

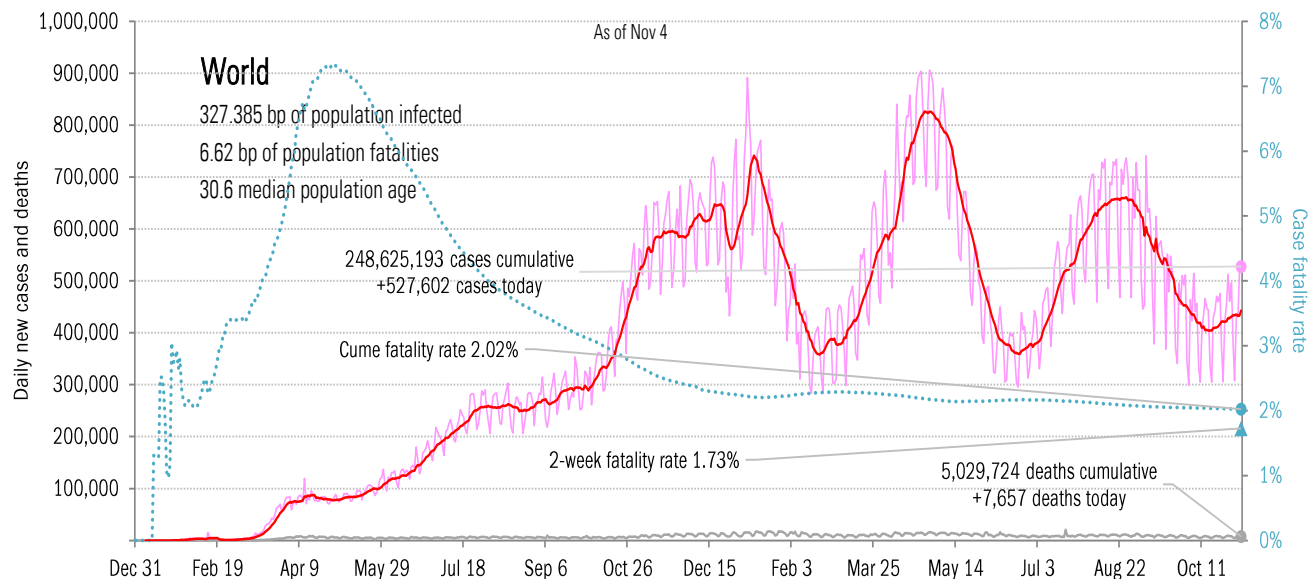
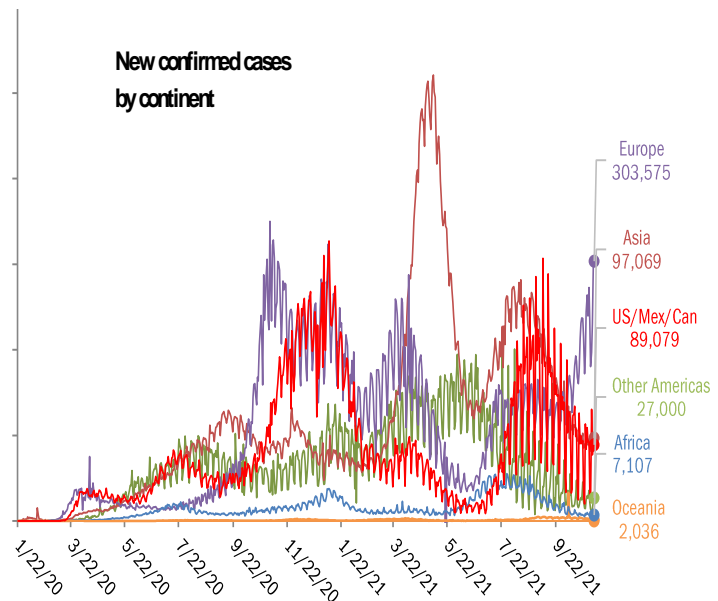
## Data Insights: Covid-2019 Monitor

Friday, November 5, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+83,797	Russia	+1,165
Russia	+39,117	United States	+1,156
Germany	+37,640	Ukraine	+729
United Kingdom	+36,963	Romania	+489
Turkey	+29,482	Brazil	+436
Ukraine	+28,477	Poland	+250
Thailand	+16,130	Philippines	+239
Poland	+15,511	Turkey	+228
Brazil	+13,352	India	+221
India	+12,729	United Kingdom	+219
<b>+313,198</b>		<b>+5,132</b>	
World +527,602		World +7,657	
Top ten 59%		Top ten 67%	



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

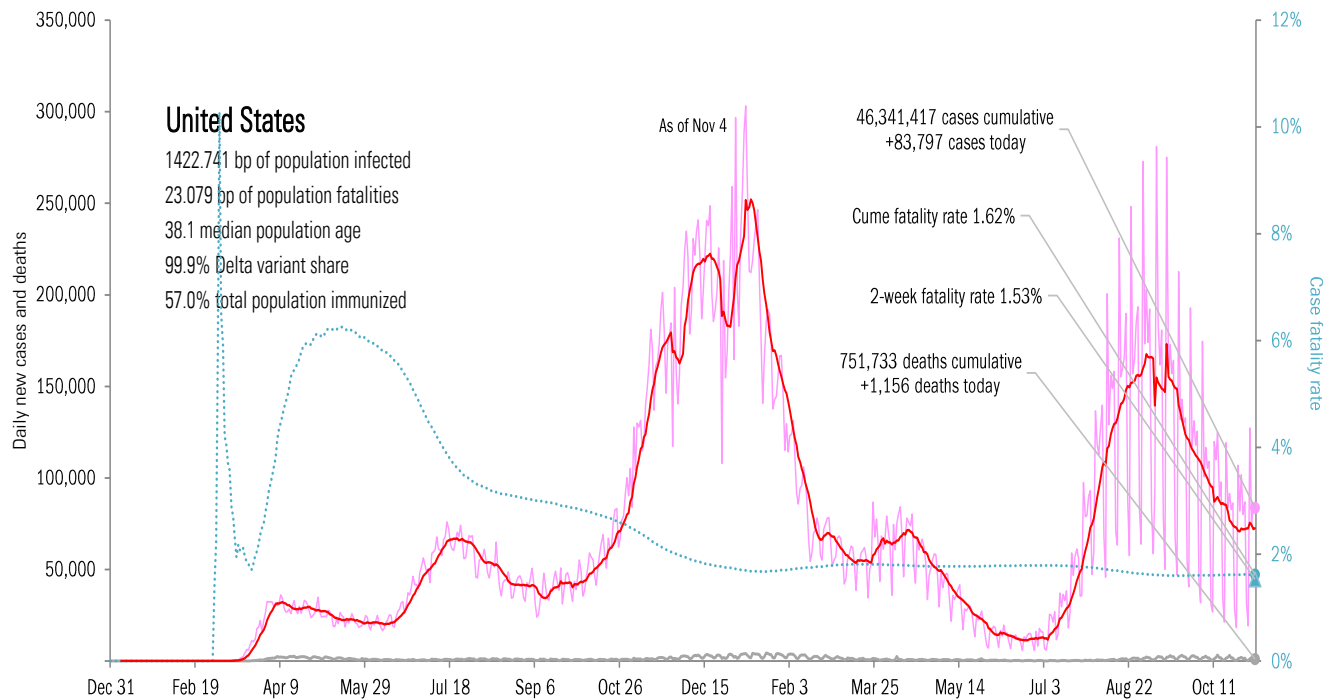
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	+8,494		TX	+129		CA	+55		CA	4,949,489		CA	72,366		TX	375,725		MA	89%	ID	88%
PA	+5,162		CA	+85		GA	+48		TX	4,254,698		TX	71,666		FL	319,087		RI	87%	RI	88%
NY	+4,635		GA	+83		CH	+41		FL	3,697,373		FL	59,848		CA	311,618		PA	84%	TX	87%
CH	+4,487		OR	+74		AZ	+31		NY	2,576,396		NY	56,610		NY	164,540		MI	83%	CO	87%
IL	+4,267		PA	+72		MI	+31		IL	1,710,044		PA	31,783		GA	160,049		MD	83%	NM	85%
CO	+4,149		AL	+58		VI	+28		GA	1,639,896		GA	29,393		CH	124,309		WA	83%	DE	85%
MN	+3,698		CO	+51		MN	+20		PA	1,580,346		IL	28,359		PA	117,608		MN	83%	NH	85%
AZ	+3,552		WA	+40		CO	+13		CH	1,560,695		NJ	28,011		KY	111,537		CT	82%	GA	84%
TX	+3,441		VA	+37		IA	+12		NC	1,487,656		CH	24,763		IL	105,205		GA	82%	MA	84%
VI	+3,338		TN	+33		NM	+12		MI	1,297,496		MI	23,879		MI	92,294		NY	82%	AL	83%
+45,223			+662			+291			24,754,089			426,678			1,881,972						
All states	+83,797		+1,156			+1			All states	46,341,417		751,733			3,365,426			All states	70%	67%	
Top ten	54%		57%			29100%			Top ten	53%		57%			56%			Median	76%	79%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-11,978	CK	-169	MT	-88	ND	+160 bp
FL	-3,090	MI	-149	NE	-53	MN	+140 bp
KS	-2,246	FL	-128	AL	-43	AL	+10 bp
IA	-1,756	PA	-109	MD	-32	AR	+10 bp
TX	-607	IA	-104	MA	-28	CA	+10 bp

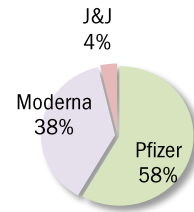


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	438,624,575	+1.494 million	US	57.0%	66.2%
Boosters	21,841,652	+0.894 million	UK	67.1%	73.5%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	228,277,038	68%	198,240,743	59%	+0.302 million
Age 12 to 17	14,233,855	60%	11,957,802	50%	+0.019 million
Age 18 to 64	157,642,958	77%	136,934,384	67%	+0.224 million
Age 65 and over	55,283,586	101%	48,424,379	88%	+0.058 million

France	68.1%	75.9%
Spain	79.9%	81.4%
Germany	66.3%	68.9%
Italy	71.8%	77.3%
Australia	66.1%	74.5%
Israel	65.3%	71.0%
Canada	74.6%	78.6%
Japan	73.4%	78.1%
Africa	6.2%	9.2%
India	24.2%	53.1%
Brazil	56.4%	74.4%
China	74.1%	76.2%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

Every American >18 immunized in **42 days** by Dec 15, 2021  
 71.8% of population >18 immunized  
 16.5% previously tested positive  
**88.3%** vs 60% adult herd immunity

Global data differs due to sources, timing

AK
59.6%
52.8%

WI
62.9%
58.5%

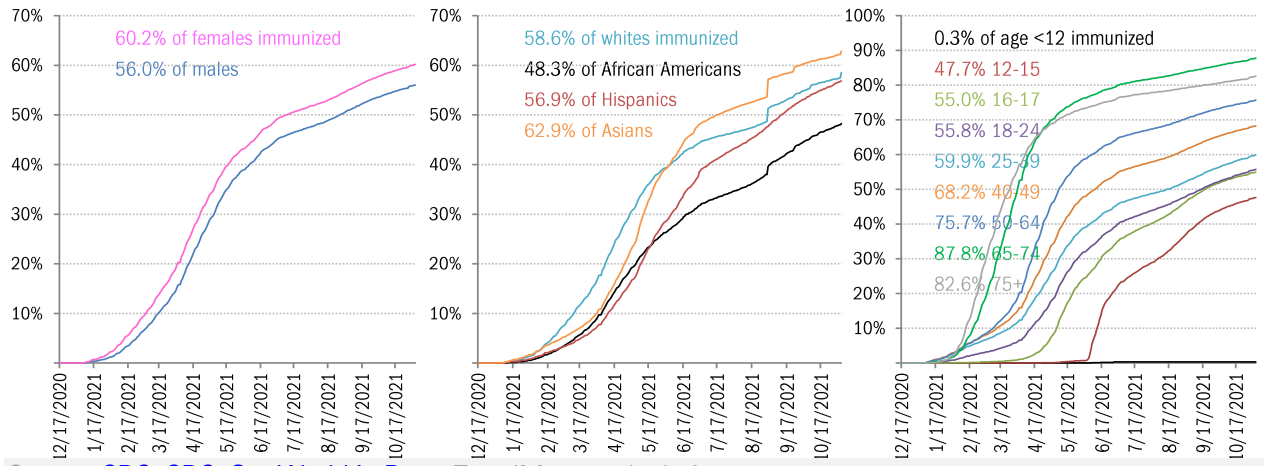
As of Nov 4

ME
77.2%
70.9%

WA: 69.7% / 63.8%	ID: 49.3% / 44.1%	MT: 57.2% / 50.7%	ND: 55.2% / 47.7%	MN: 65.6% / 61.4%	IL: 66.0% / 60.7%	MI: 58.5% / 53.7%	NY: 74.7% / 67.0%	VT: 80.1% / 71.5%	NH: 77.9% / 63.1%	
OR: 68.6% / 63.1%	NV: 63.7% / 53.2%	WY: 51.2% / 44.2%	SD: 62.7% / 52.9%	IA: 59.9% / 55.7%	IN: 53.9% / 50.0%	OH: 56.0% / 52.0%	PA: 78.9% / 60.8%	NJ: 75.4% / 66.6%	MA: 80.7% / 69.9%	
CA: 74.9% / 61.6%	UT: 61.5% / 53.9%	CO: 67.9% / 61.8%	NE: 61.2% / 56.4%	MO: 57.1% / 49.9%	KY: 57.7% / 50.9%	WV: 49.1% / 41.1%	VA: 71.5% / 63.3%	MD: 73.1% / 66.1%	CT: 79.5% / 70.9%	RI: 78.6% / 71.2%
	AZ: 61.5% / 53.3%	NM: 72.5% / 62.3%	KS: 62.9% / 53.4%	AR: 58.2% / 48.2%	TN: 54.8% / 47.9%	NC: 65.1% / 52.9%	SC: 57.9% / 50.2%	DC: 75.5% / 62.8%	DE: 69.5% / 60.1%	
		OK: 59.8% / 50.3%	LA: 54.0% / 47.8%	MS: 52.3% / 46.0%	AL: 54.8% / 45.0%	GA: 57.2% / 48.5%				
			TX: 61.6% / 53.6%				FL: 69.3% / 59.9%		PR: 82.4% / 73.7%	

