

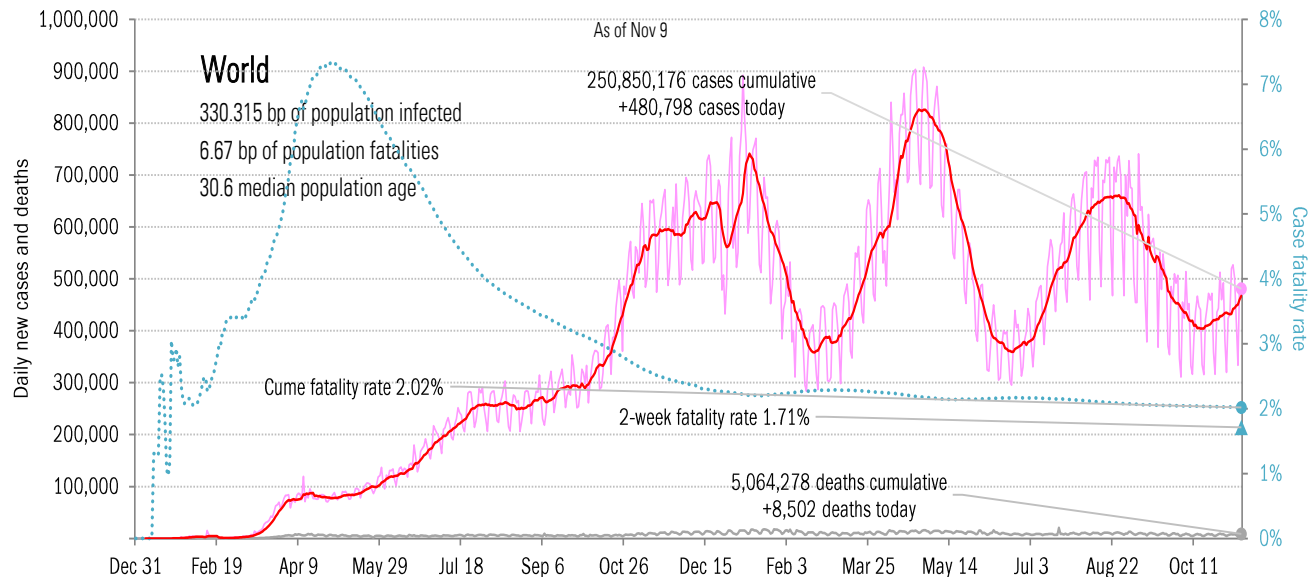
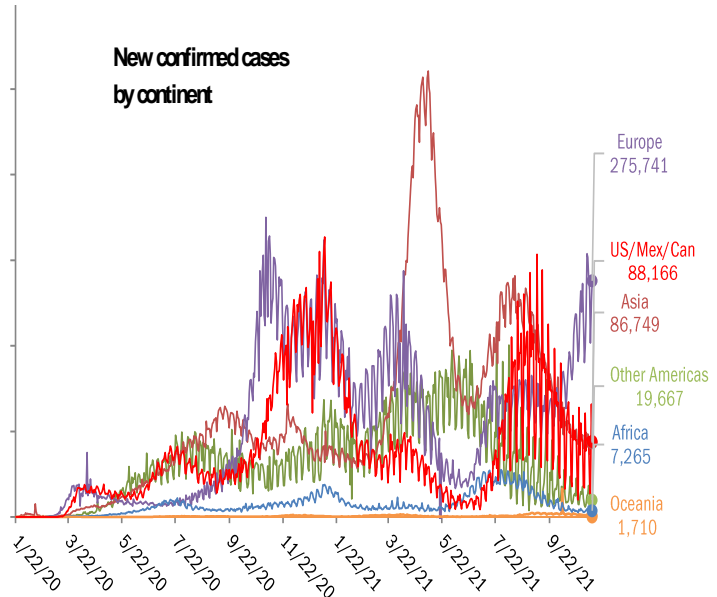
## Data Insights: Covid-2019 Monitor

Wednesday, November 10, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+81,329	United States	+1,769
Germany	+41,286	Russia	+1,183
Russia	+37,999	Ukraine	+861
United Kingdom	+32,899	Romania	+487
Turkey	+28,662	India	+460
Ukraine	+20,149	Mexico	+376
Poland	+13,645	United Kingdom	+263
France	+12,565	Germany	+237
India	+11,466	Poland	+220
Netherlands	+11,293	Turkey	+196
<b>+291,293</b>		<b>+6,052</b>	
World	+480,798	World	+8,502
Top ten	61%	Top ten	71%



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

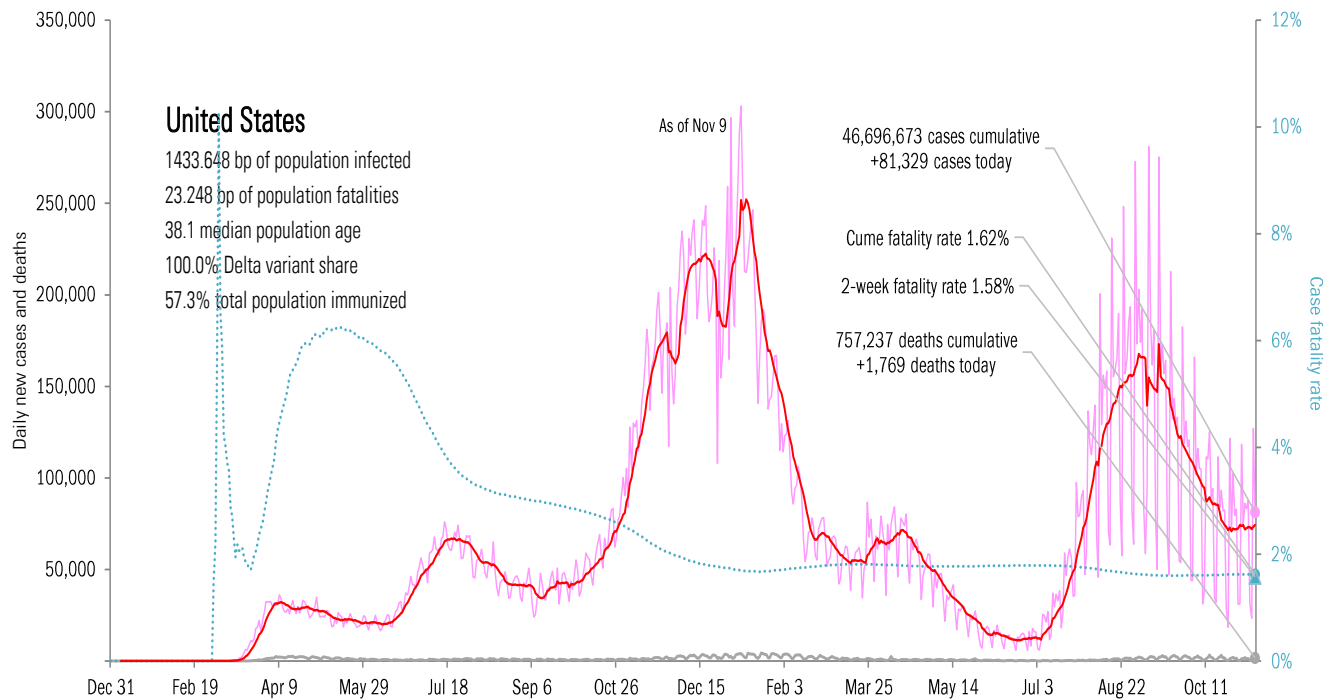
## The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MN	+7,165		CH	+215		MI	+69		CA	4,980,905		CA	72,699		TX	377,031		RI	85%	NM	89%
TX	+5,211		GA	+164		GA	+40		TX	4,269,229		TX	72,111		FL	320,007		MA	83%	NE	86%
CH	+4,952		FL	+107		KS	+16		FL	3,704,872		FL	60,346		CA	313,403		PA	83%	R	86%
CA	+4,361		TX	+102		IL	+14		NY	2,598,730		NY	56,793		NY	165,606		MI	83%	MI	83%
NY	+4,215		TN	+93		SD	+14		IL	1,722,590		PA	31,992		GA	160,675		GA	82%	CO	83%
PA	+4,021		MO	+83		IA	+12		GA	1,643,945		GA	29,647		CH	125,864		MN	81%	TX	82%
WI	+3,914		AZ	+77		AZ	+9		PA	1,601,086		IL	28,441		PA	118,969		MD	80%	CK	82%
TN	+3,409		PA	+77		DC	+5		CH	1,580,271		NJ	28,119		KY	111,902		NV	79%	AL	82%
IA	+3,241		IN	+60		CT	+4		NC	1,495,521		CH	25,282		IL	105,919		NY	79%	DE	82%
AZ	+3,118		CA	+55		DE	+4		MI	1,319,724		MI	24,027		MI	93,944		WV	77%	ID	82%
+43,607			+1,033			+187			24,916,873			429,457			1,893,320						
All states	+81,329		+1,769			-536			All states	46,696,673		757,237			3,389,635			All states	70%	67%	
Top ten	54%		58%			-35%			Top ten	53%		57%			56%			Median	74%	77%	

Some states not reporting

## Five most improved US states

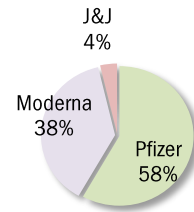
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-11,473	CO	-71	KY	-71	DE	+30 bp
MI	-10,069	CA	-64	TX	-70	UT	+30 bp
CO	-5,778	SC	-53	NC	-66	GA	+20 bp
IL	-5,114	MI	-52	CA	-43	IA	+20 bp
WA	-3,776	NC	-47	NY	-43	ME	+20 bp



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

# Rolling out the vaccines in the US and the world

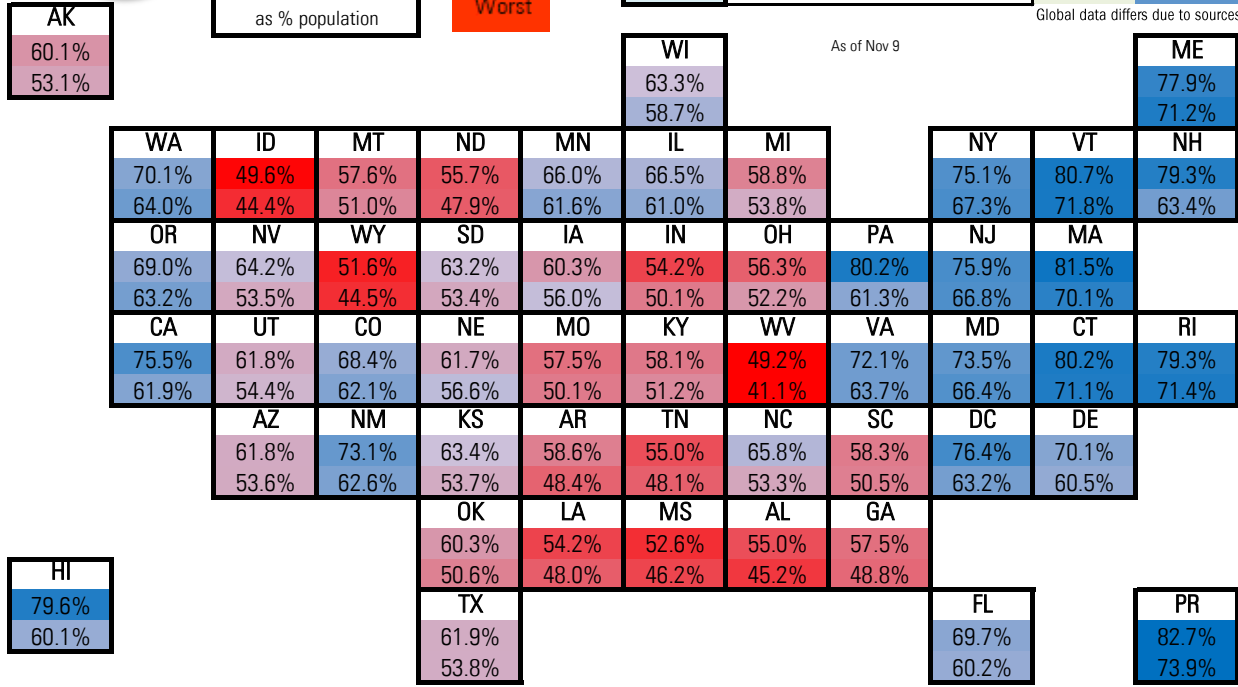
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	445,195,115		+1.053 million	US	57.3%	66.7%
Boosters	25,798,041		+0.576 million	UK	67.3%	73.7%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	229,968,295	69%	199,195,945	60%	+0.169 million	France 68.4% 76.1%
Age 12 to 17	14,312,635	60%	12,033,945	51%	+0.016 million	Spain 80.0% 81.5%
Age 18 to 64	158,627,276	78%	137,647,525	68%	+0.130 million	Germany 66.6% 69.1%
Age 65 and over	55,667,886	100%	48,584,911	89%	+0.023 million	Italy 72.2% 77.5%
						Australia 67.8% 75.1%
						Israel 61.9% 67.3%
						Canada 75.0% 78.7%
						Japan 74.7% 78.5%
						Africa 6.3% 9.3%
						India 25.0% 53.4%
						Brazil 57.6% 75.1%
						China 74.3% 80.0%



