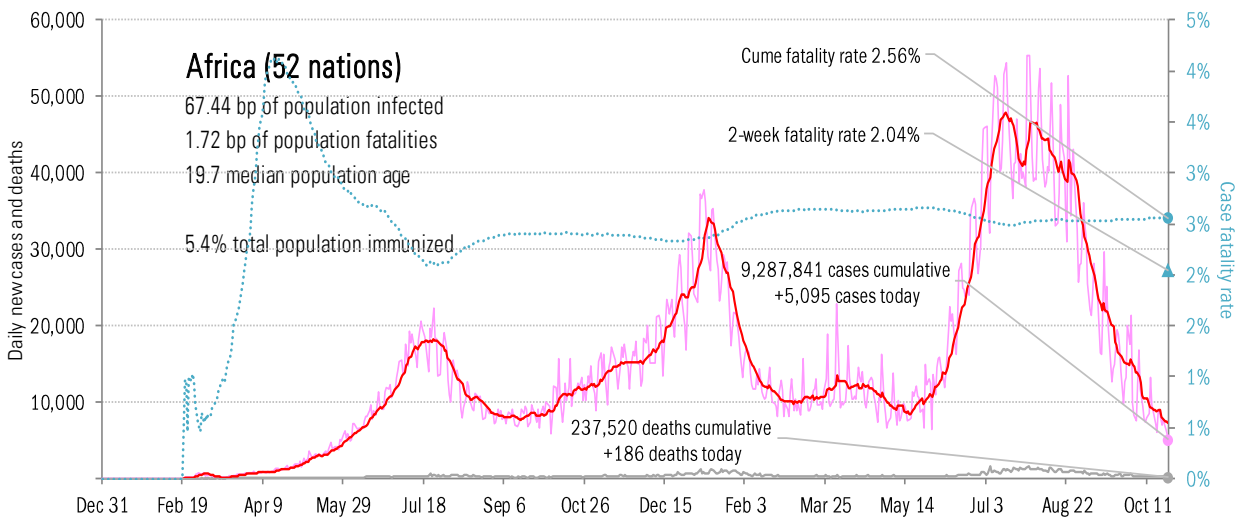
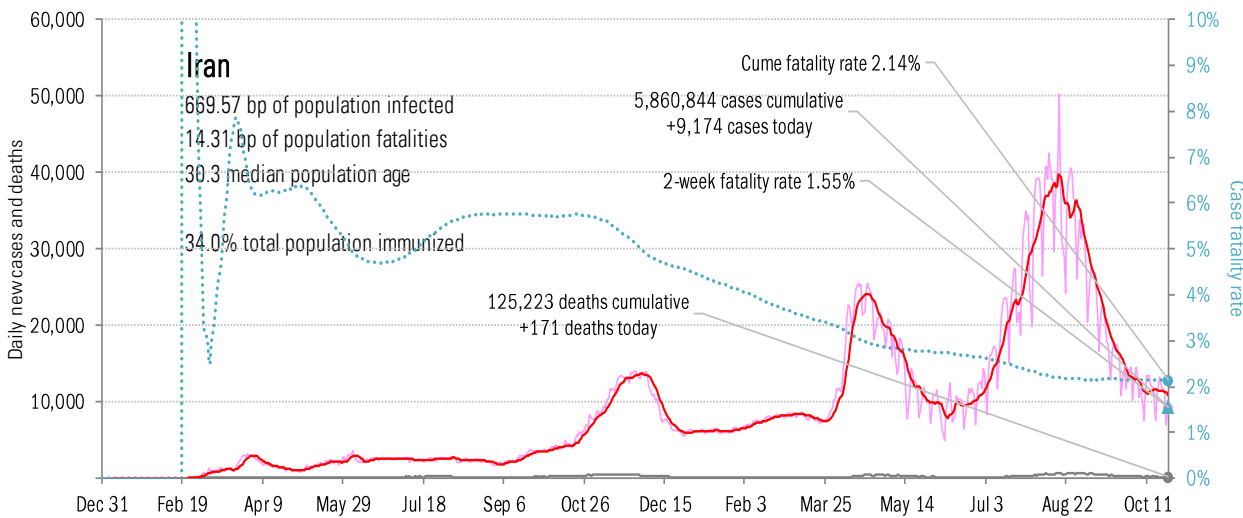
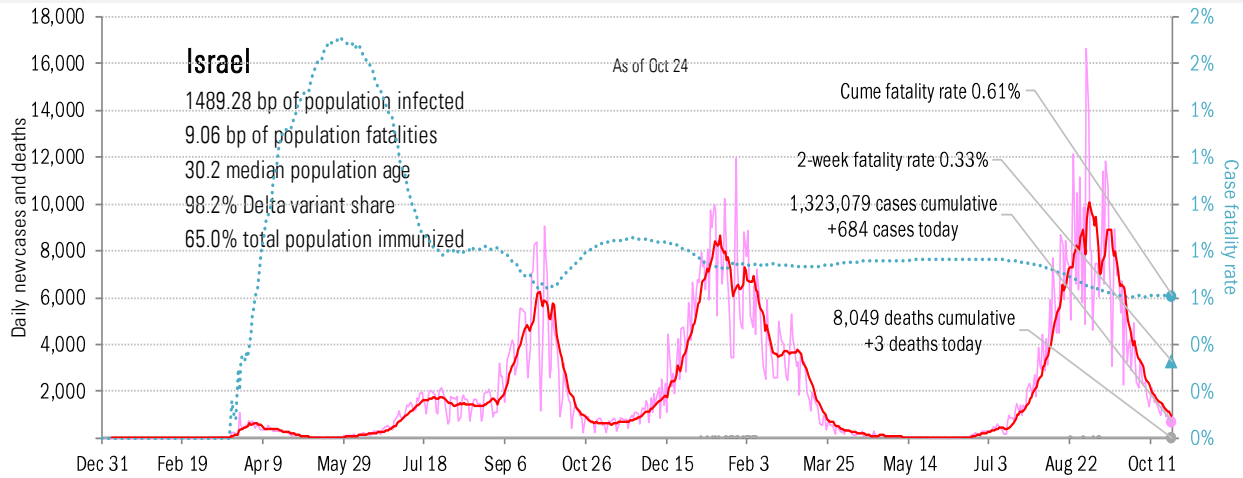
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