HI
79.1%
60.0%

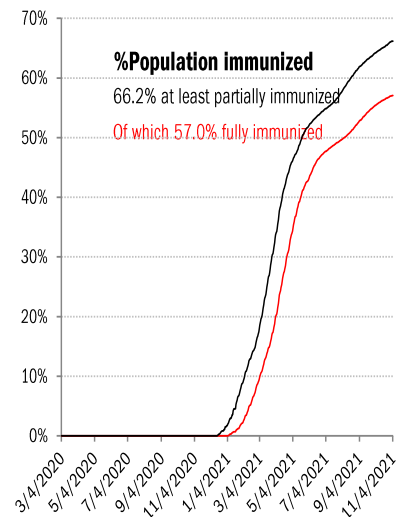
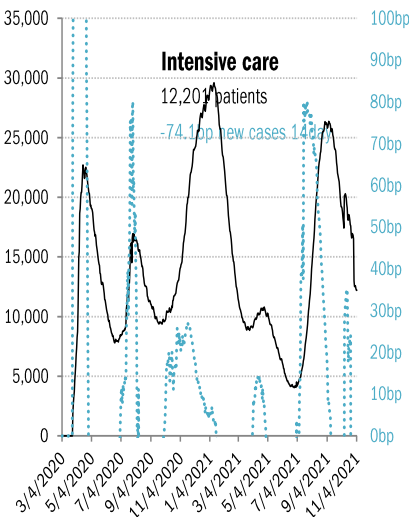
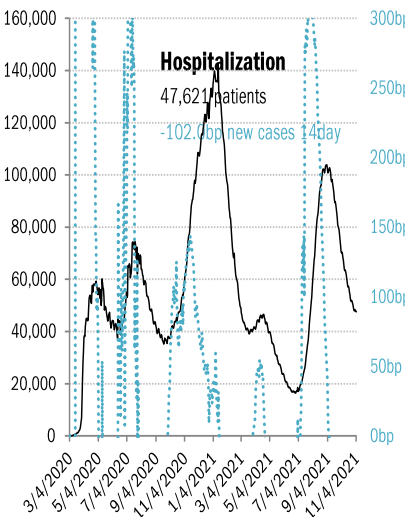
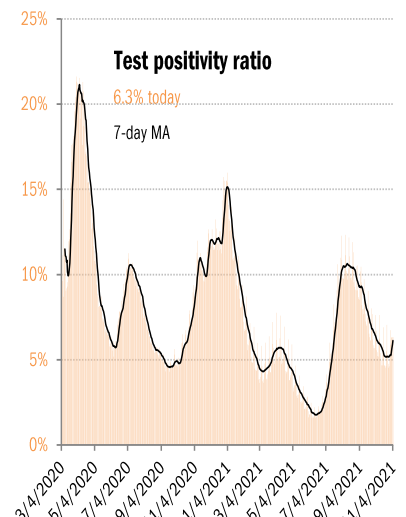
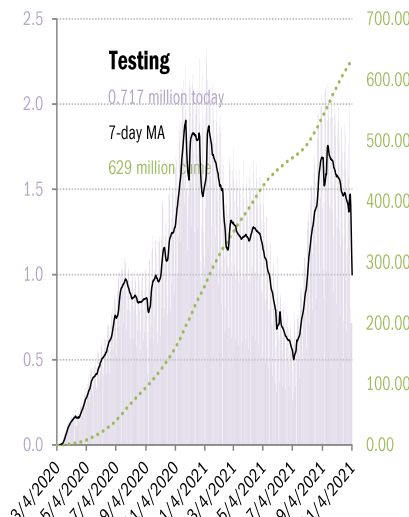
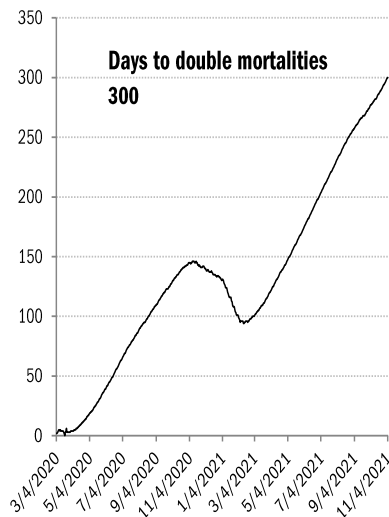
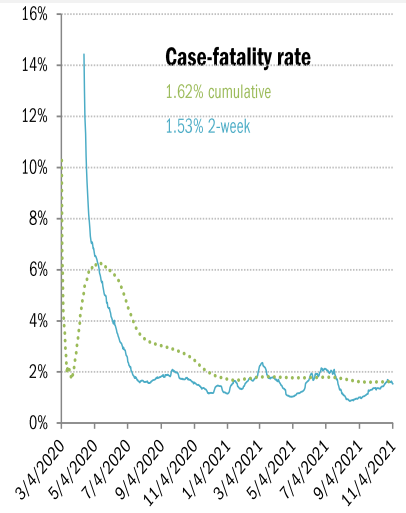
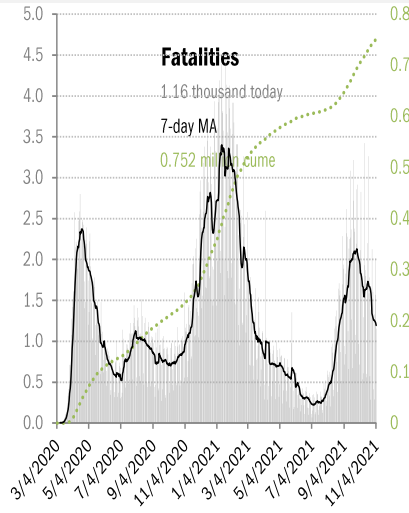
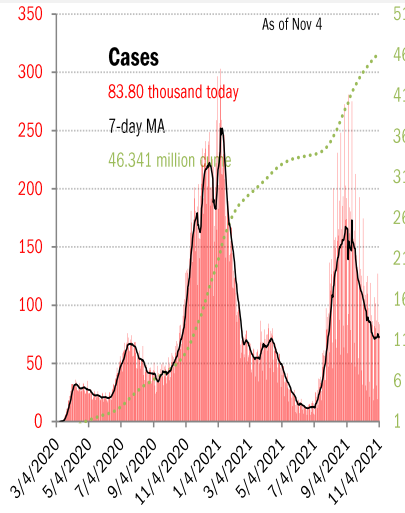
## The demographics of US vaccination