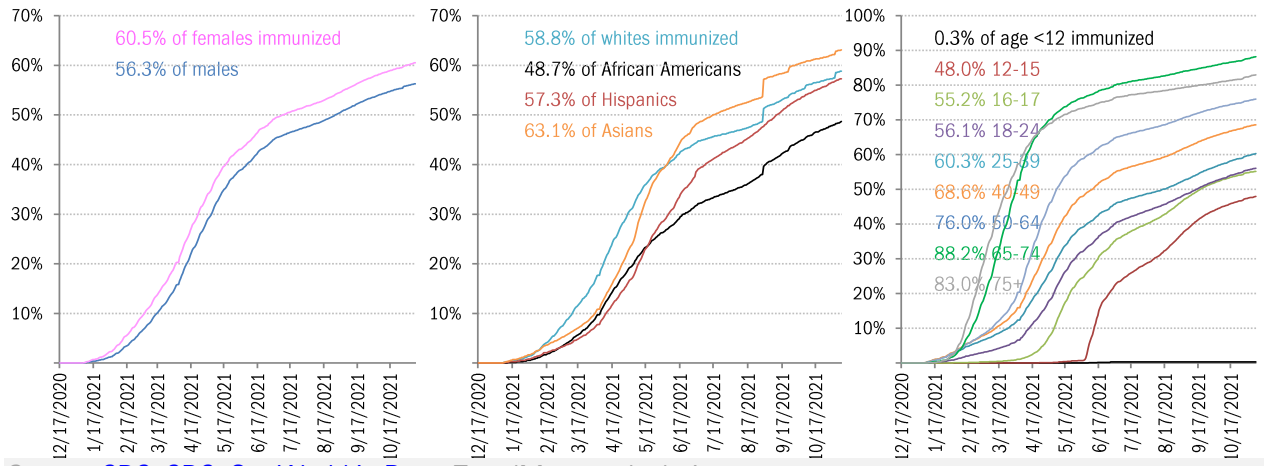
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

Every American >18 immunized in **183 days** by May 10, 2022  
 72.1% of population >18 immunized  
 16.6% previously tested positive  
**88.8%** vs 60% adult herd immunity

Global data differs due to sources, timing



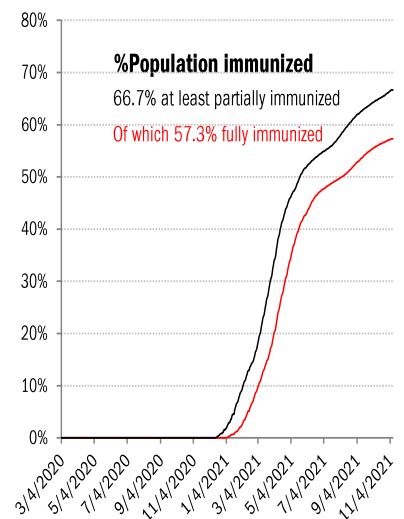
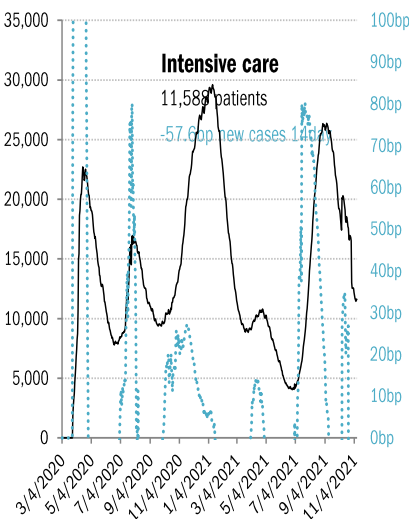
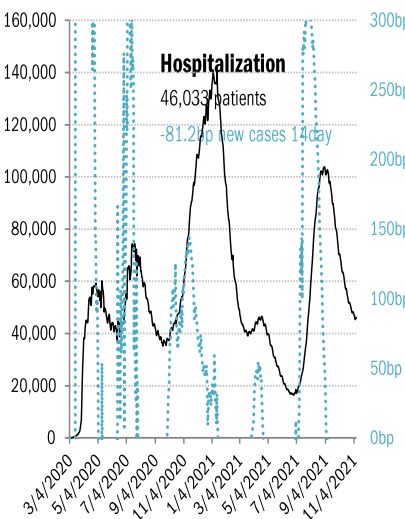
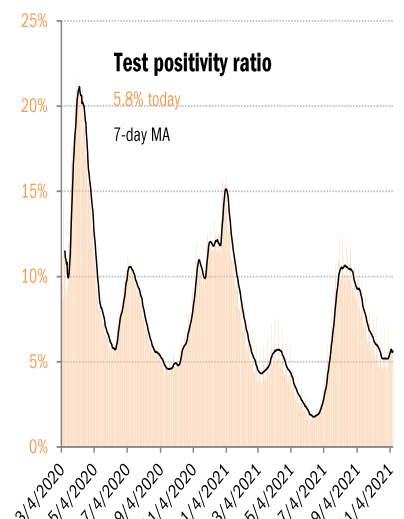
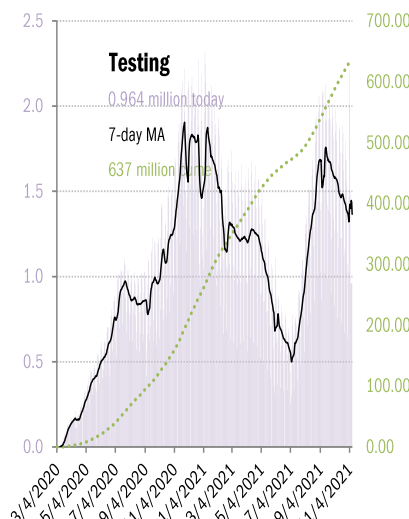
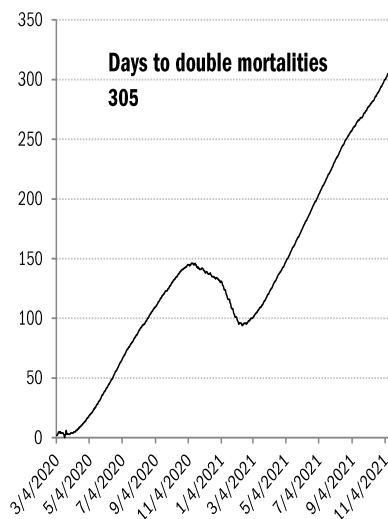
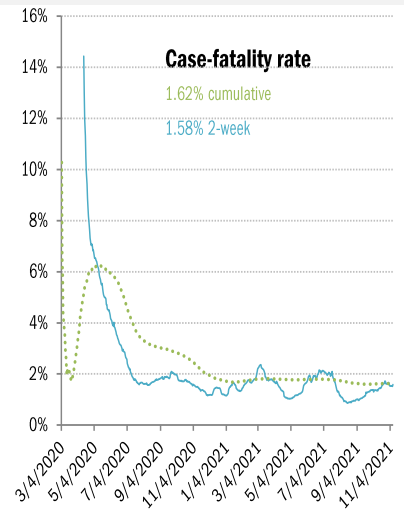
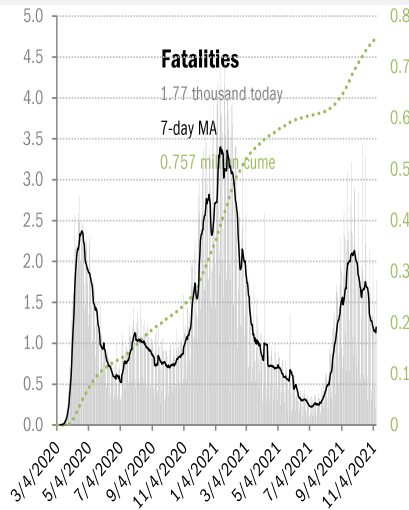
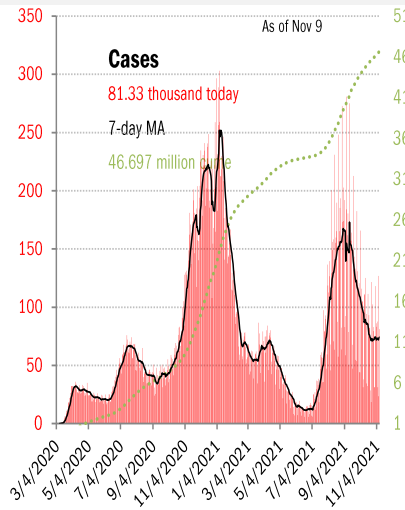
## The demographics of US vaccination



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

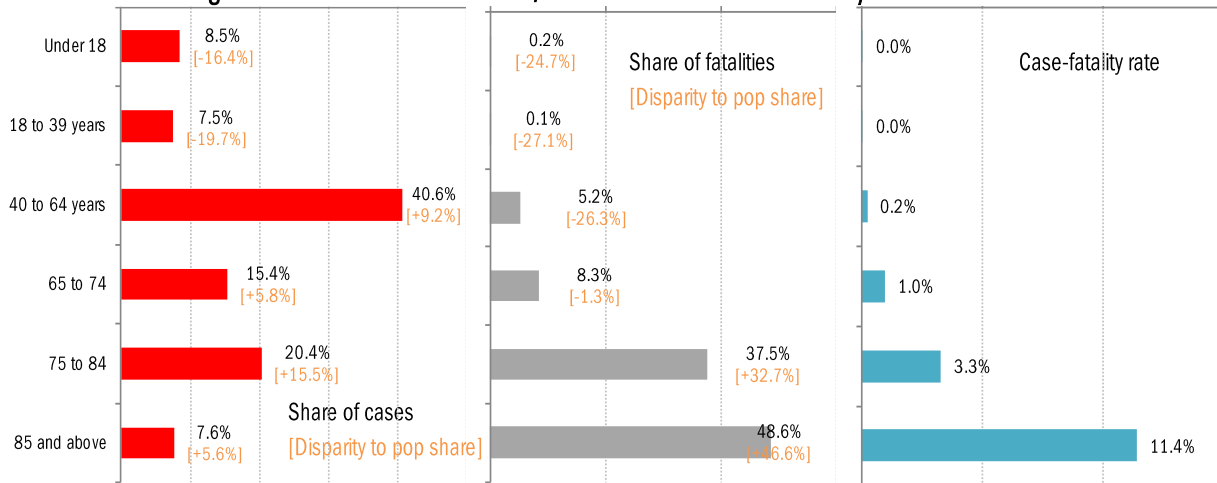
# US deep-dive

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

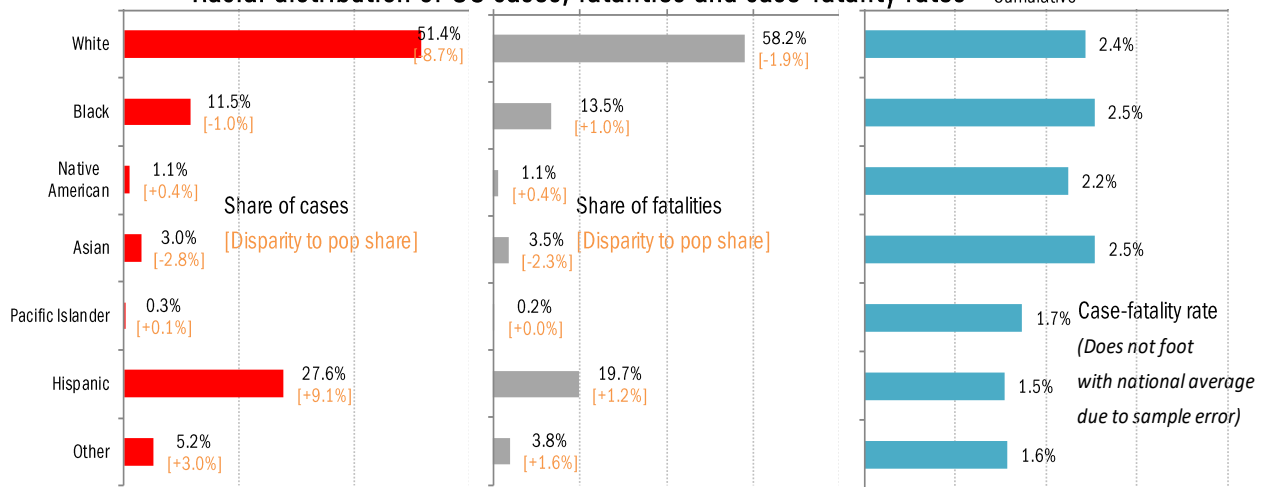


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

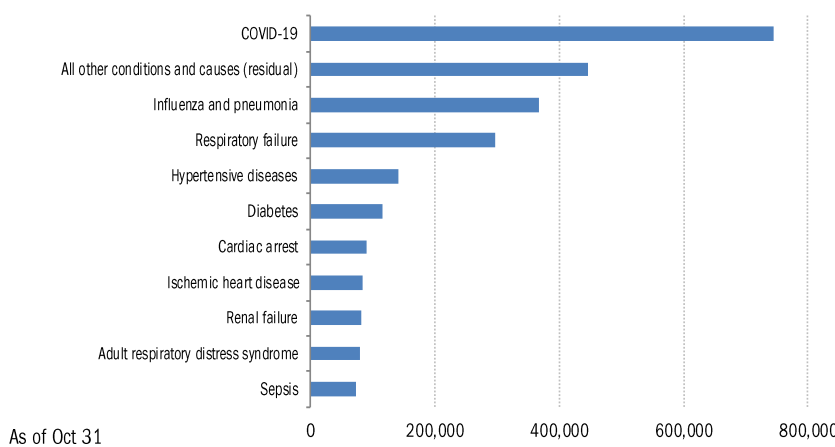


Racial distribution of US cases, fatalities and case-fatality rates



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

### [Forced Covid Vaccination for Kids Is Unlawful](#)

Jenin Younes  
*Wall Street Journal*  
November 9, 2021

### [Moderna and U.S. at Odds Over Vaccine Patent Rights](#)

Sheryl Gay Stolberg and Rebecca Robbins  
*New York Times*  
November 9, 2021

### [How Sweden swerved Covid disaster](#)

Johan Anderberg  
*UnHerd*  
November 8, 2021

### [Jen Psaki Also Hasn't Been Seen in Public for Eleven Days Since Revealing She Got Covid, Despite Being 'Fully Vaccinated'](#)