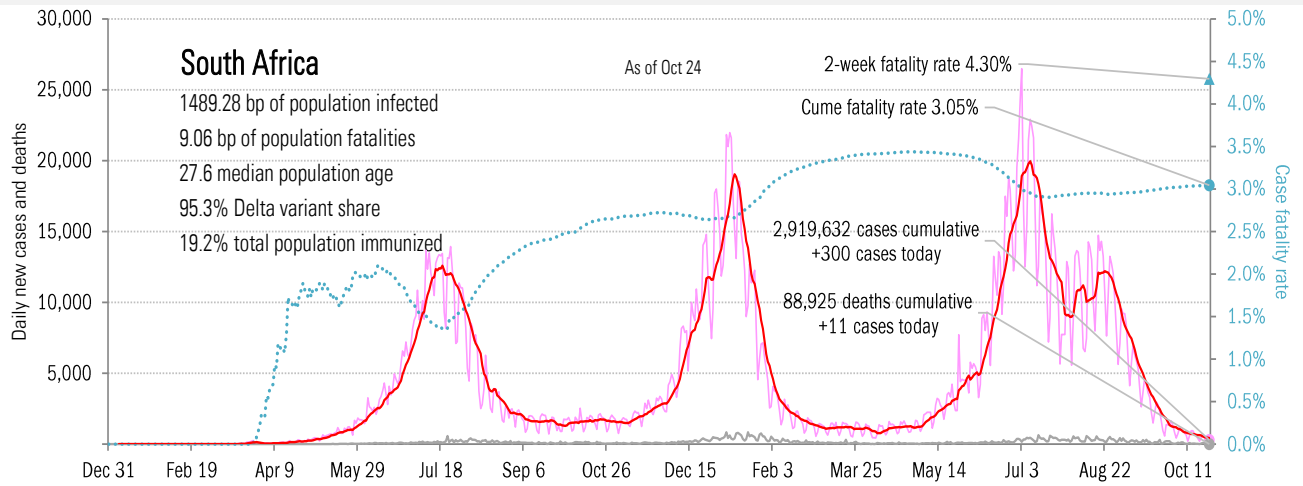
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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