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

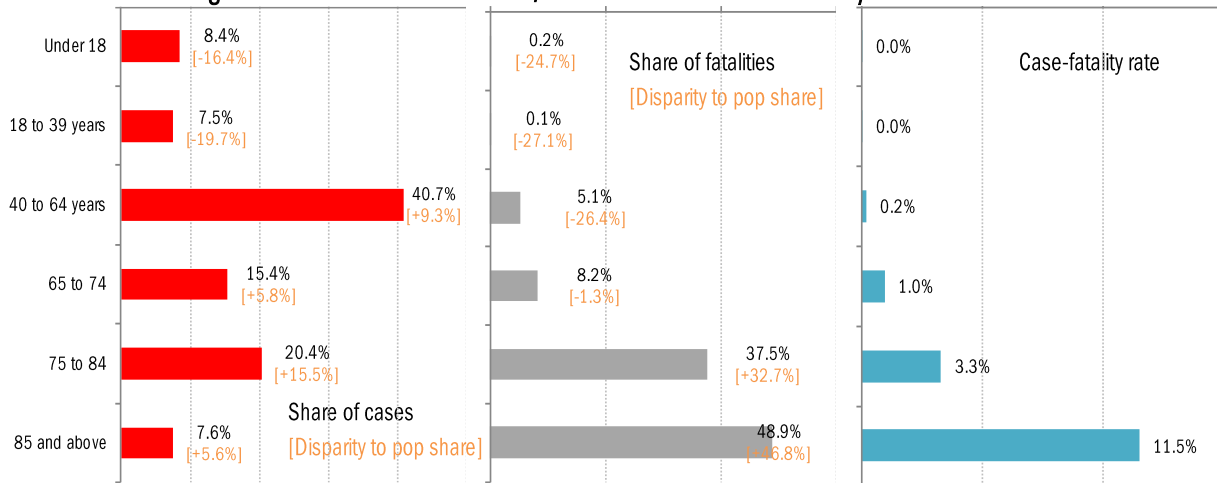
# US deep-dive

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

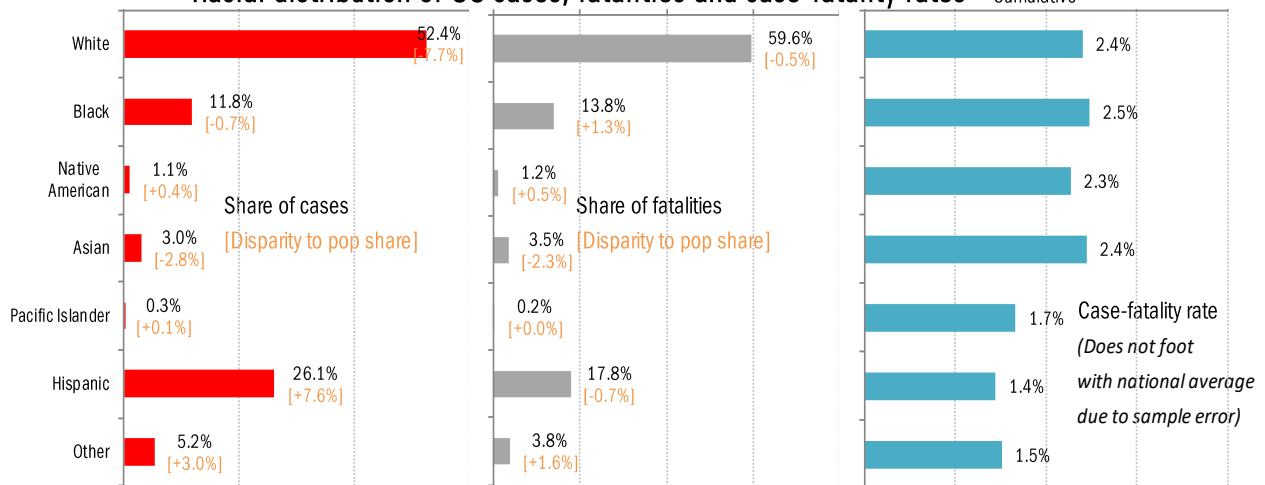


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

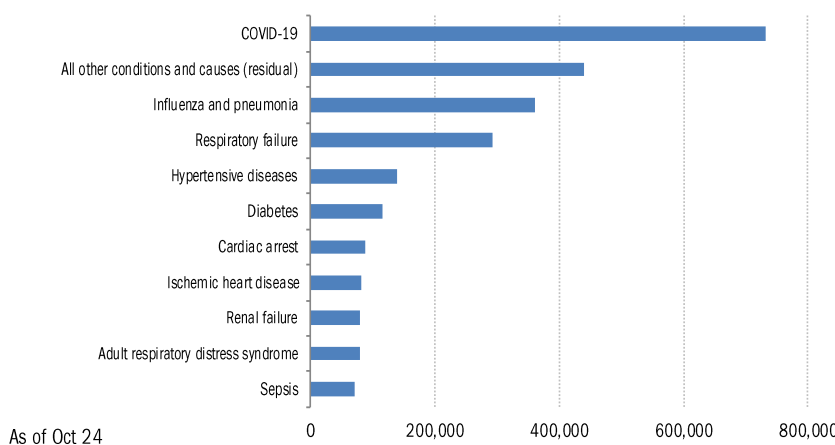


Racial distribution of US cases, fatalities and case-fatality rates



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

### [OSHA's Vaccine Mandate Overkill](#)

*Wall Street Journal*

November 4, 2021

### [Majority Support Workers Resisting Vaccine Mandates](#)

*Rasmussen Reports*

November 4, 2021

### [COVID-19 Vaccination and Testing: Emergency Temporary Standard](#)

*Federal Register*

November 5, 2021

### [US Department of Labor issues emergency temporary standard to protect workers from coronavirus](#)

*OSHA National News Release*

November 4, 2021

### [OSHA Vaccine Mandate and the Biden Administration: What to Know](#)

Sarah Chaney Cambon

*Wall Street Journal*

November 4, 2021

### [Biden's Vaccine Mandate Means Millions of Workers Must Get Shots by Jan. 4 or Test Weekly](#)

Stephanie Armour and Sabrina Siddiqui

*Wall Street Journal*

November 4, 2021

### [Fauci Staffers Flagged Potential Gain-Of-Function Research At Wuhan Lab In 2016, Records Reveal](#)

Andrew Kerr

*Daily Caller*

November 3, 2021

## Meme of the day



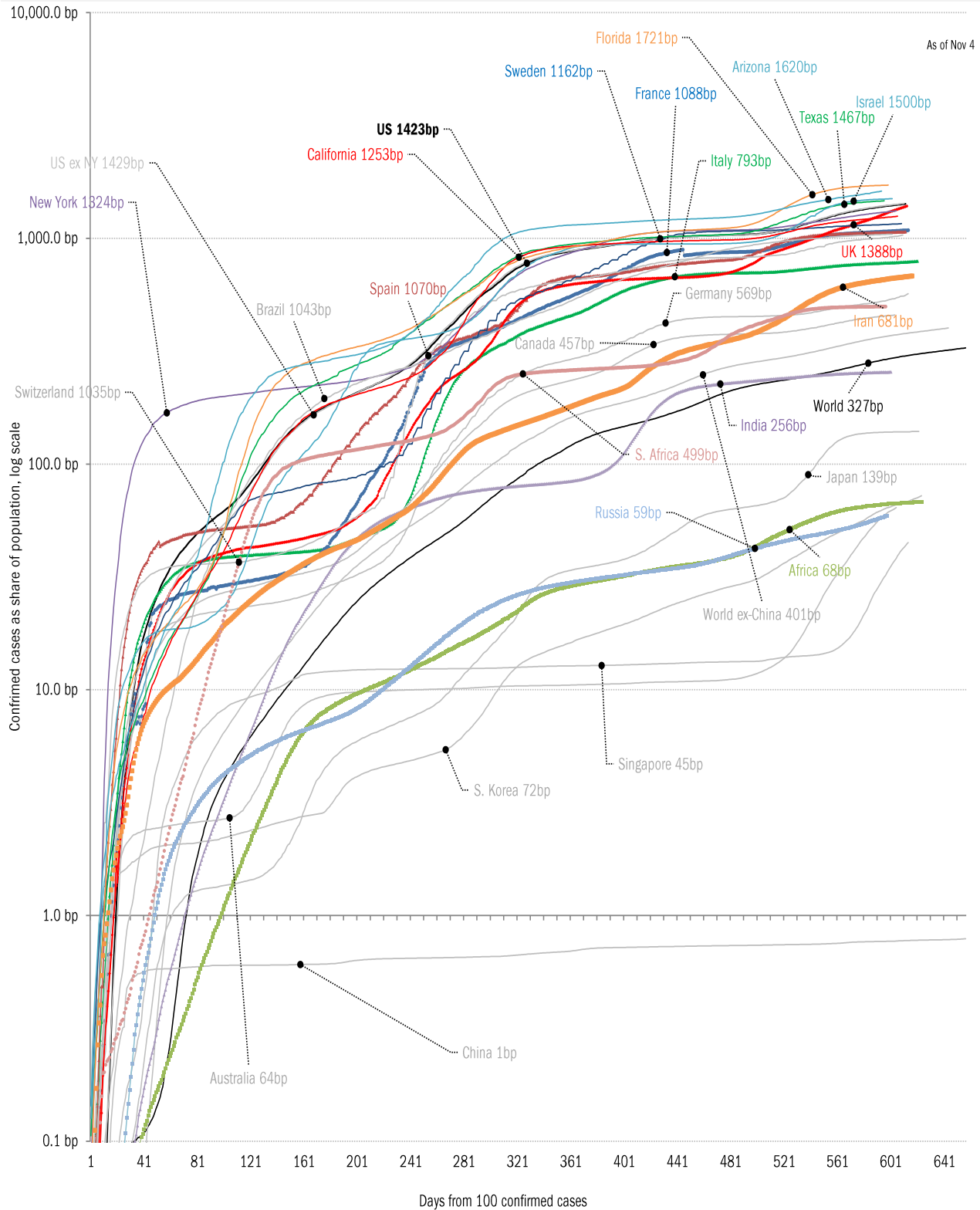
JUST IN: Florida Gov DeSantis states, “A recession is when your neighbor loses his job; a depression is when you lose yours; a recovery is when Dr. Fauci loses his.”



From [Team DeSantis](#)

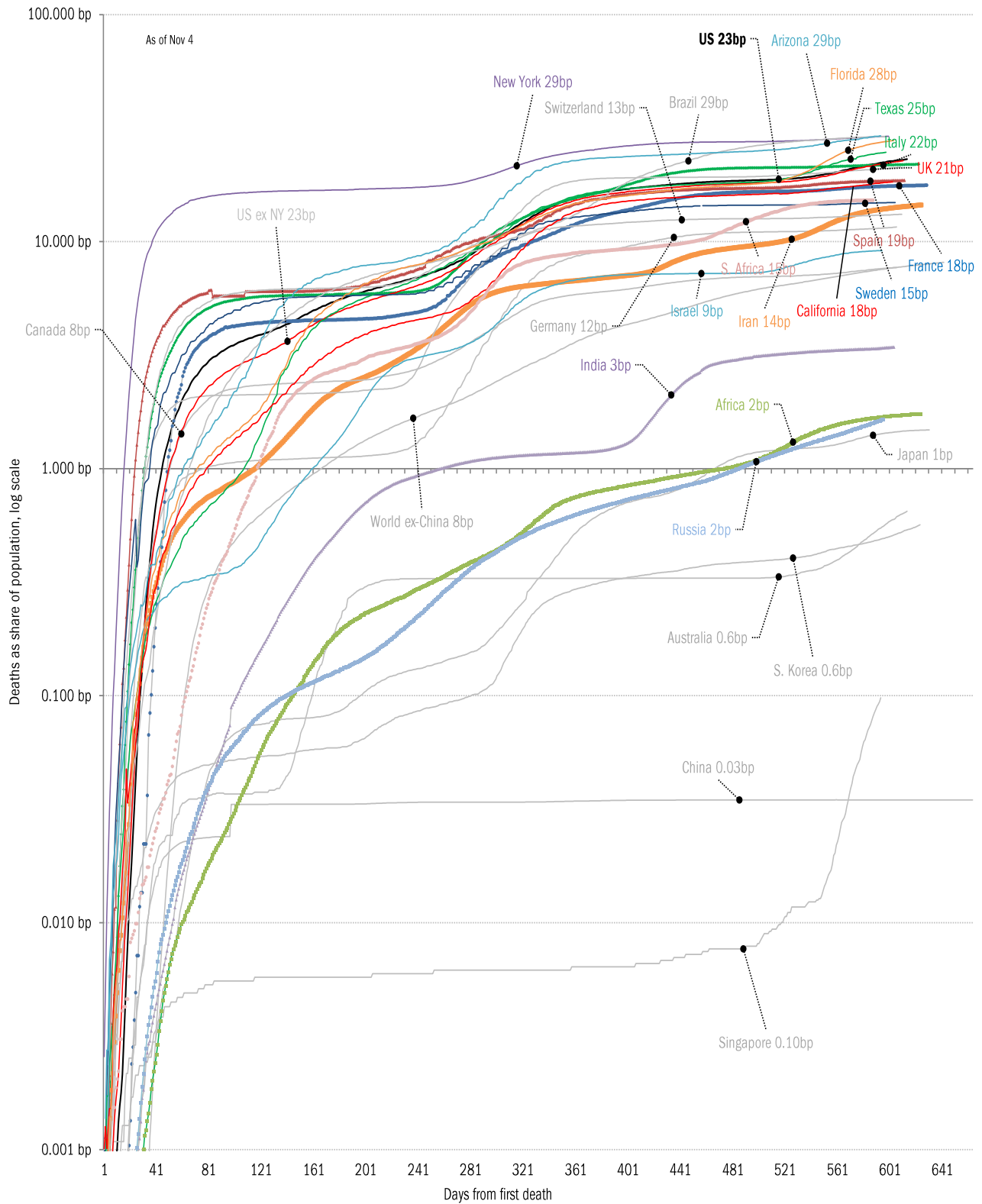
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



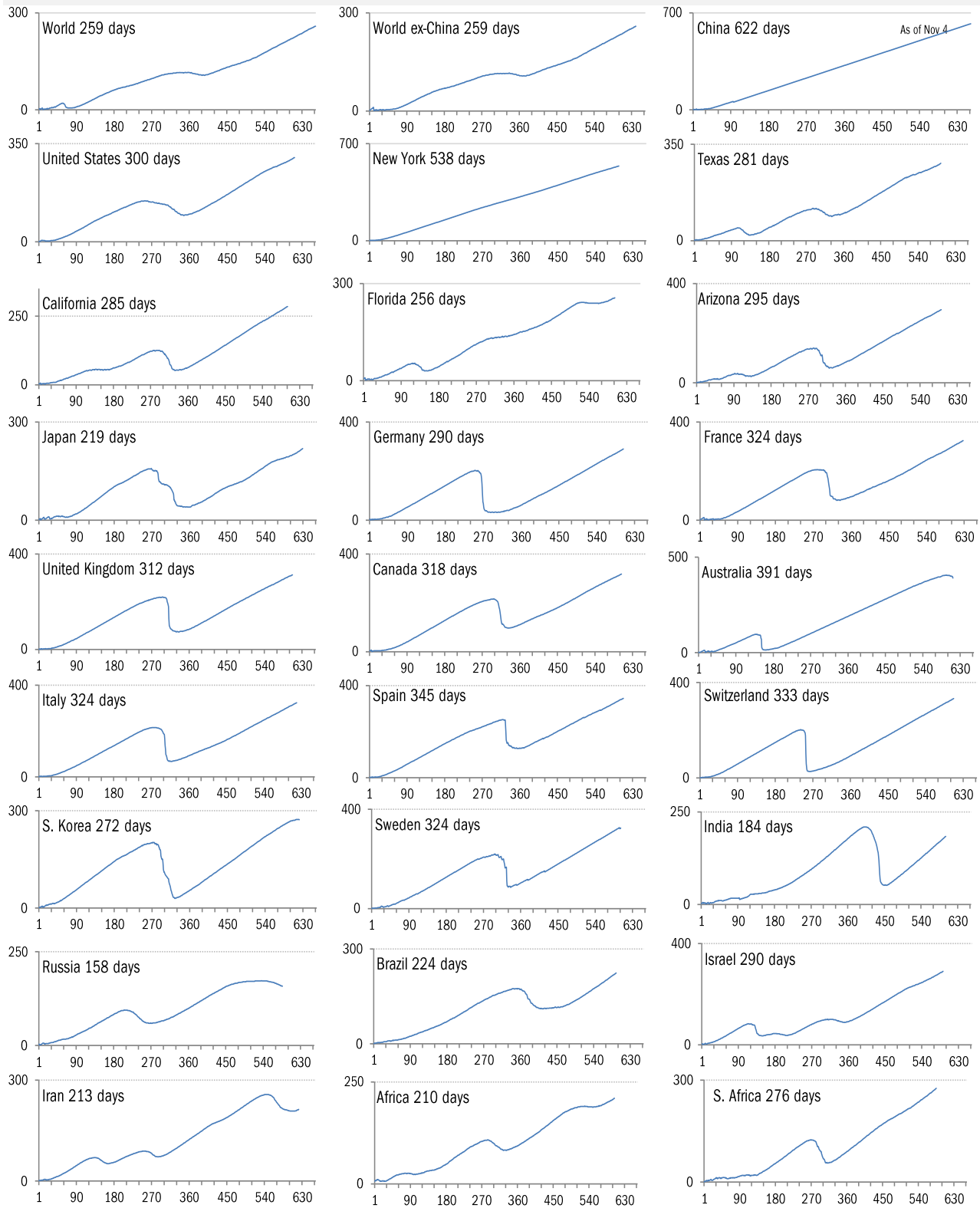
Source: [Johns Hopkins](#), TrendMacro calculations