Kyle Becker  
*Becker News*  
November 7, 2021

### [New phase 3 analyses show that a single dose of REGEN-COV \(casirivimab and imdevimab\) provides long-term protection against covid-19](#)

*Regeneron*  
November 8, 2021

### [With Tears, Hugs and Balloons, U.S. Allows Vaccinated Foreign Travelers to Enter](#)

Ceylan Yeginsu, Heather Murphy and Concepción de León  
*New York Times*  
November 8, 2021

## Meme of the day

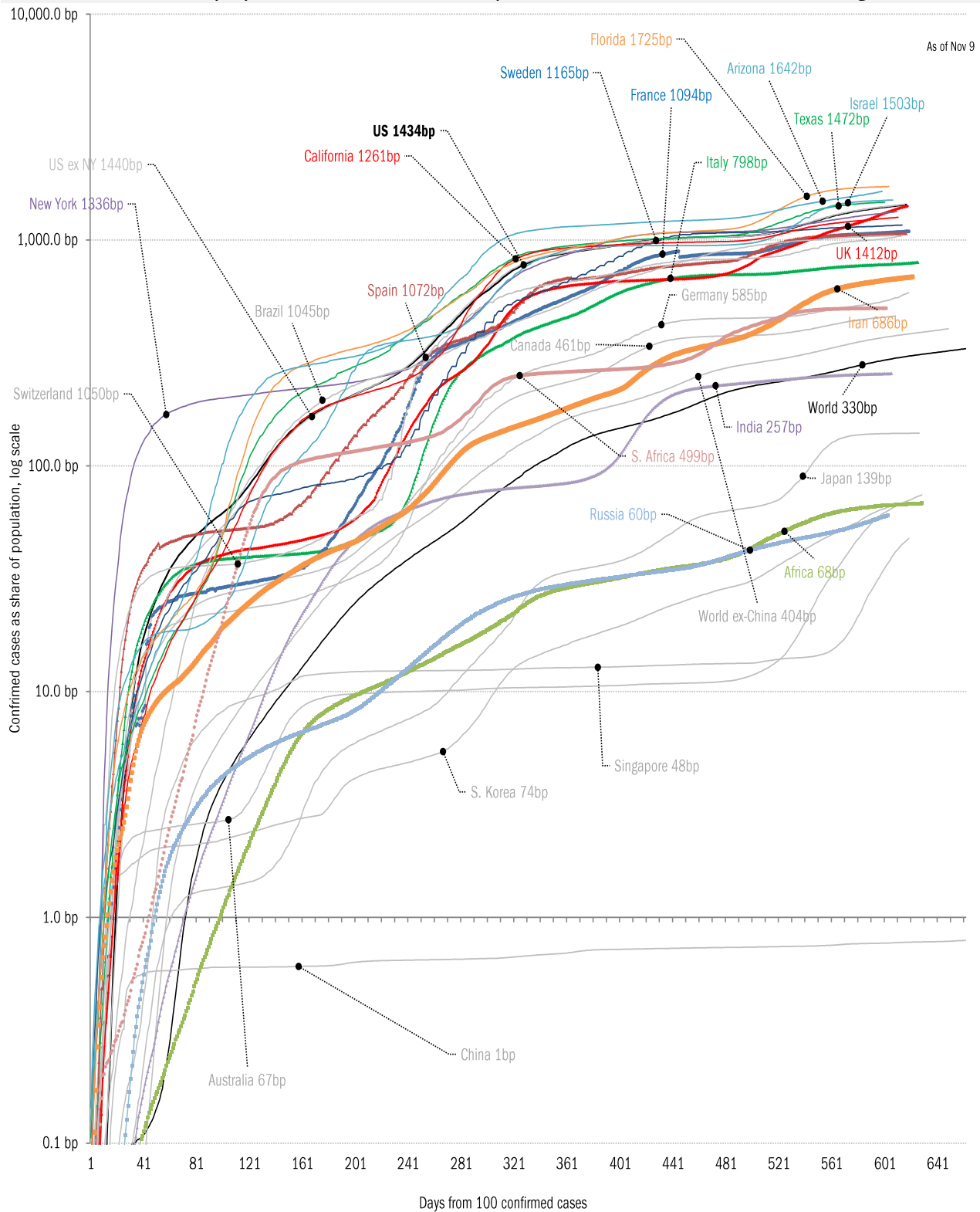


### Oscar The Grouch Refuses The Vaccine, Stocks Up On Ivermectin

SESAME STREET, NY—With the COVID-19 vaccine now approved for 5 to 11-year-olds, many of the residents of Sesame Street are flocking to get the vaccination, even though it has not been specifically approved for large birds, monsters, or vampires... [Read more](#)

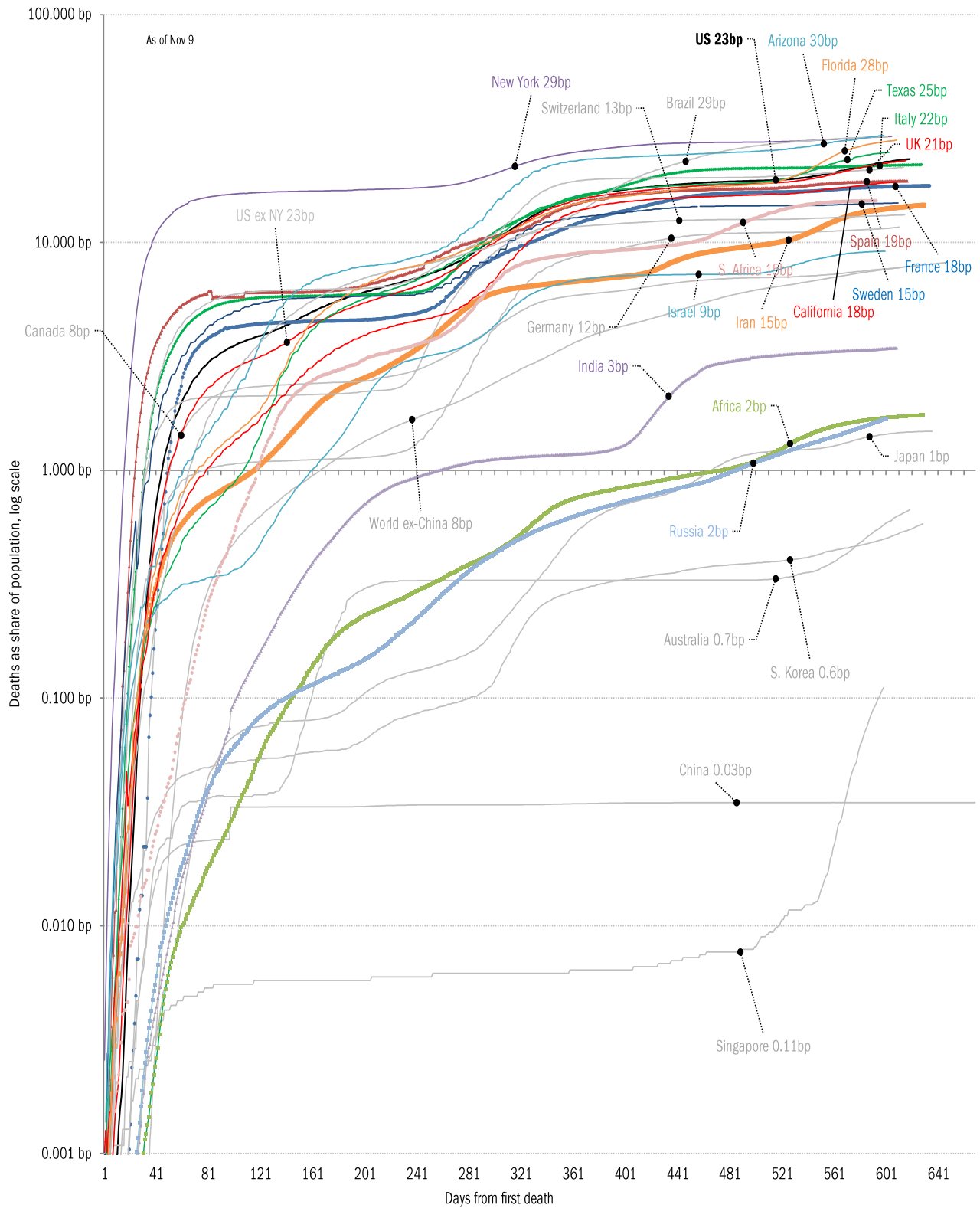
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



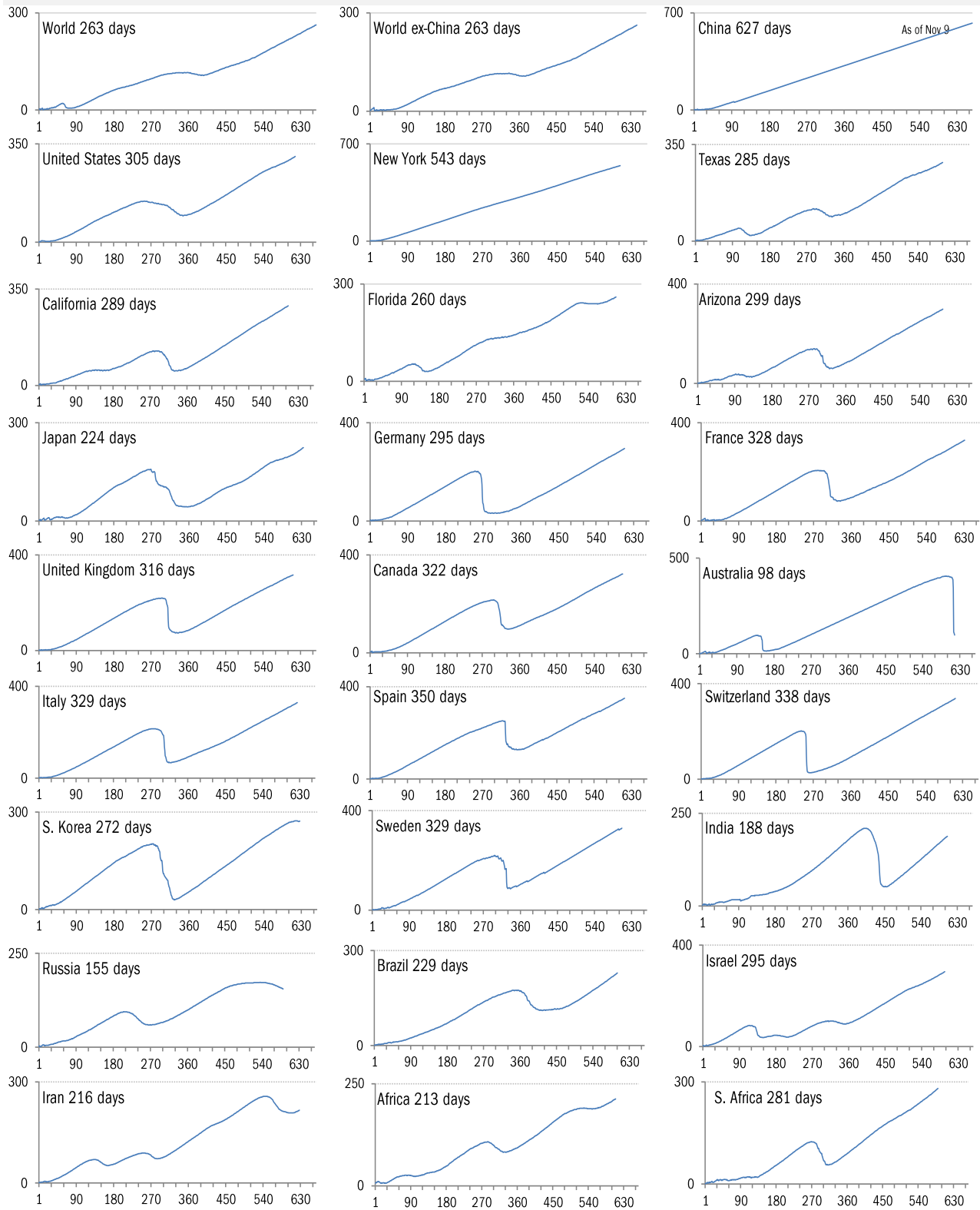
Source: [Johns Hopkins](#), TrendMacro calculations