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

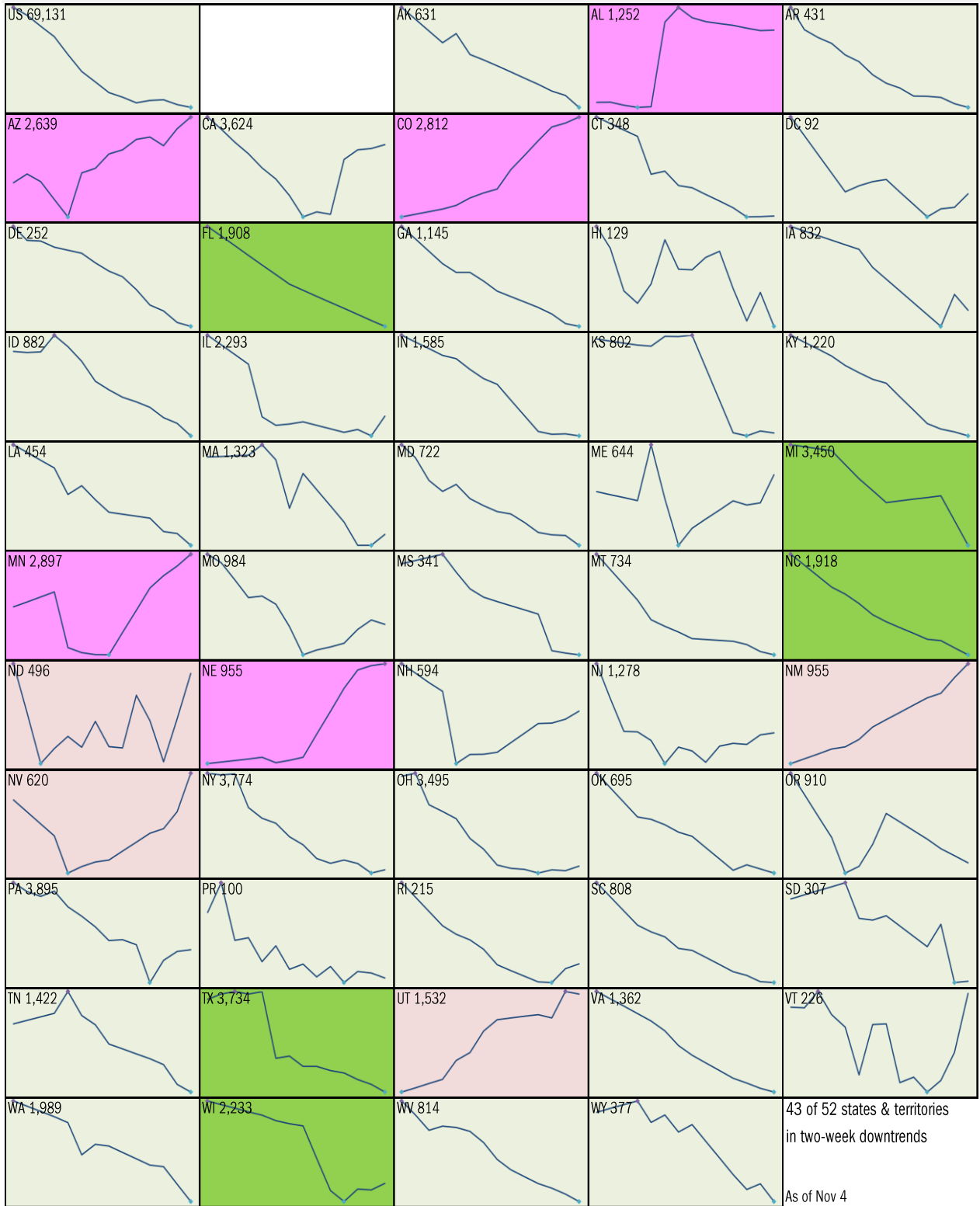
Vertical: days to double deaths Horizontal: days from first death

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

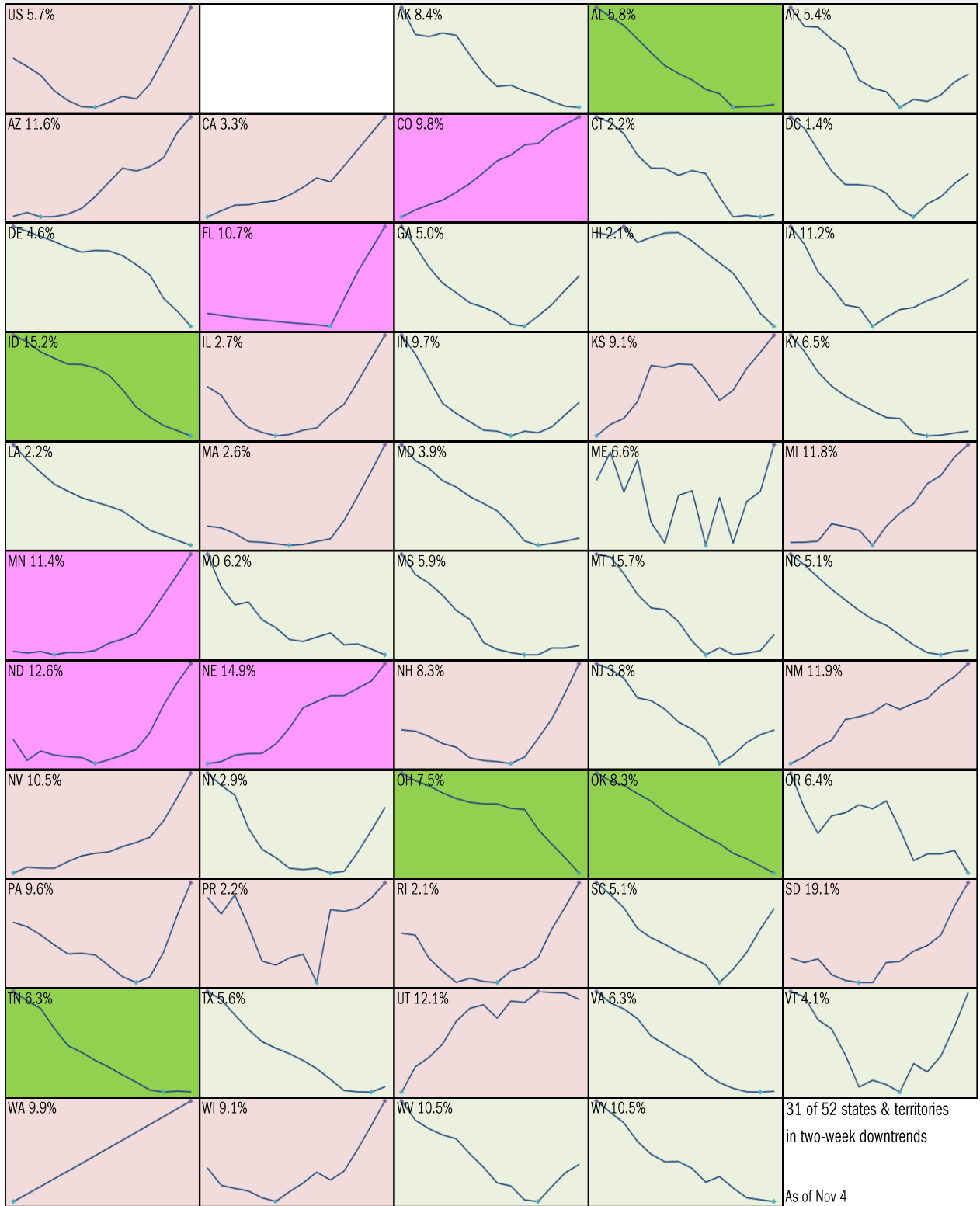


Source: [Johns Hopkins](#), TrendMacro calculations

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

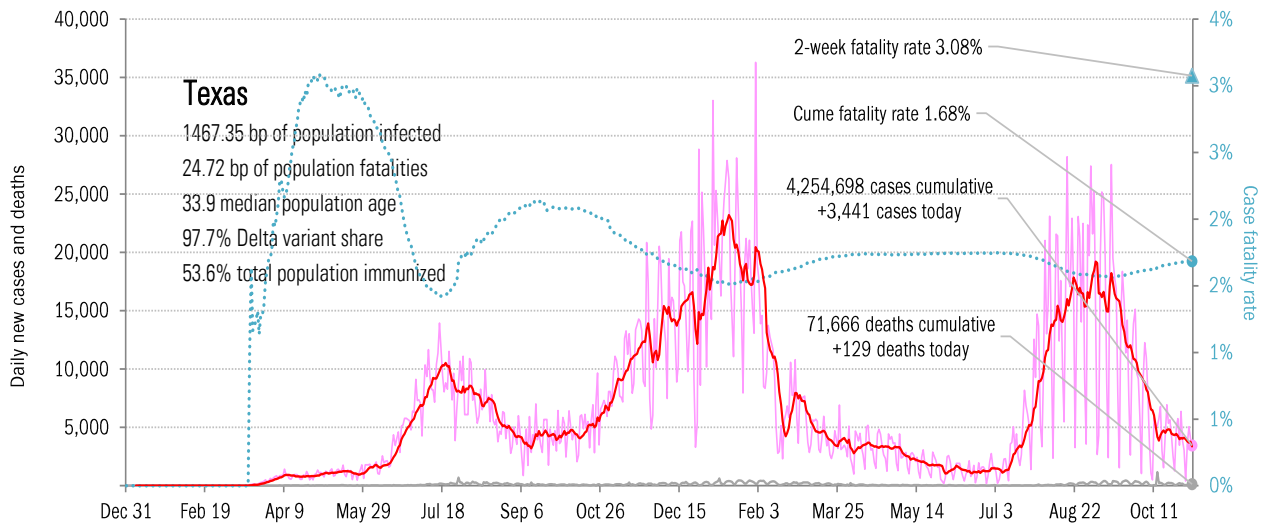
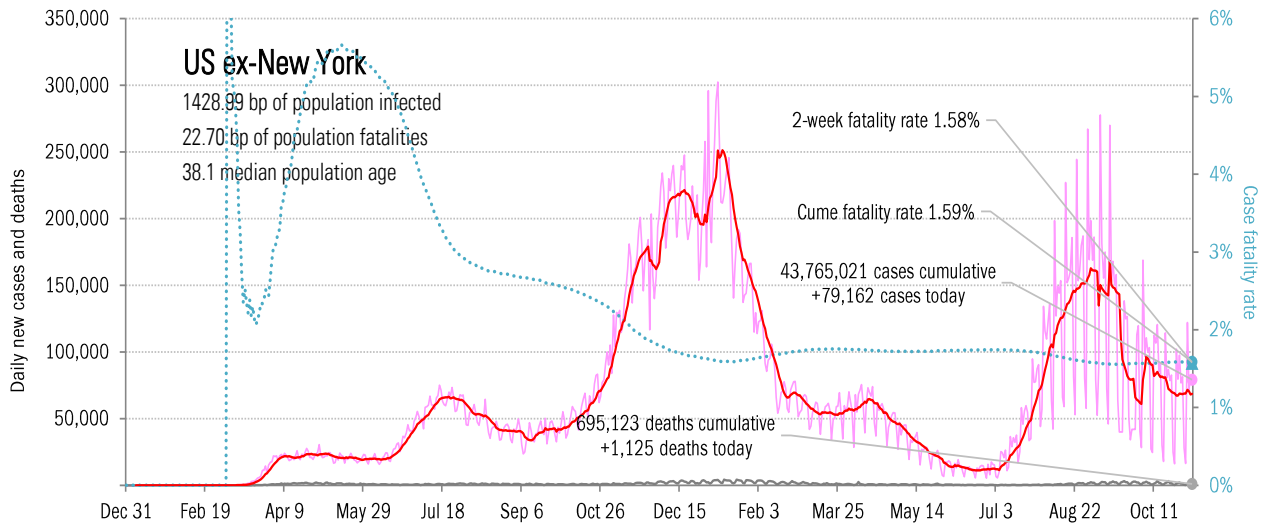
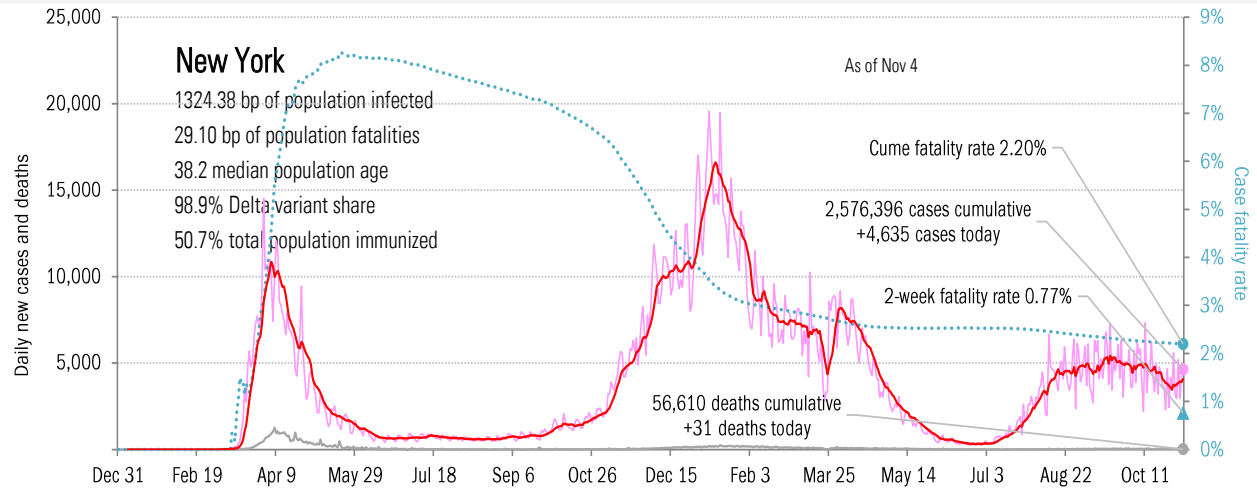
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