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

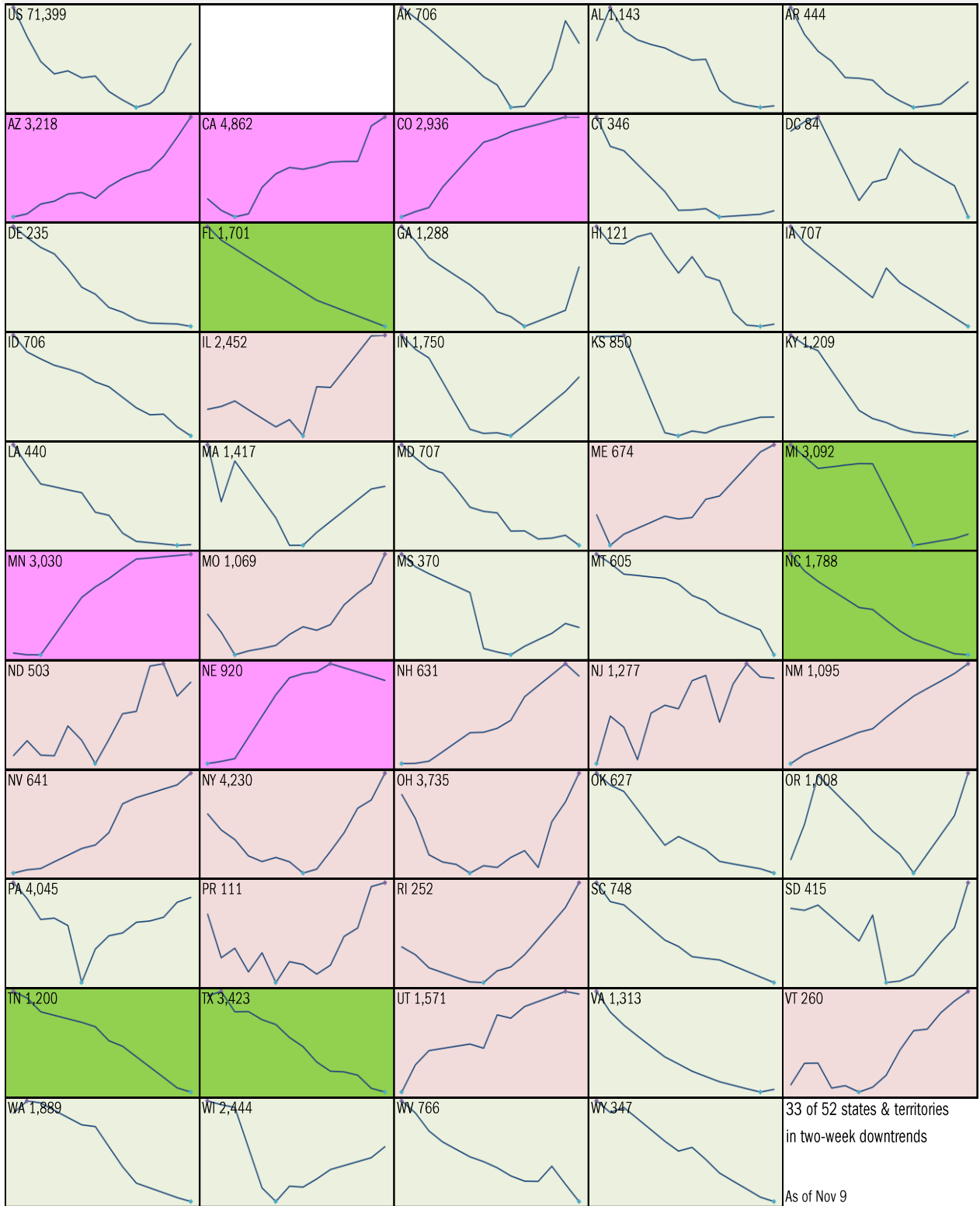
Vertical: days to double deaths Horizontal: days from first death

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

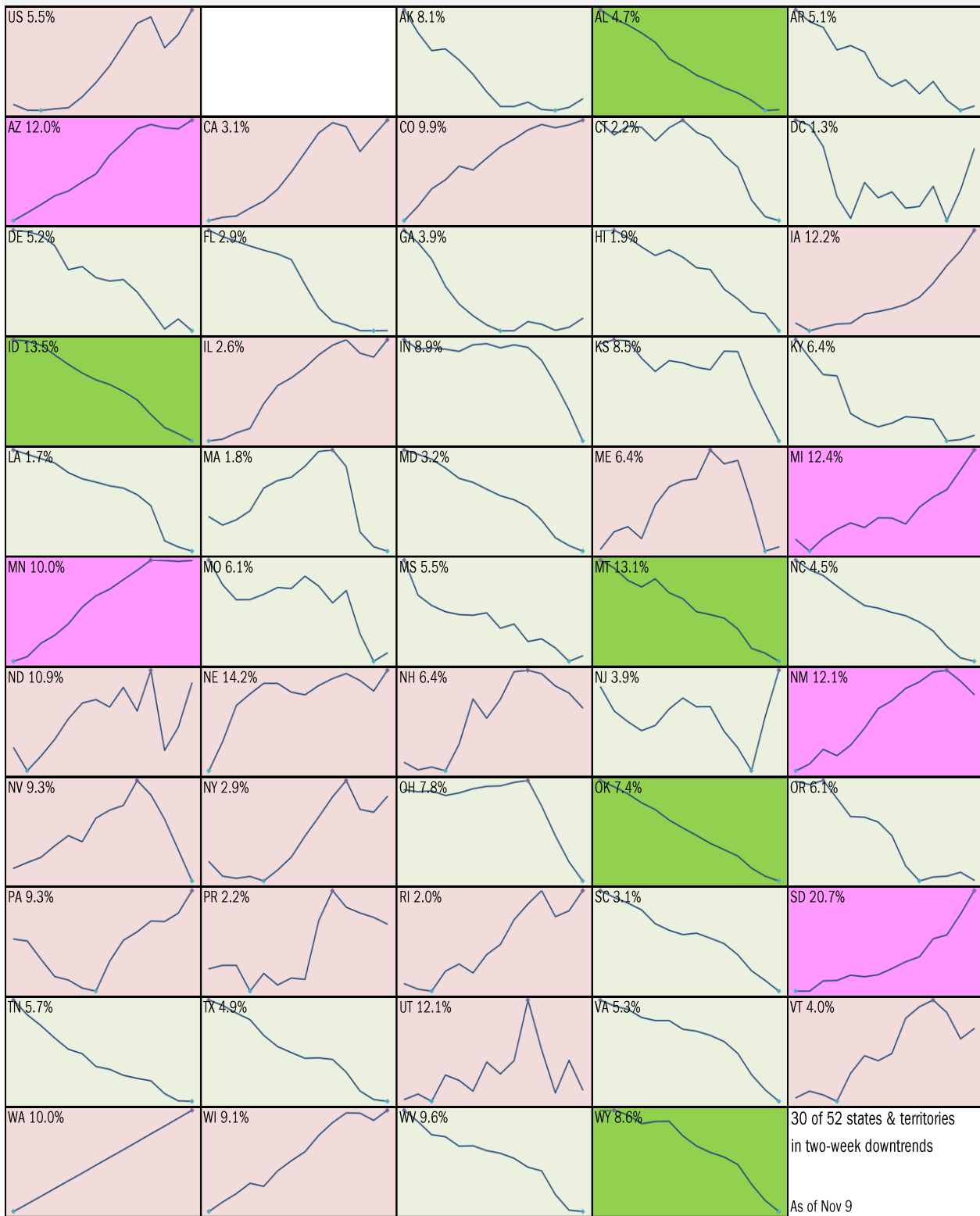


Source: [Johns Hopkins](#), TrendMacro calculations

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

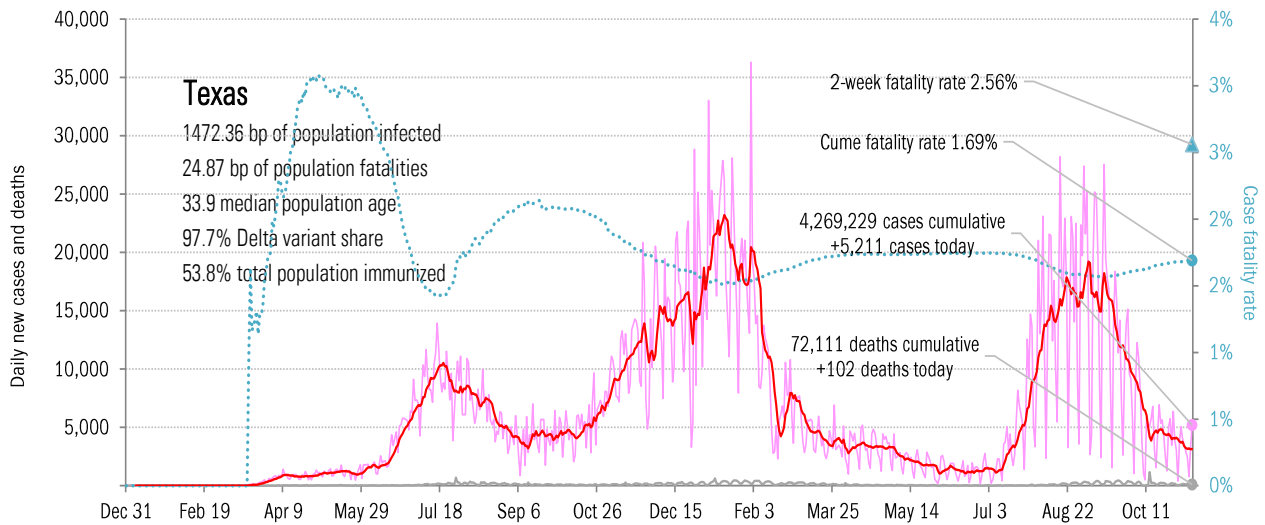
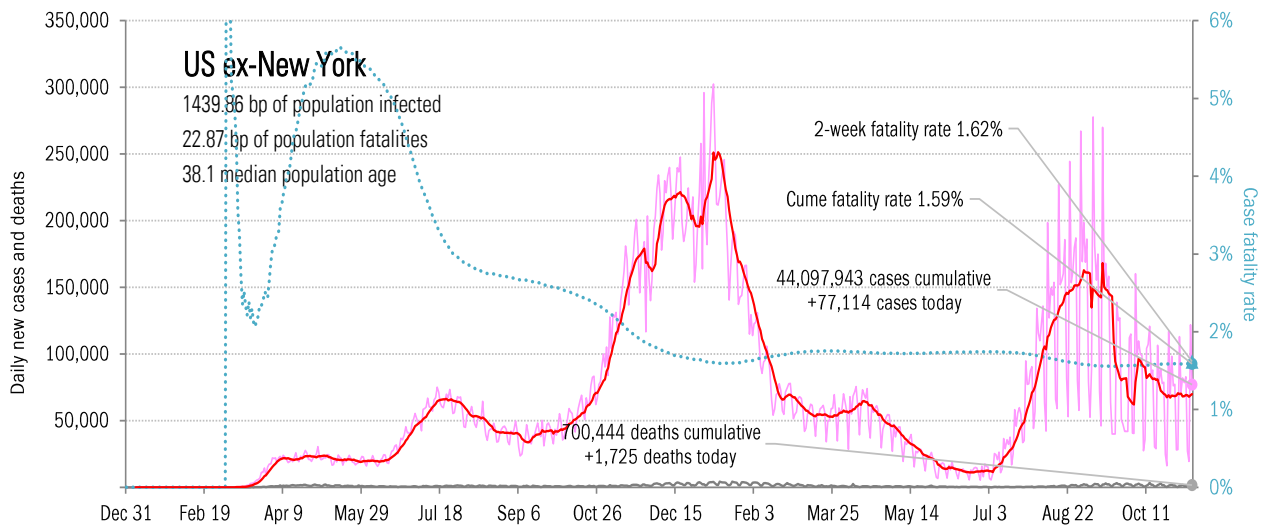
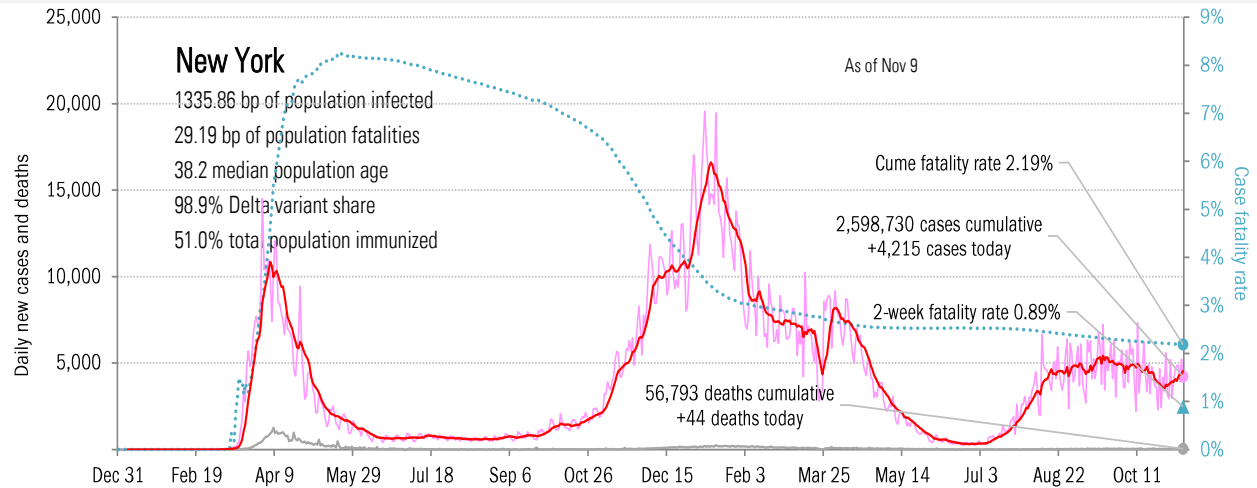
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

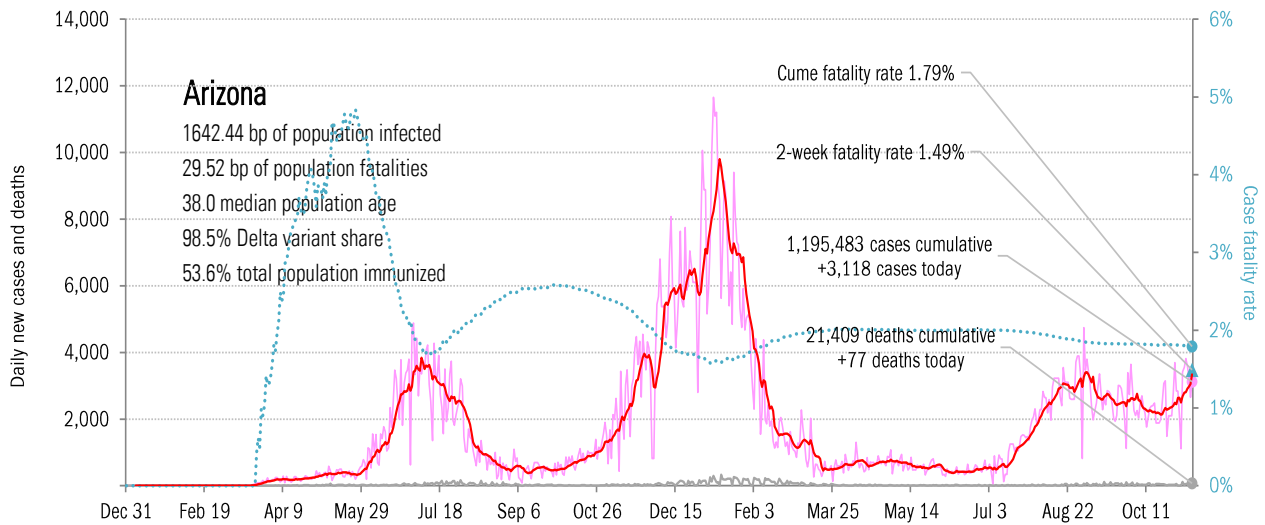
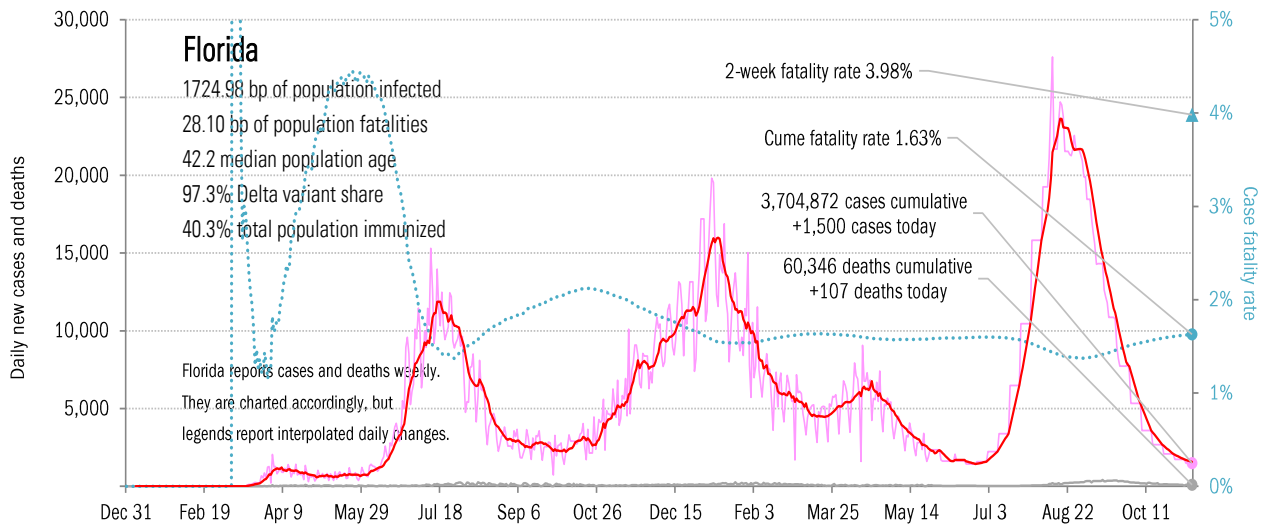
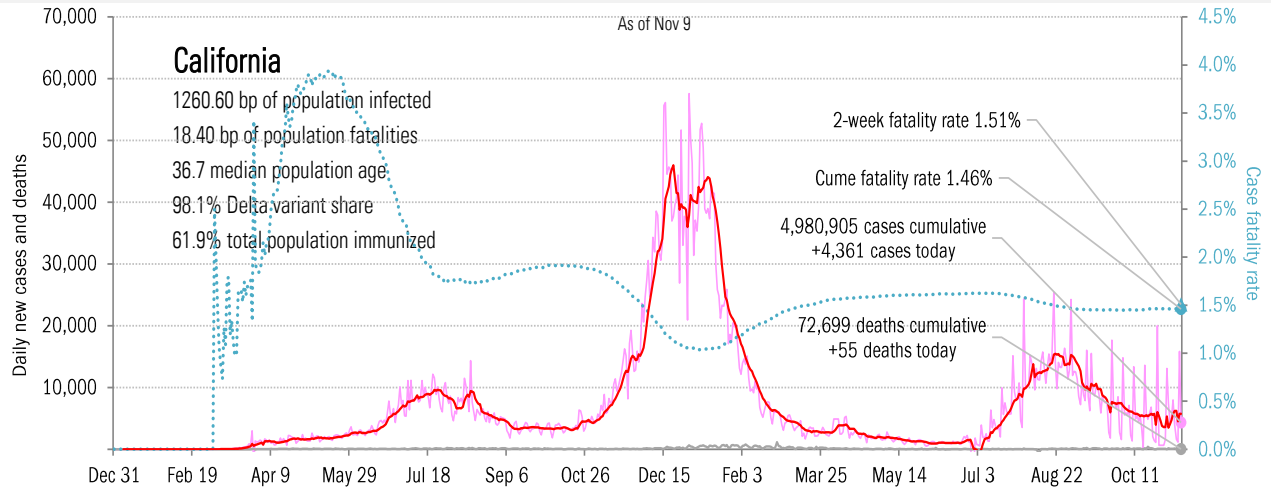
Cases: 7-day average and daily Deaths: Daily



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

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

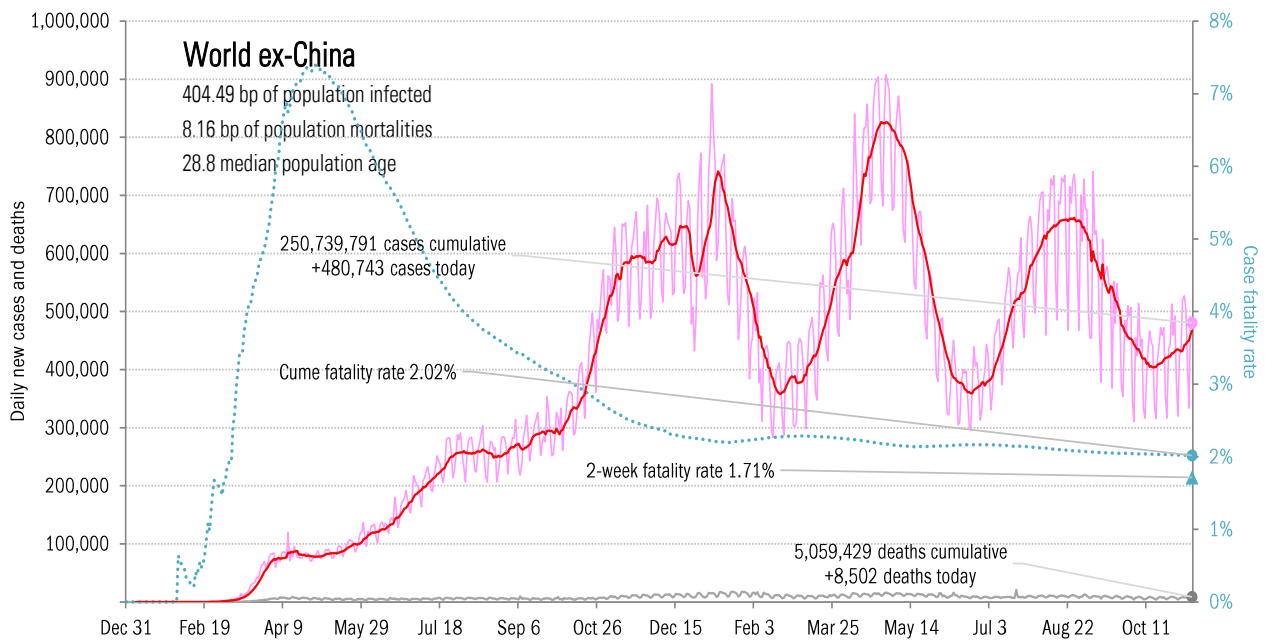
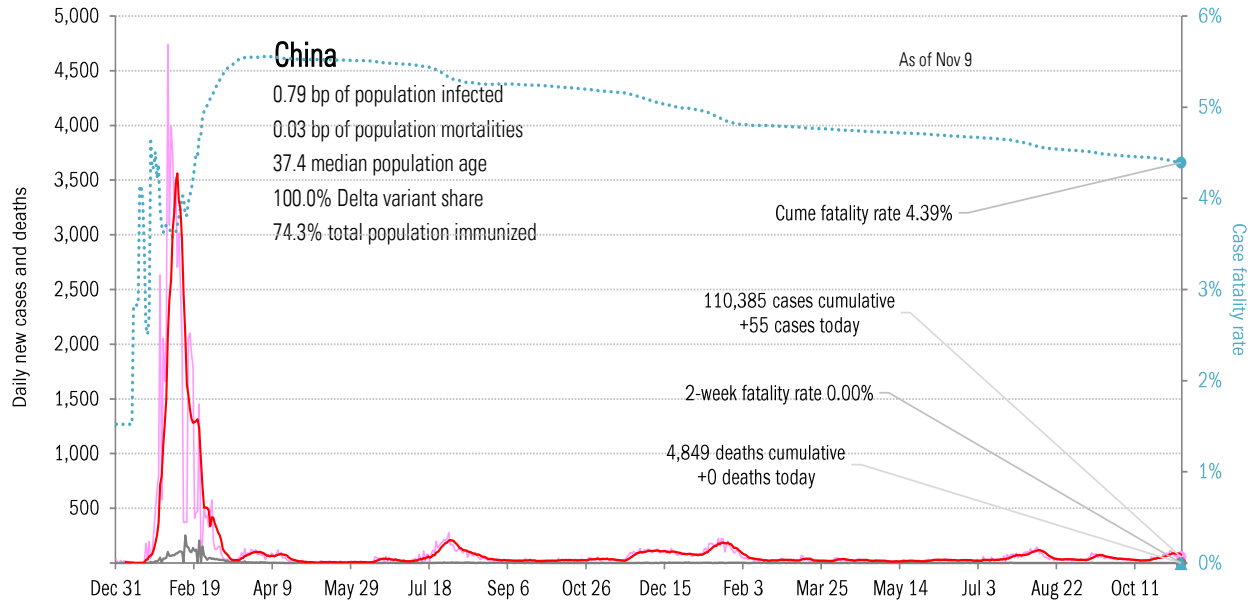
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