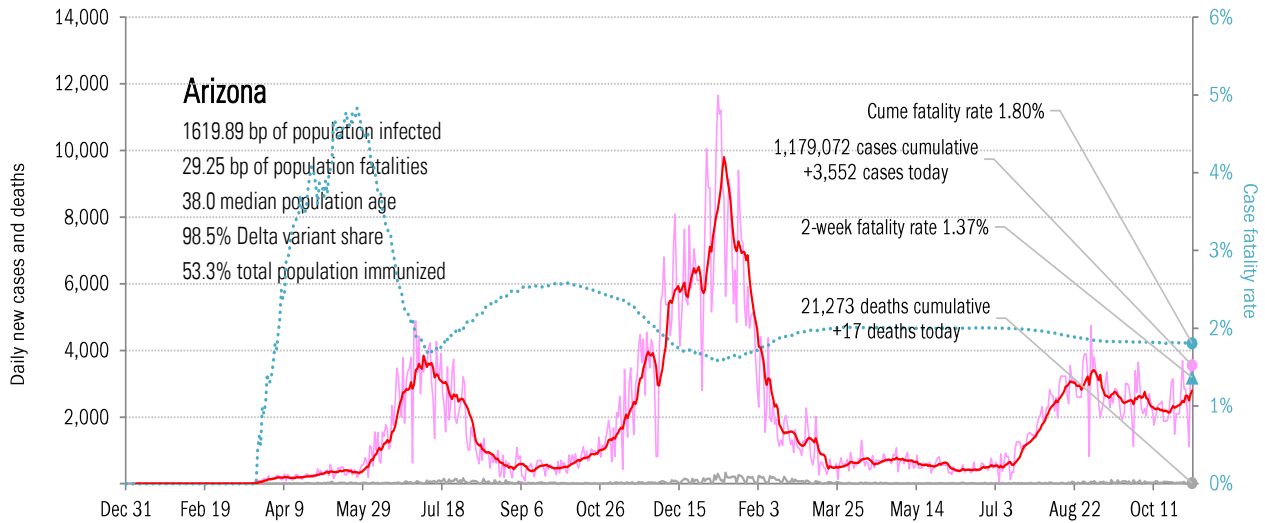
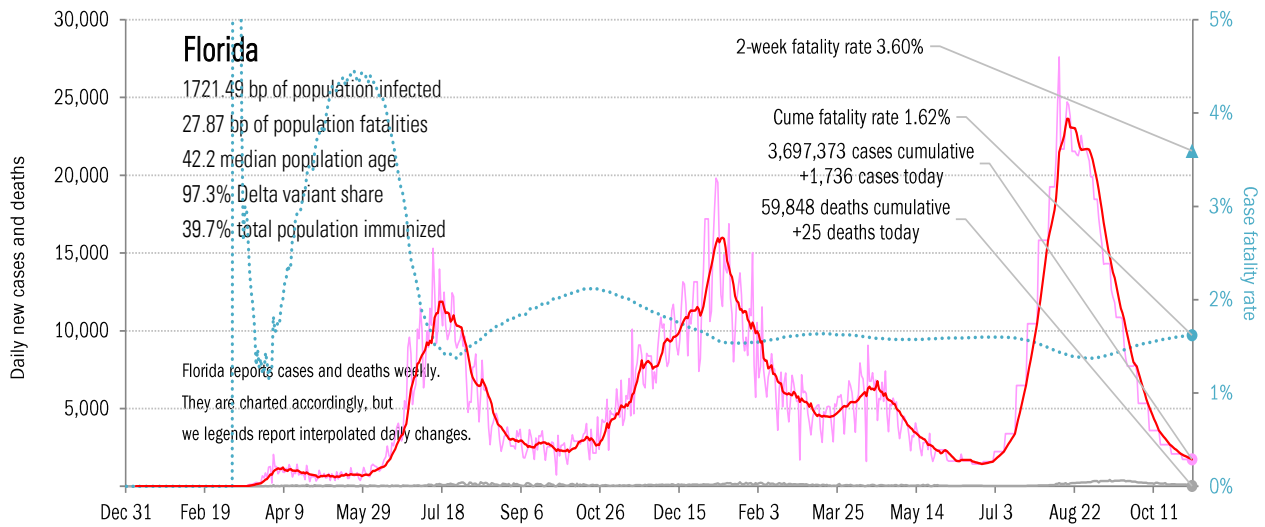
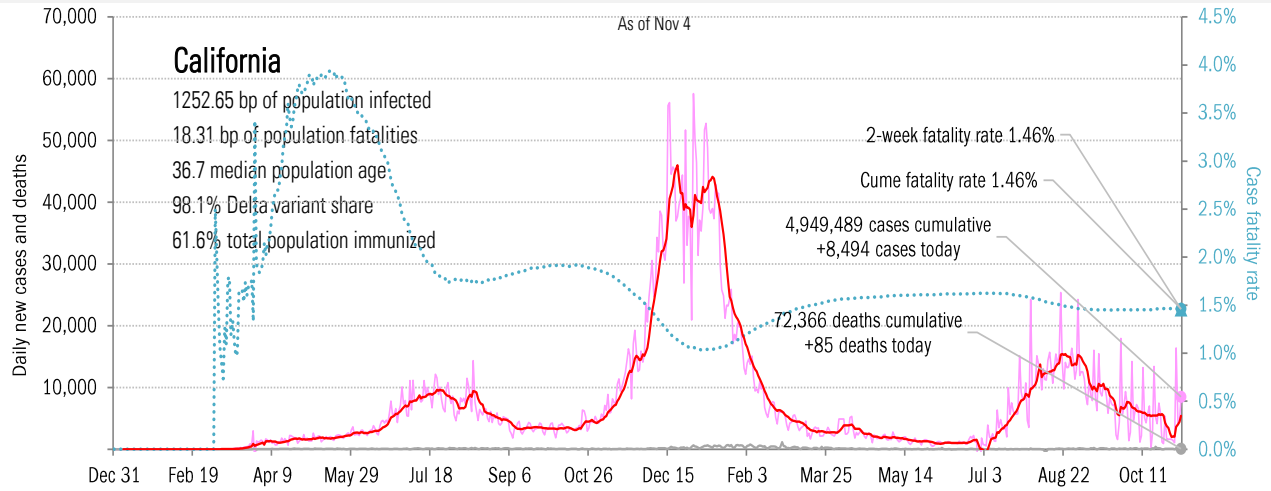
Cases: 7-day average and daily Deaths: Daily



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

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

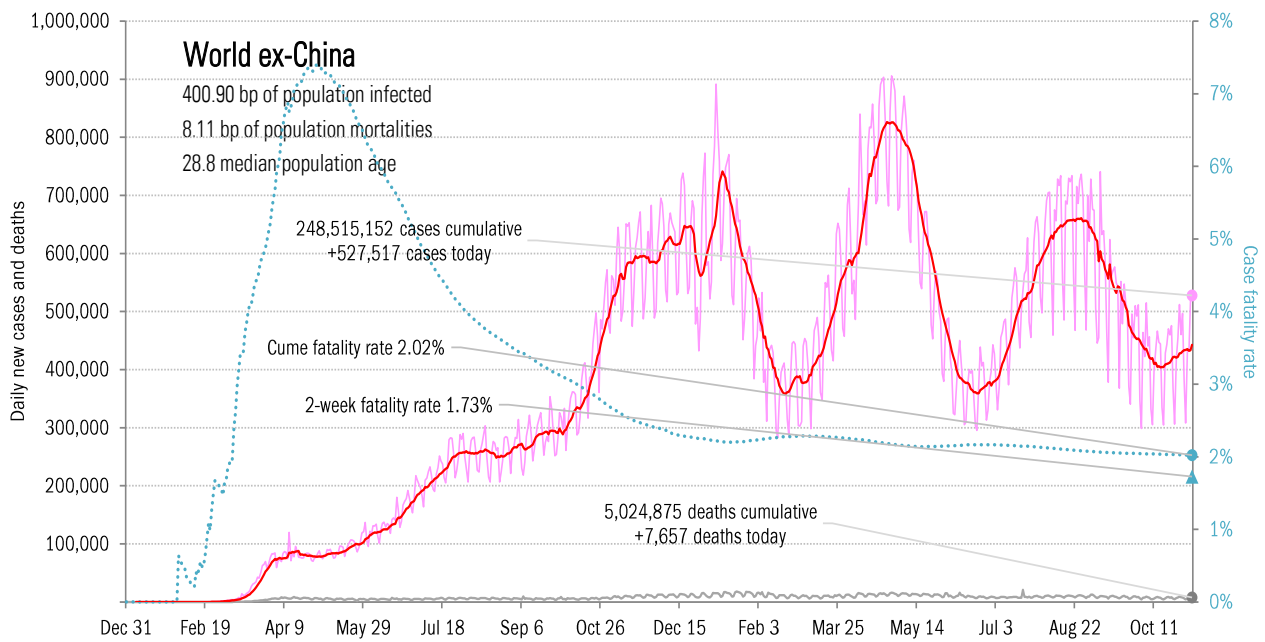
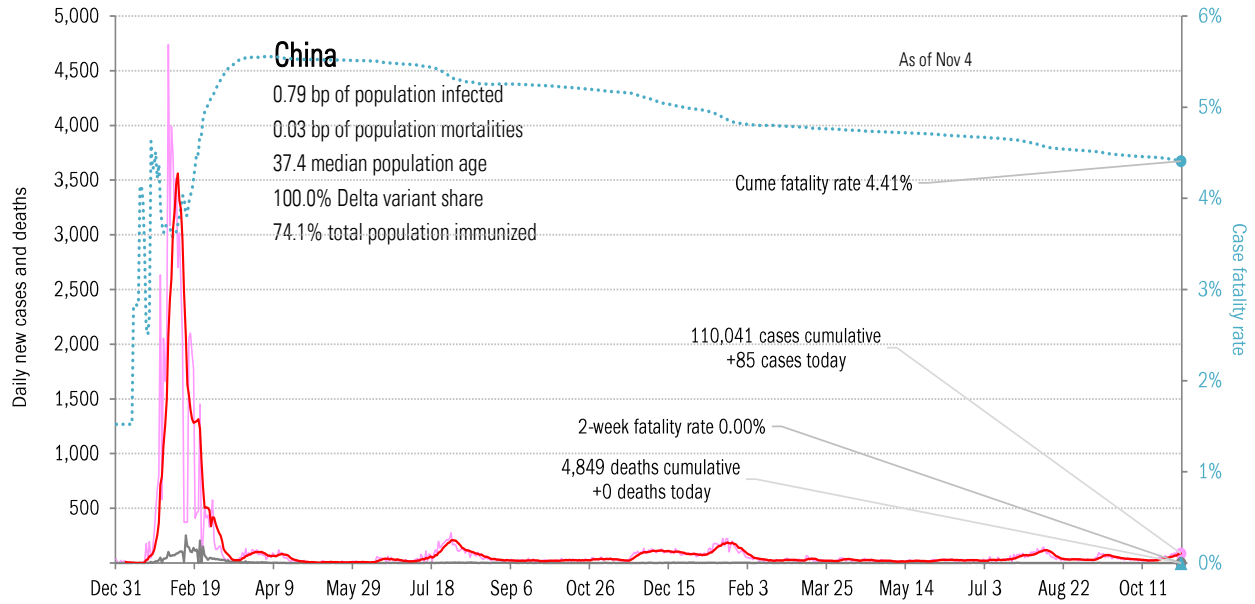
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