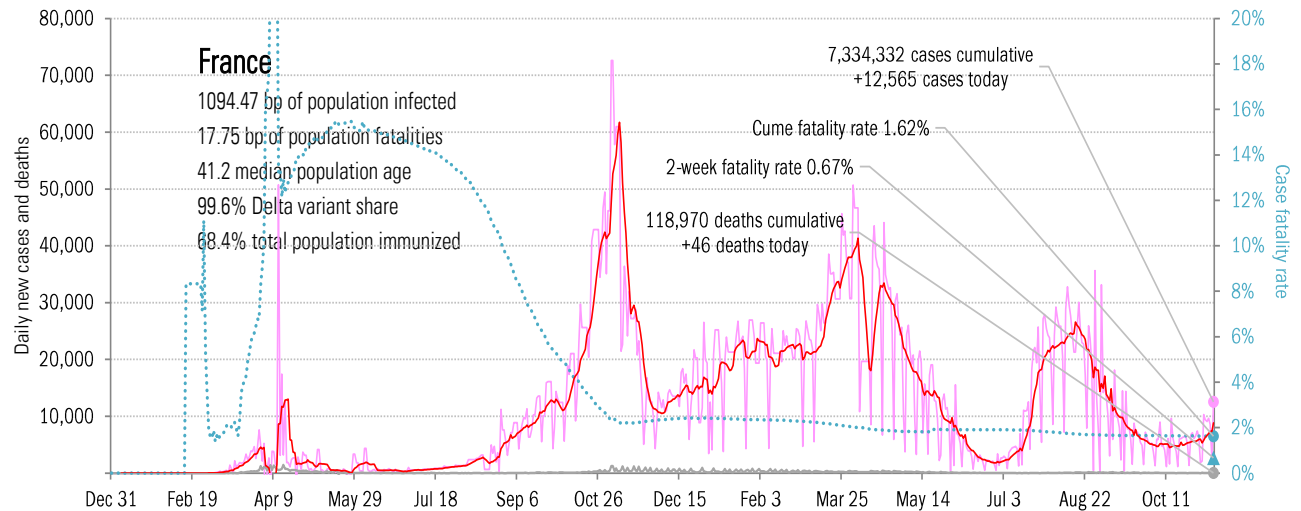
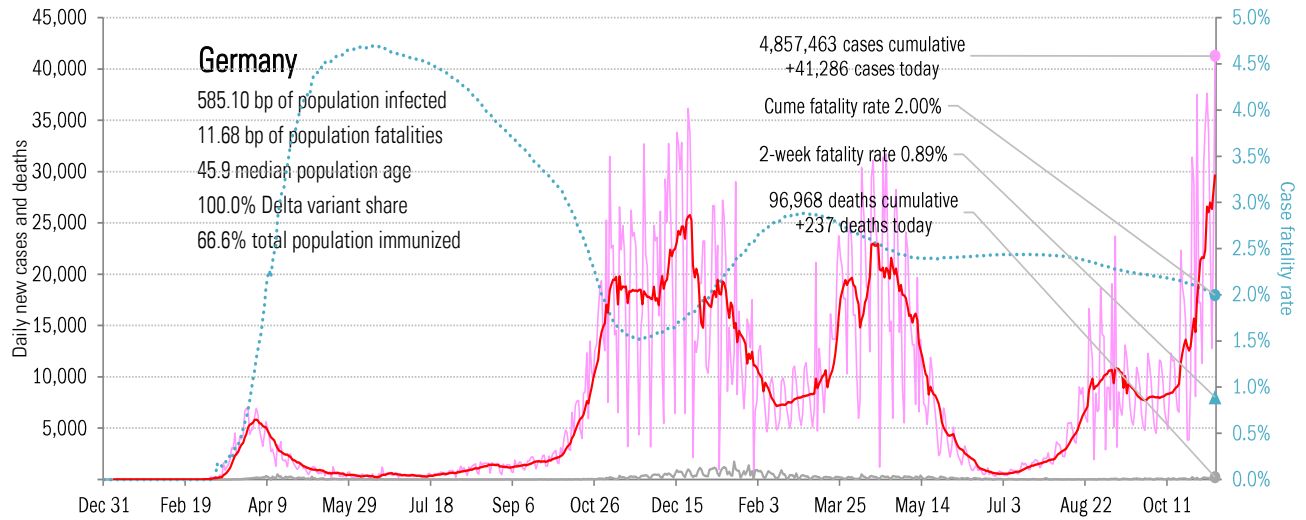
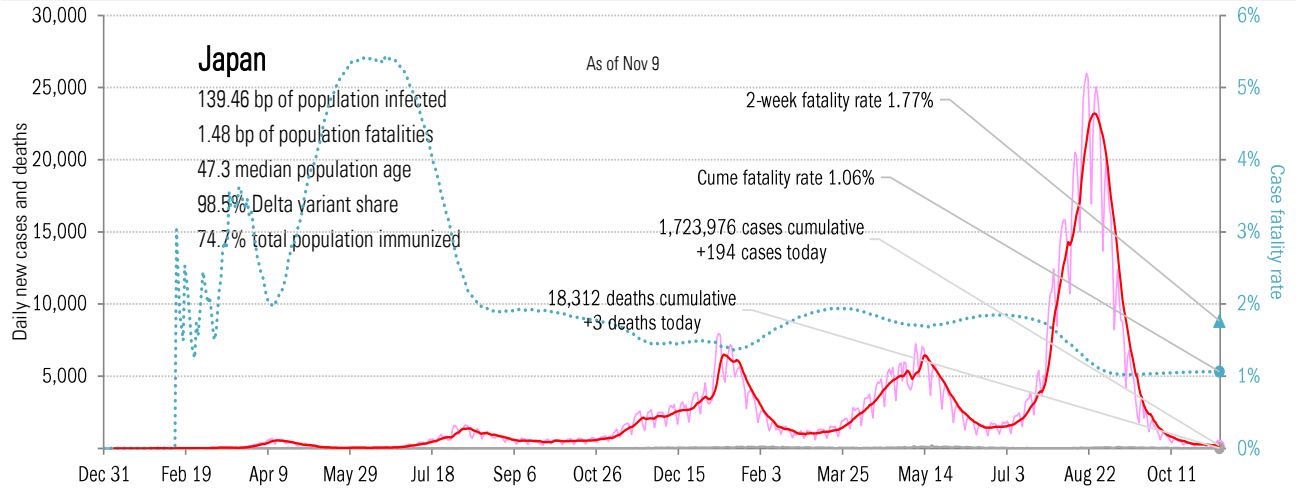
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

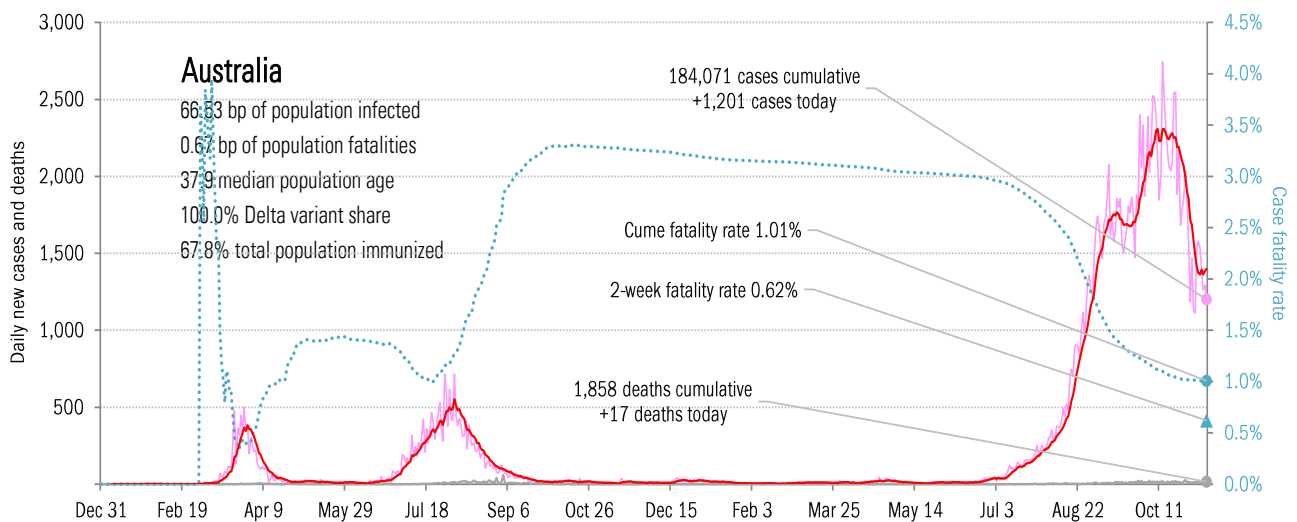
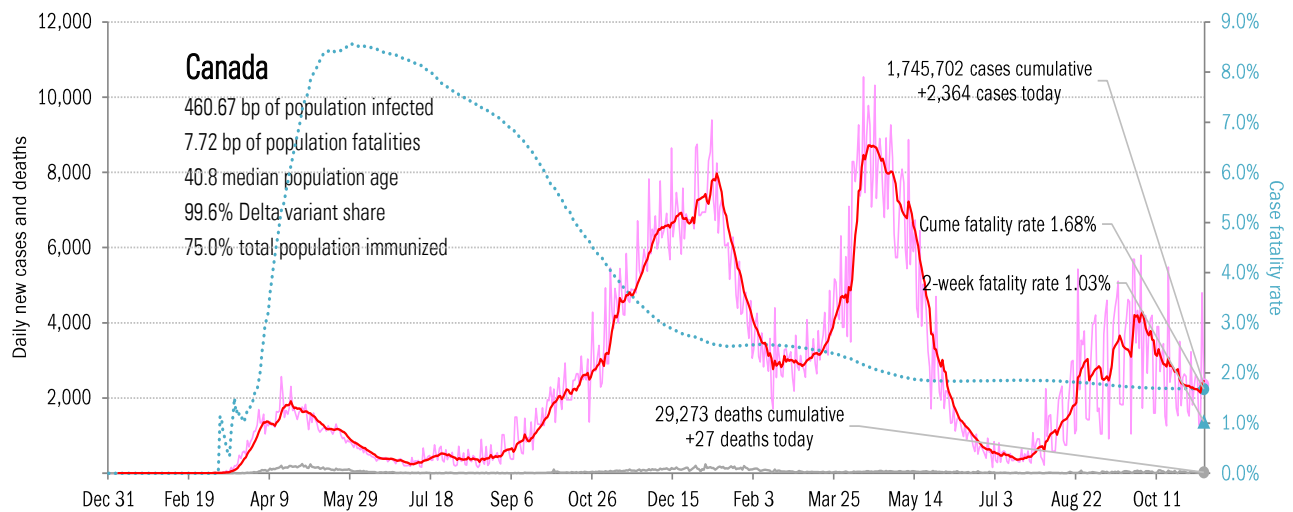
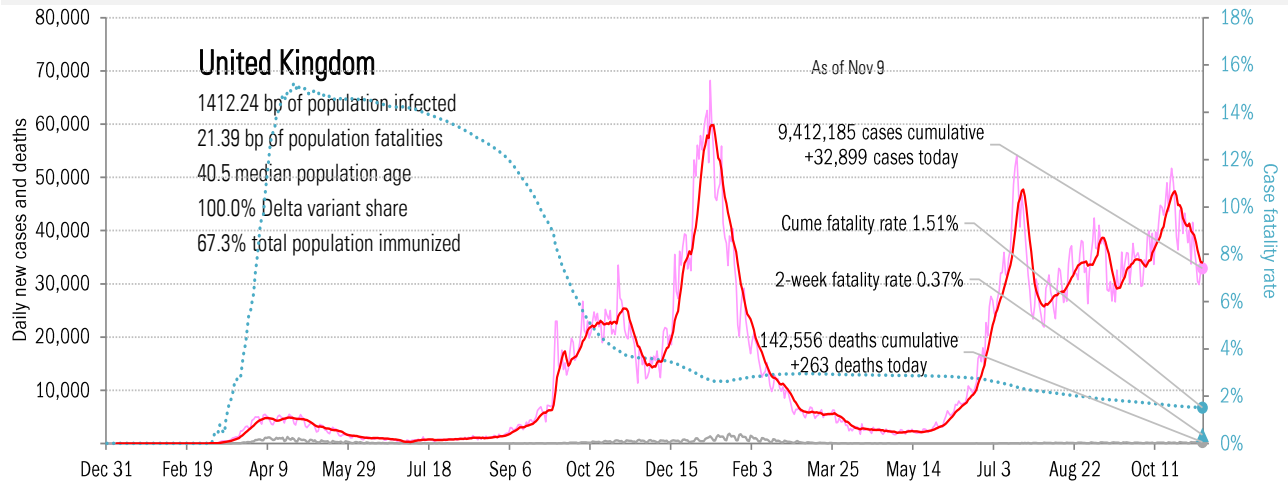
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