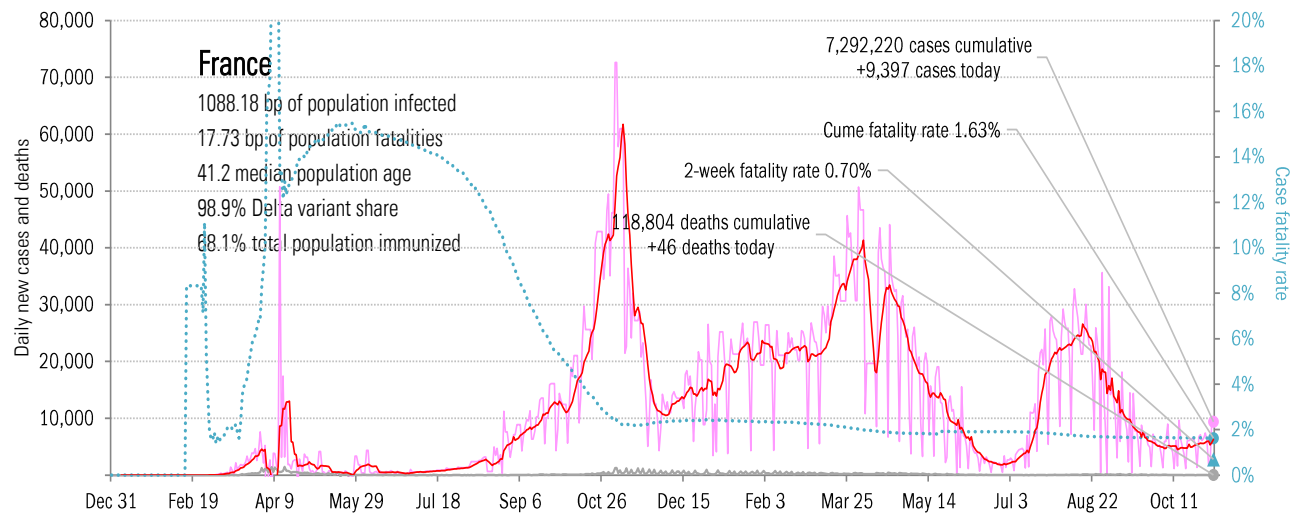
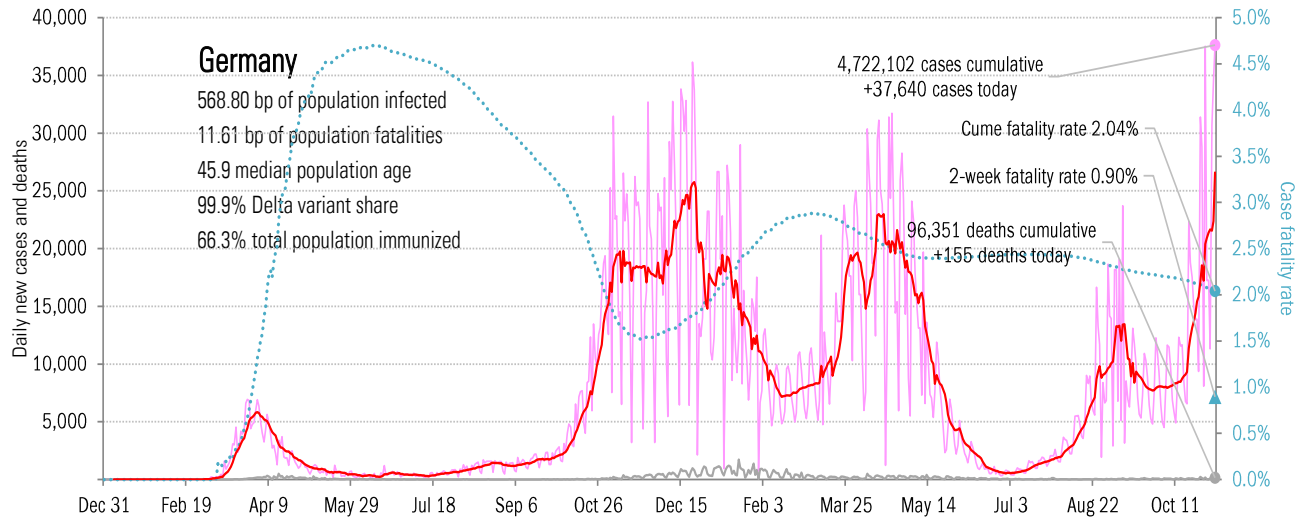
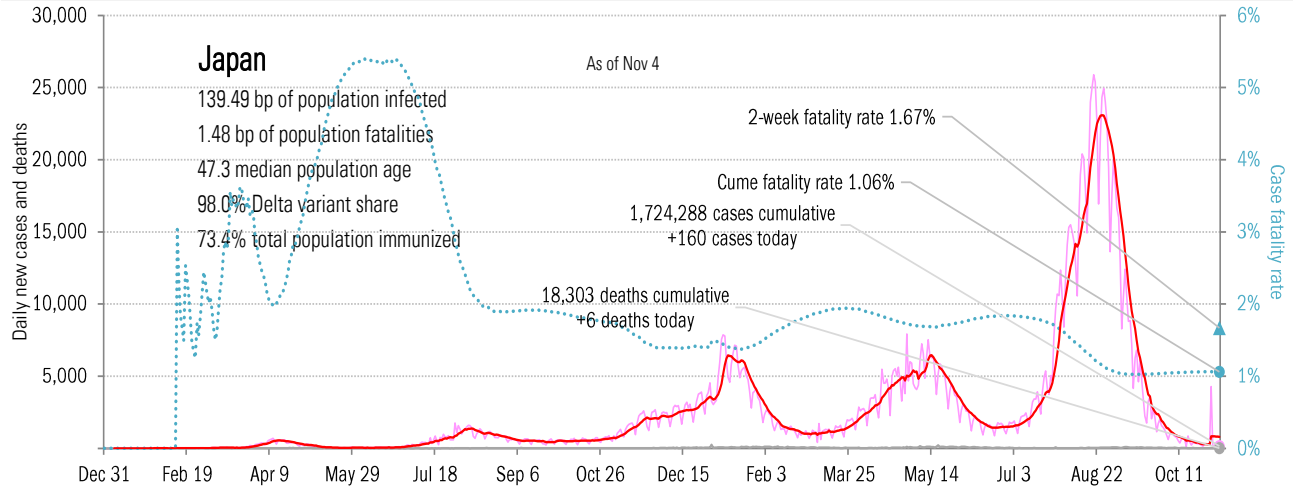
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

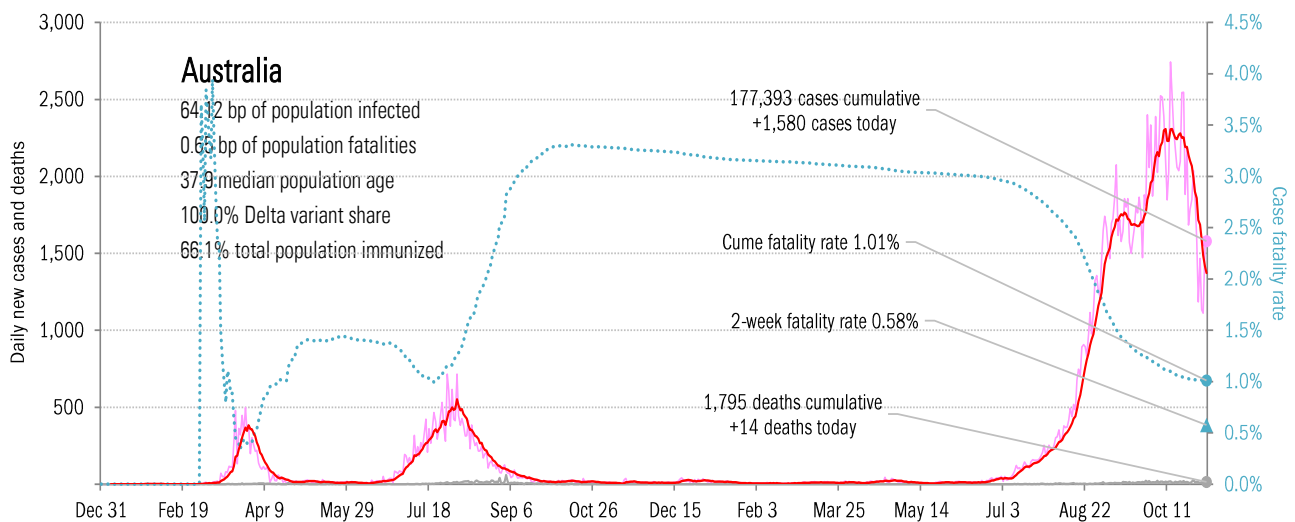
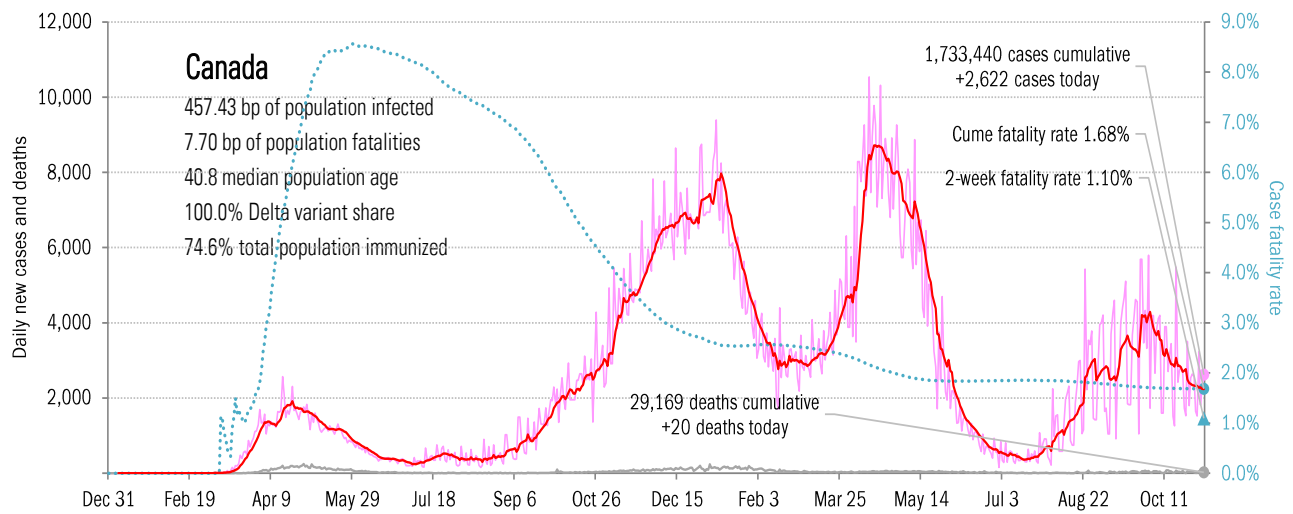
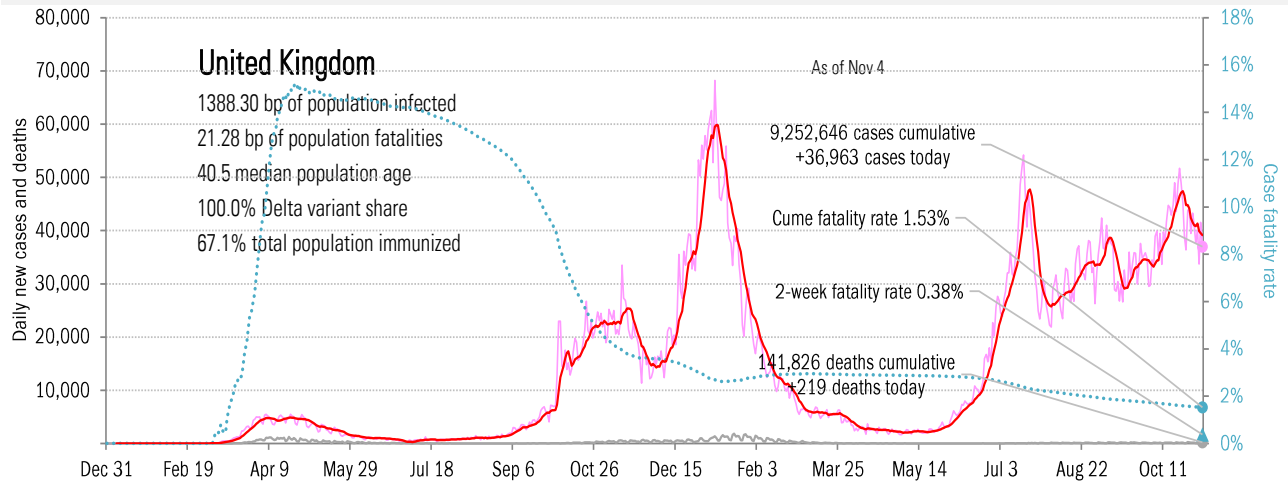
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

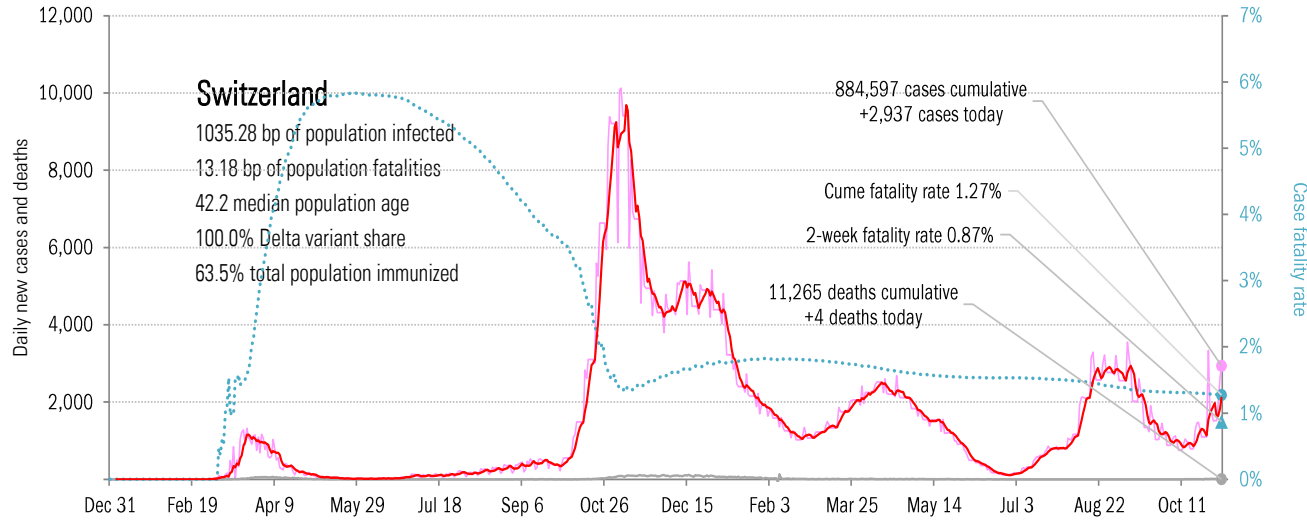
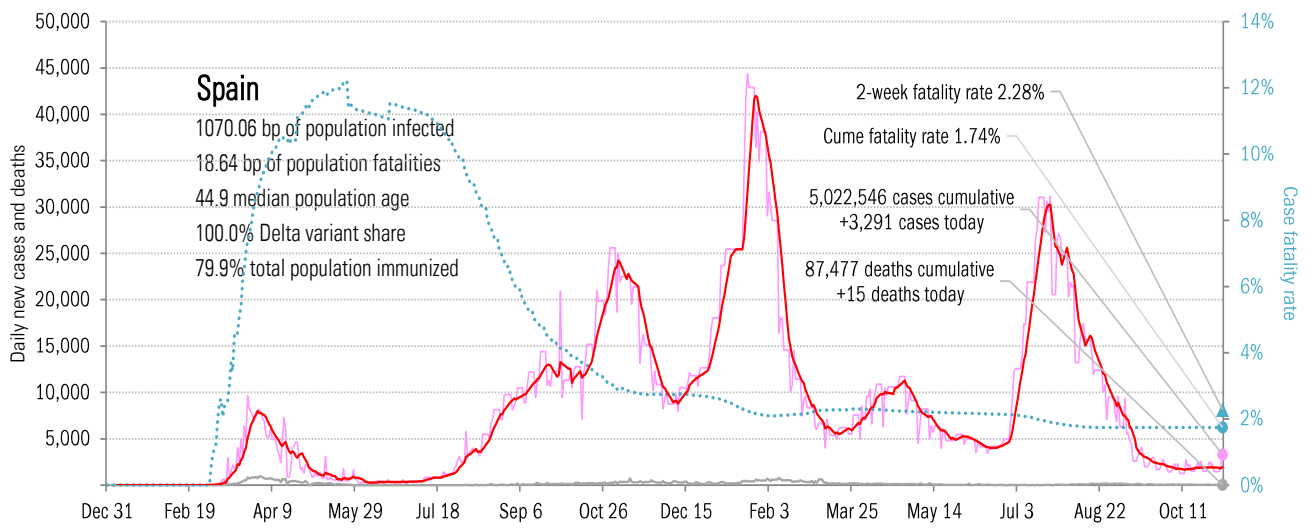
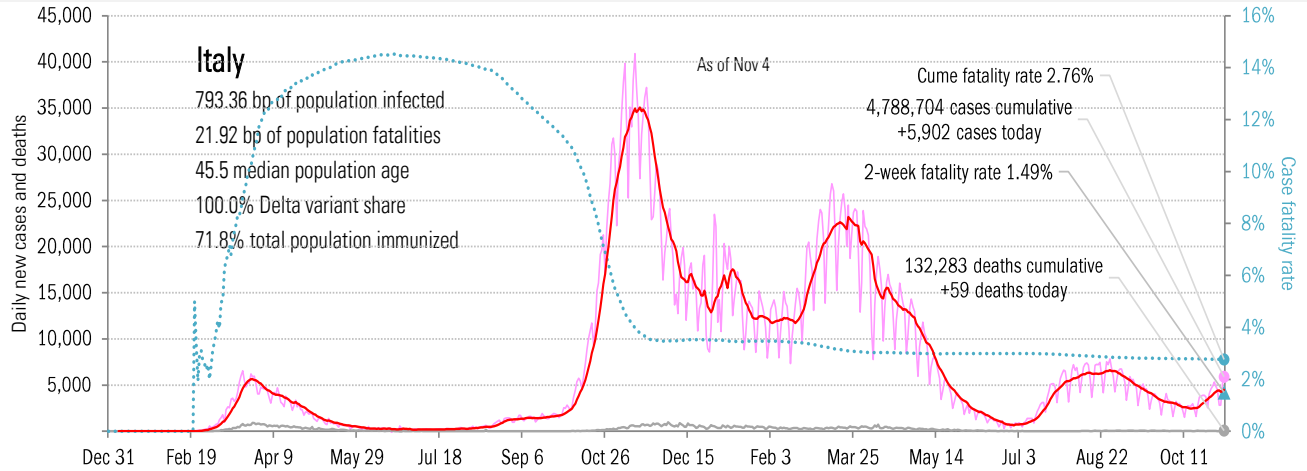


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

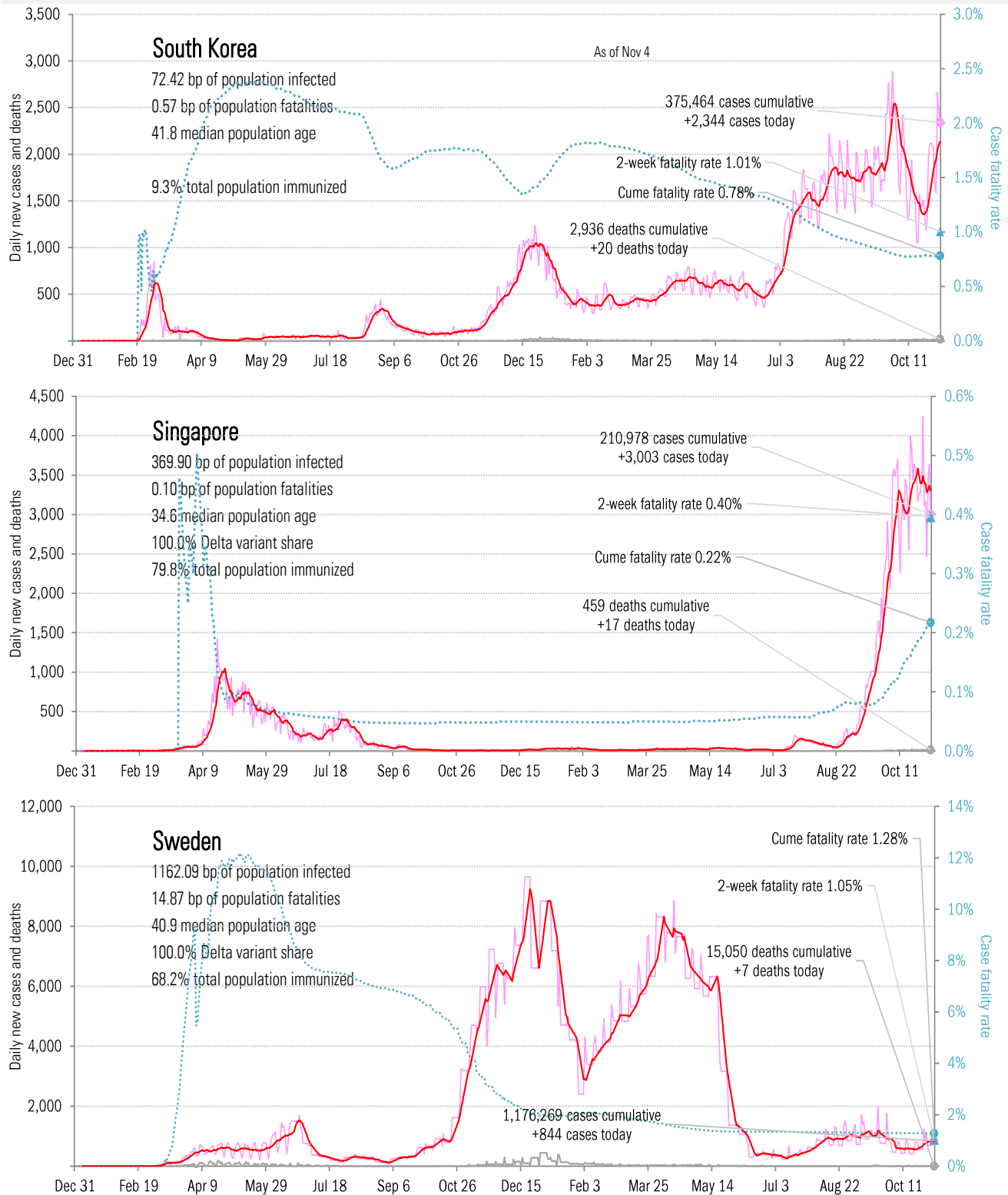
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