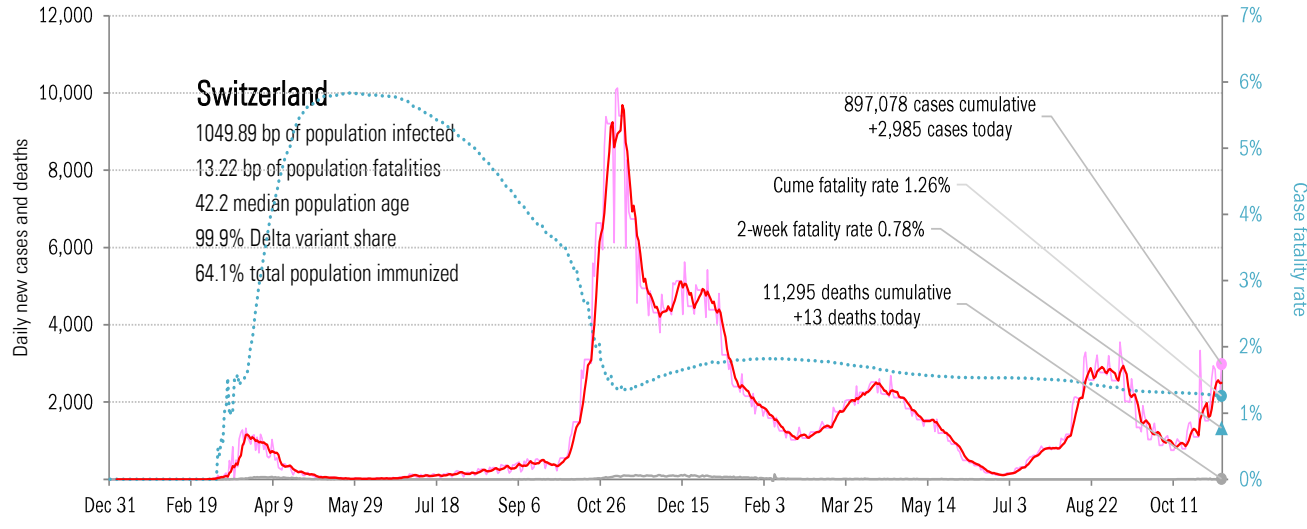
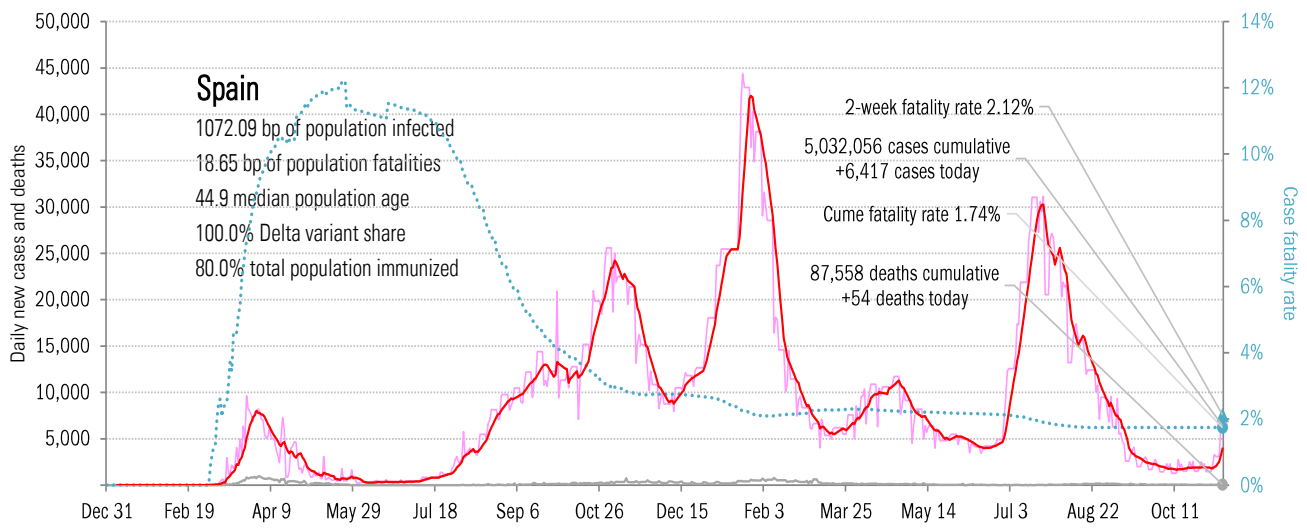
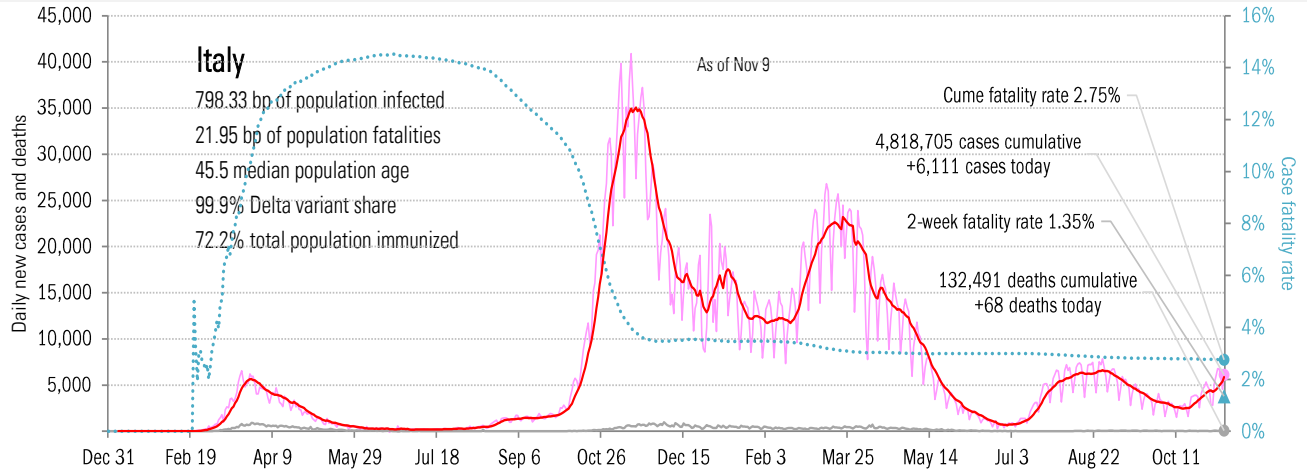


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

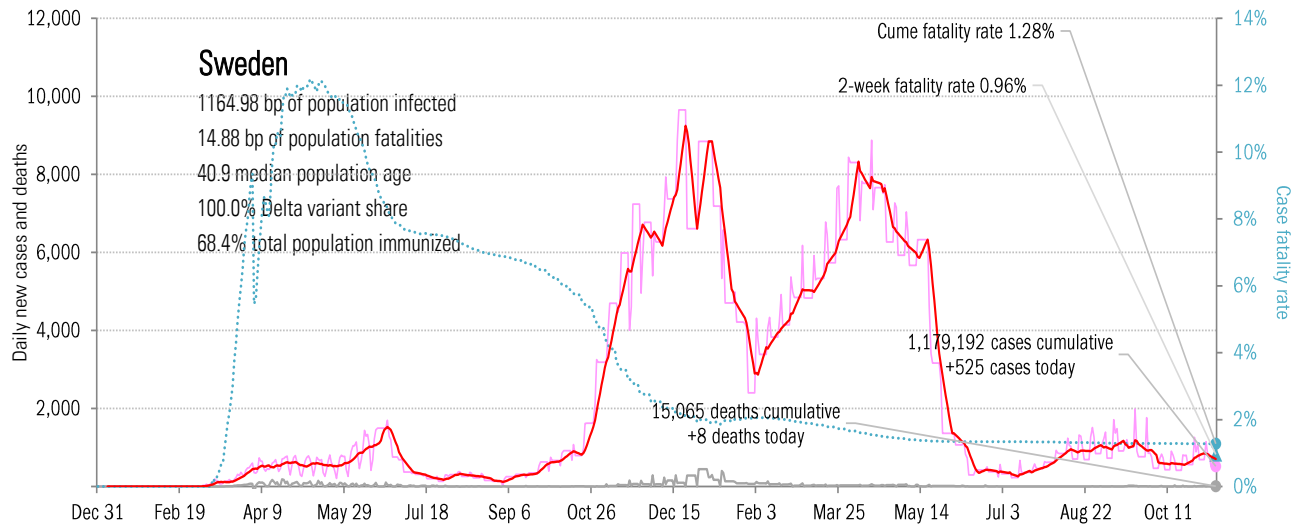
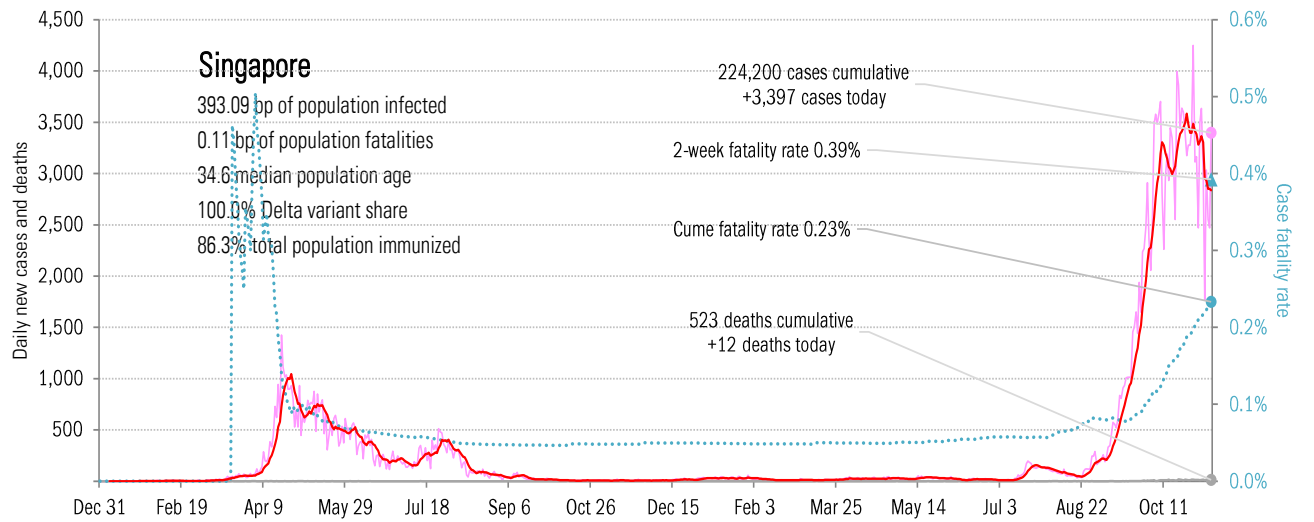
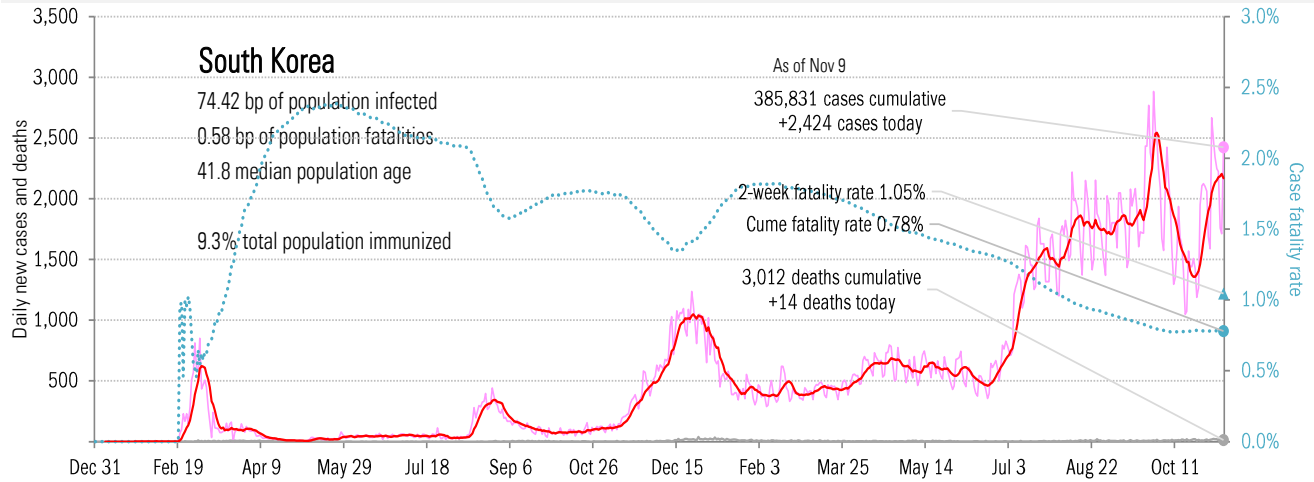
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