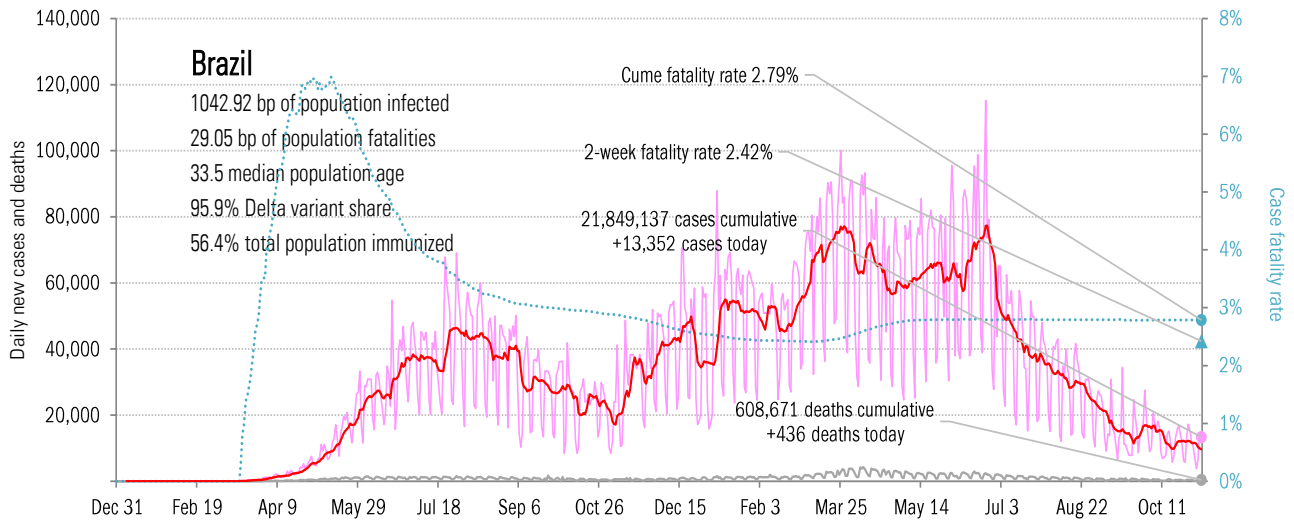
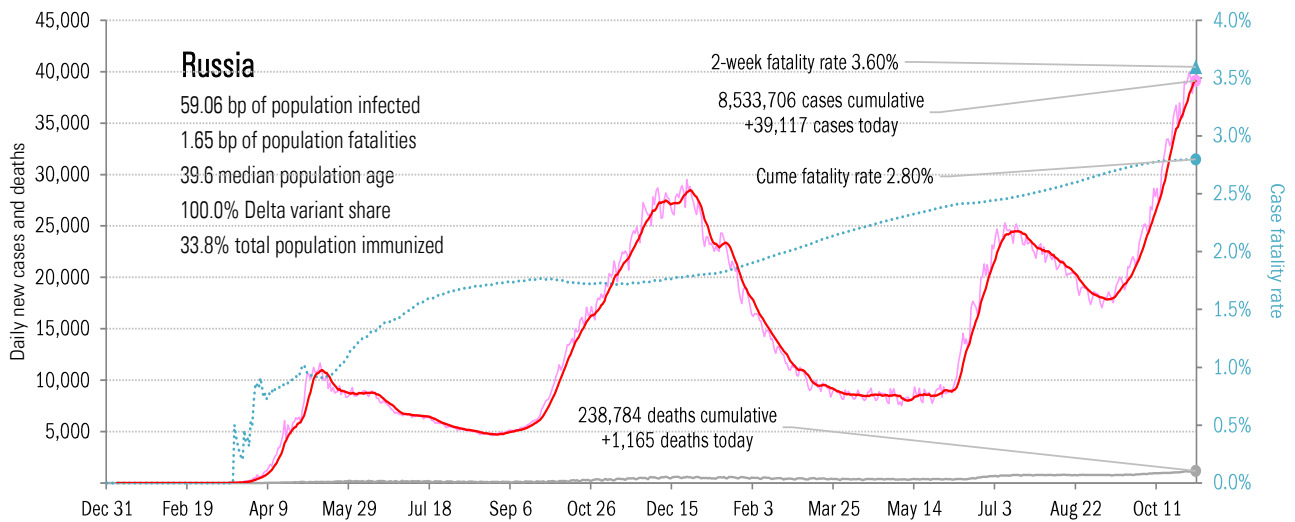
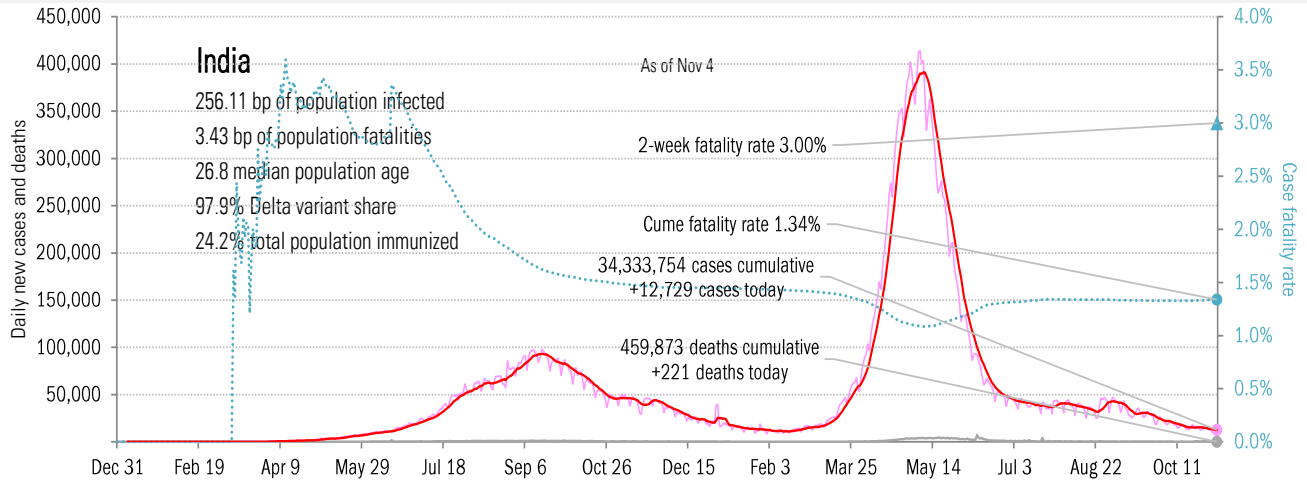
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

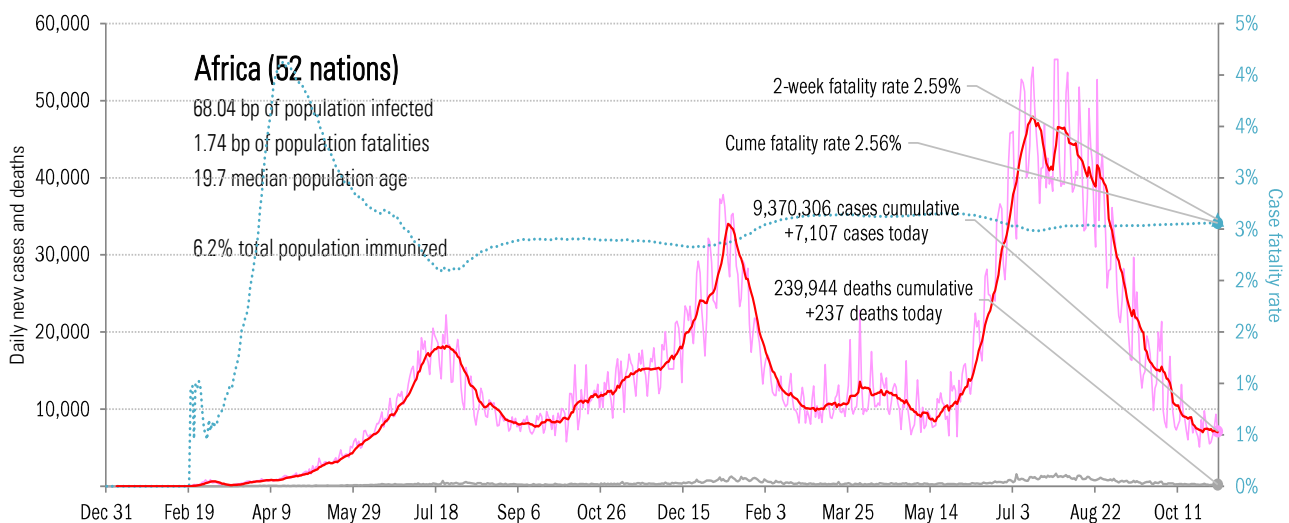
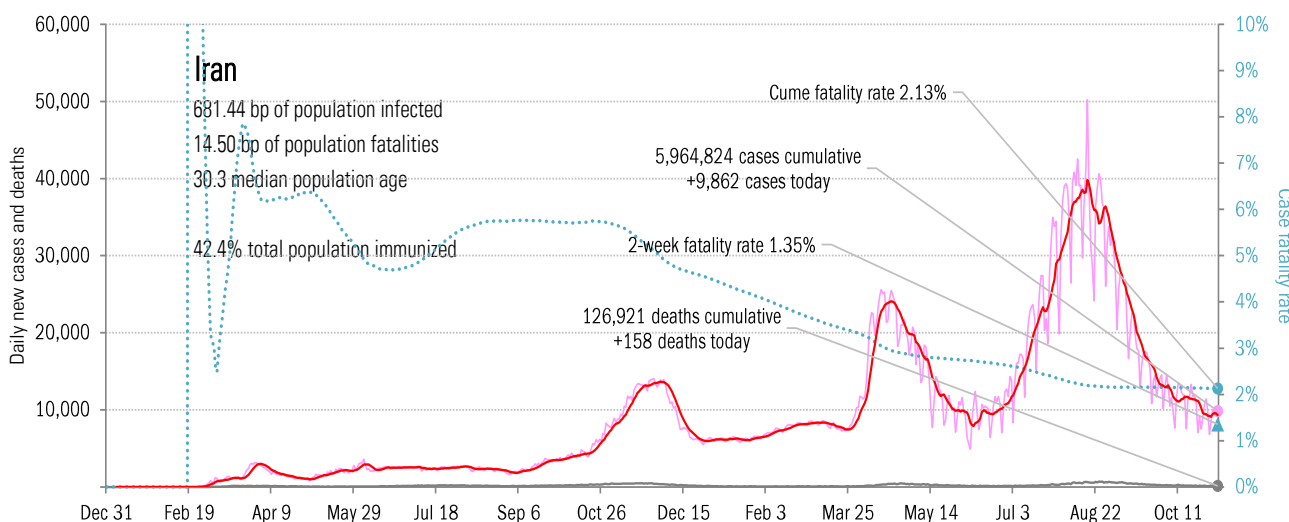
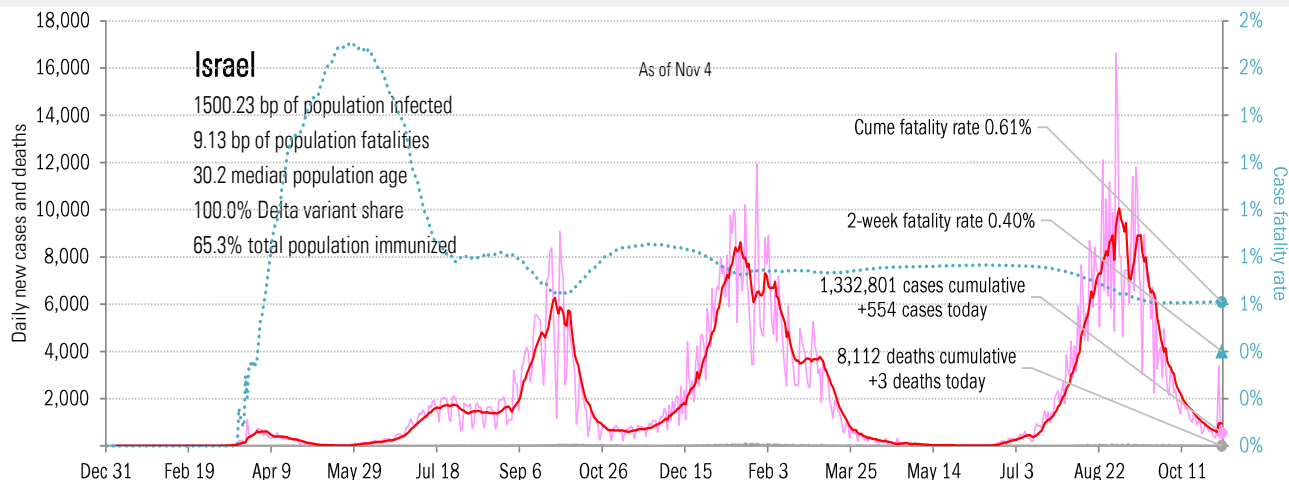
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

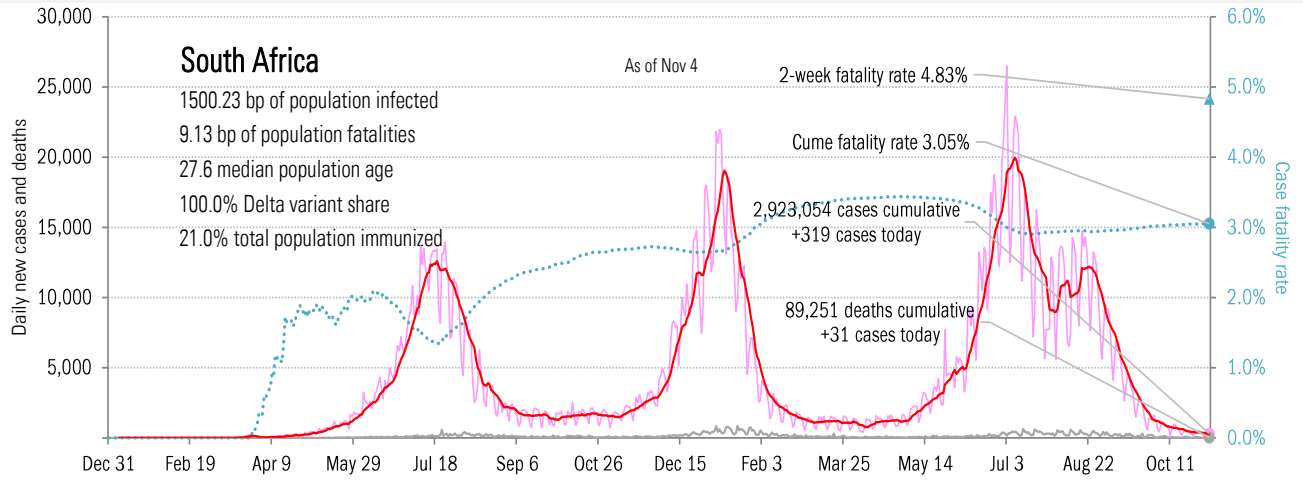
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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