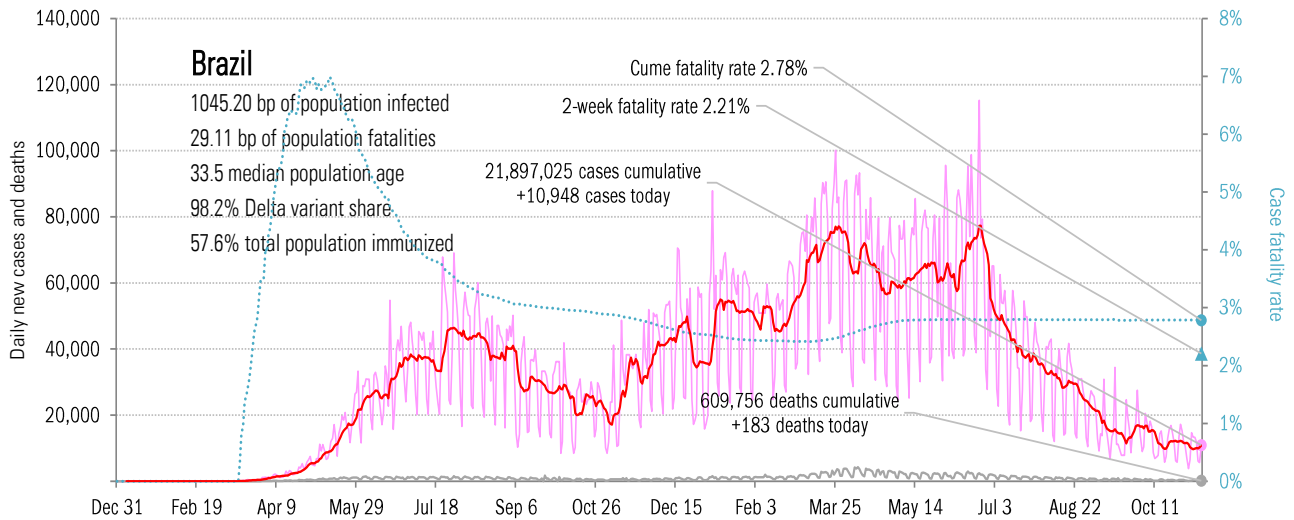
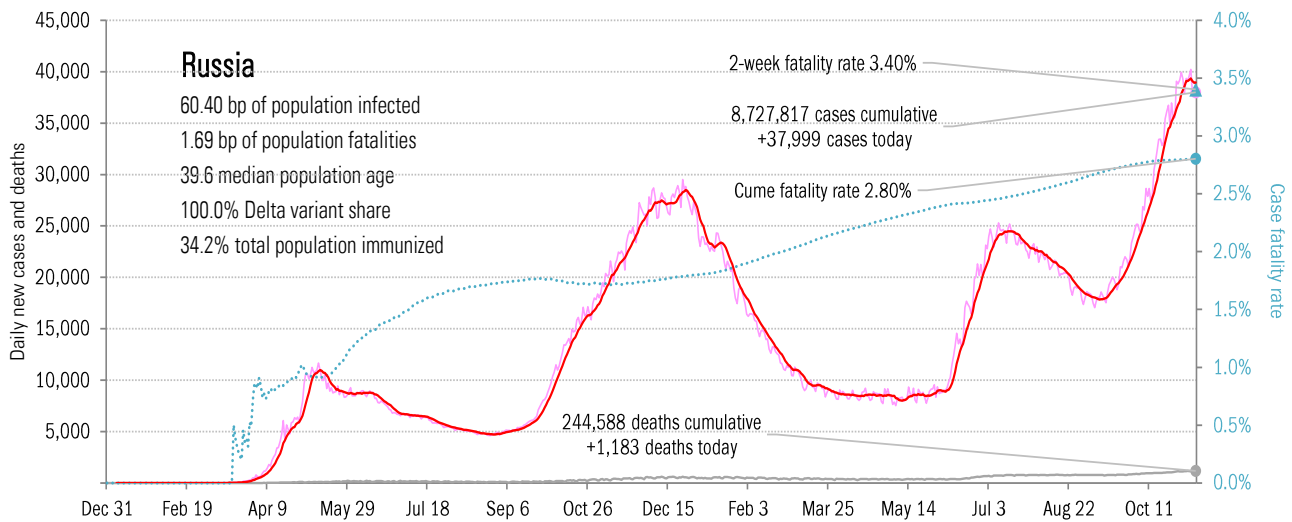
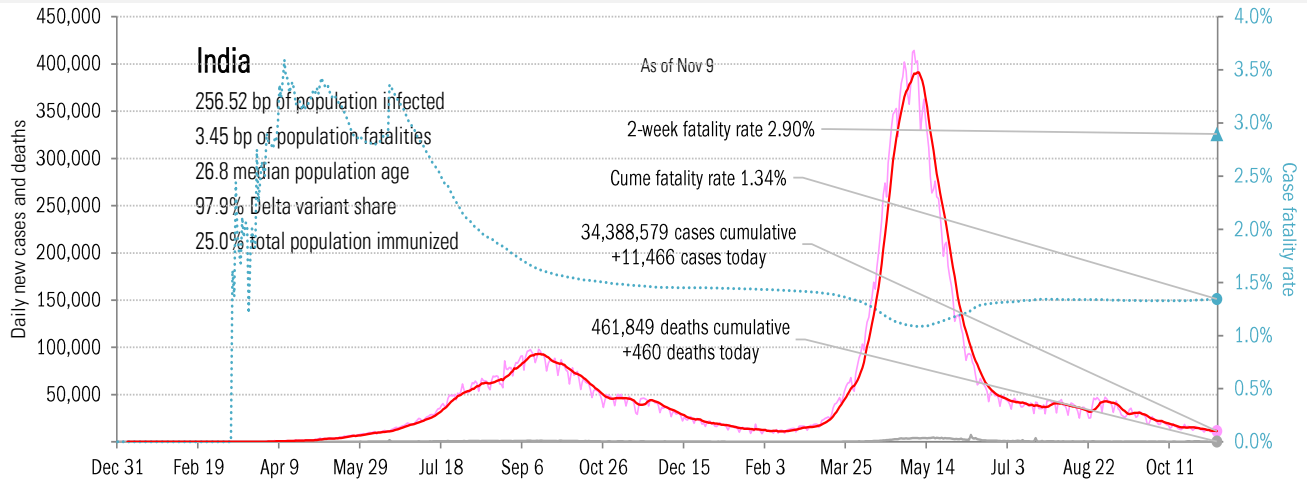
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

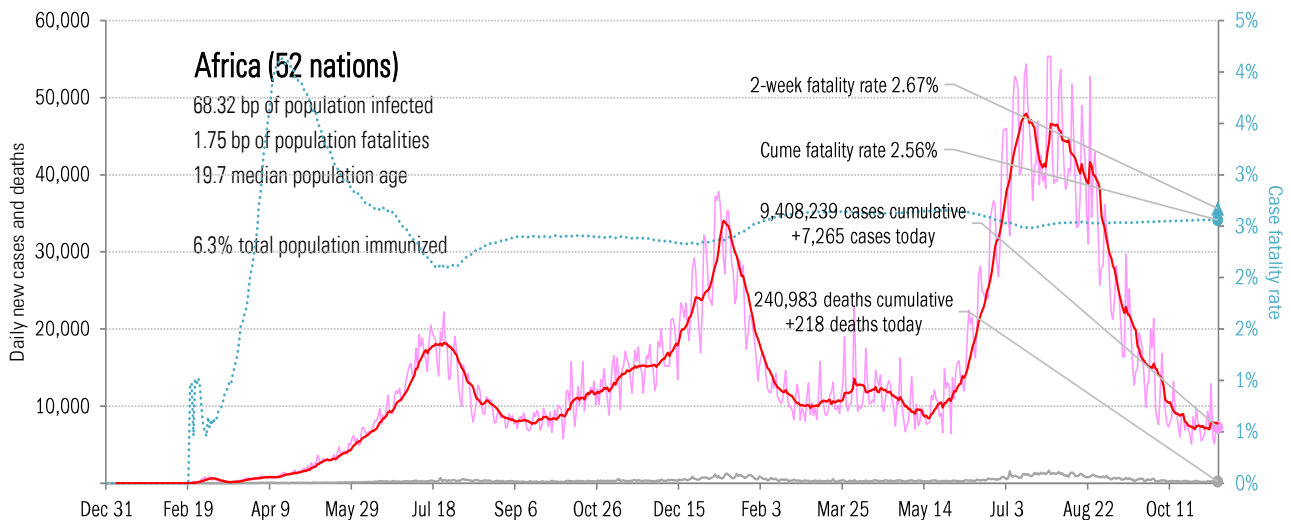
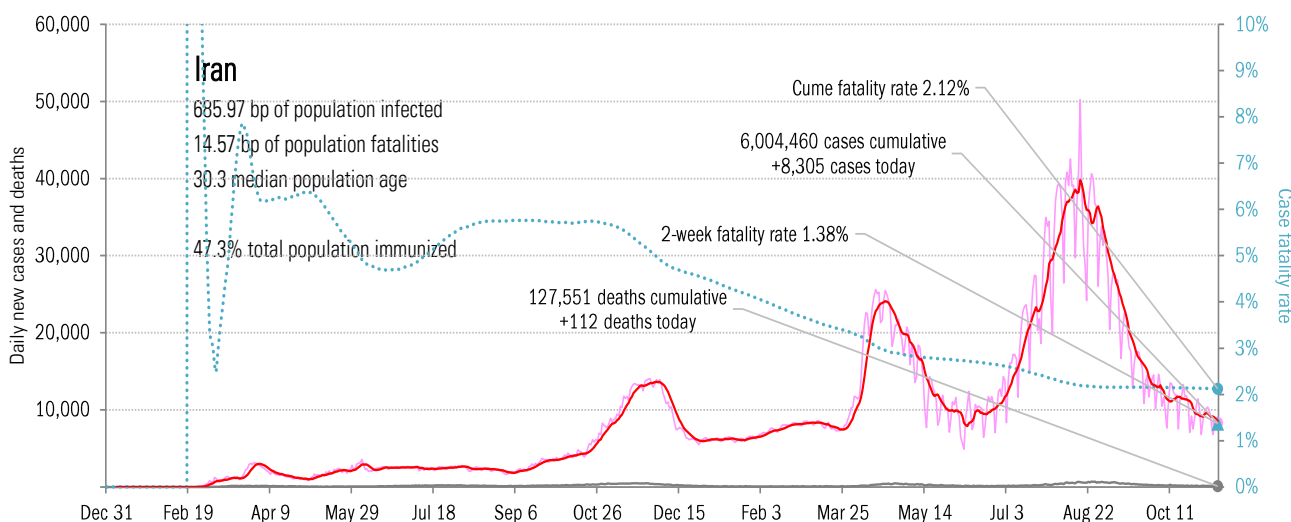
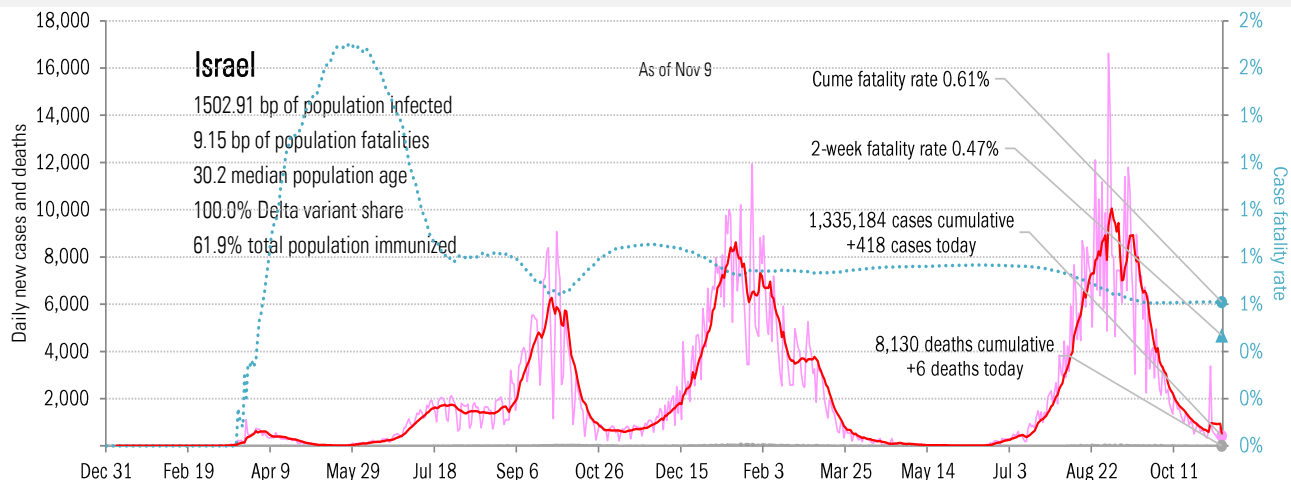
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

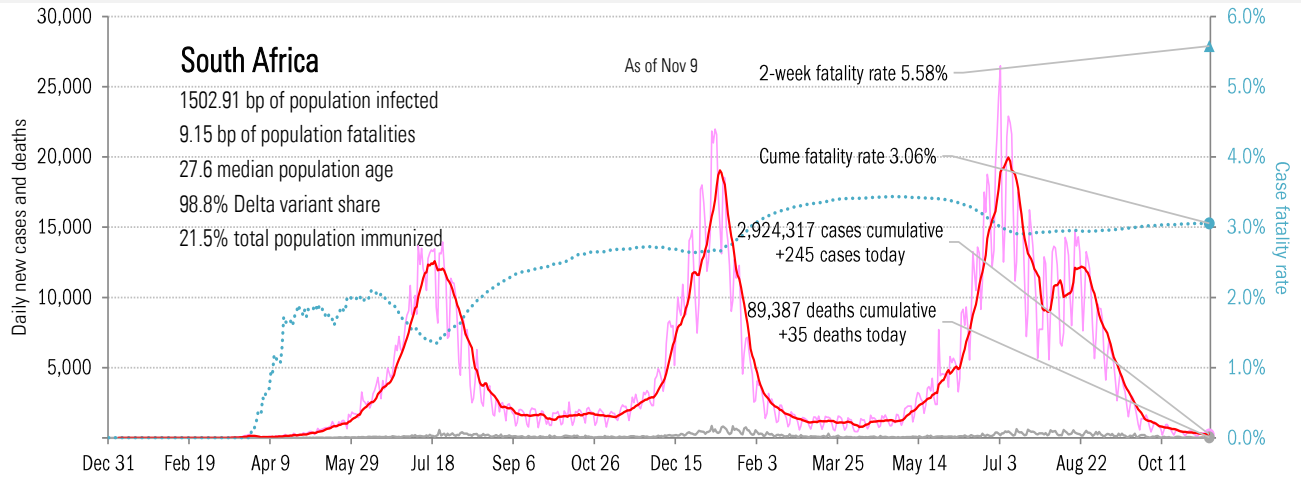
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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