

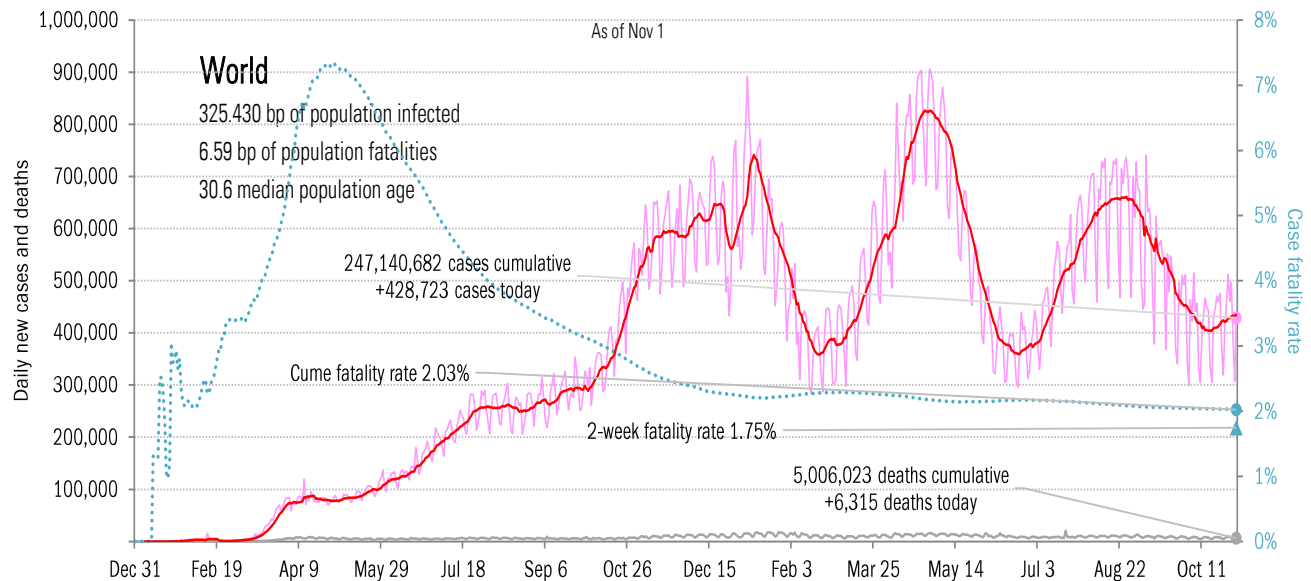
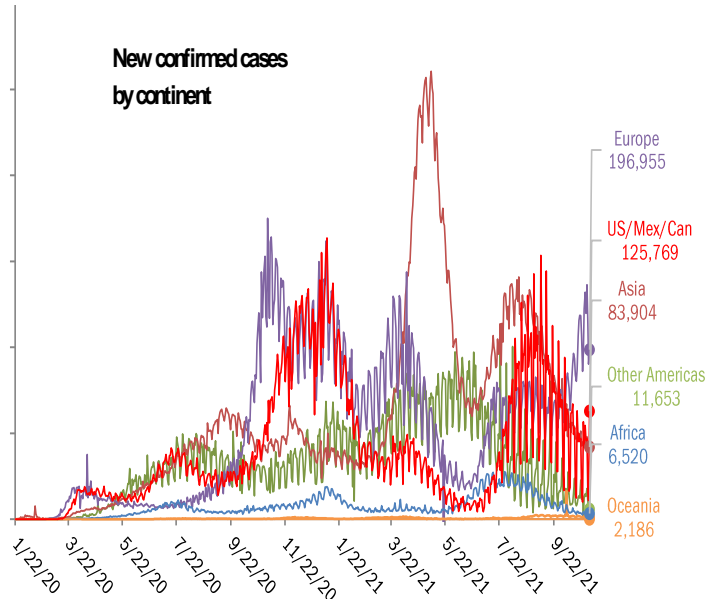
## Data Insights: Covid-2019 Monitor

Tuesday, November 2, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+122,875	United States	+1,306
United Kingdom	+39,999	Russia	+1,124
Russia	+39,321	India	+443
Turkey	+28,678	Ukraine	+329
Ukraine	+15,017	Romania	+322
Germany	+11,315	Bulgaria	+310
Hungary	+11,211	Turkey	+217
India	+10,423	Iran	+153
Iran	+9,857	Hungary	+152
Thailand	+8,165	Bosnia and Herzegovina	+112
<b>+296,861</b>		<b>+4,468</b>	
World +428,723		World +6,315	
Top ten 69%		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

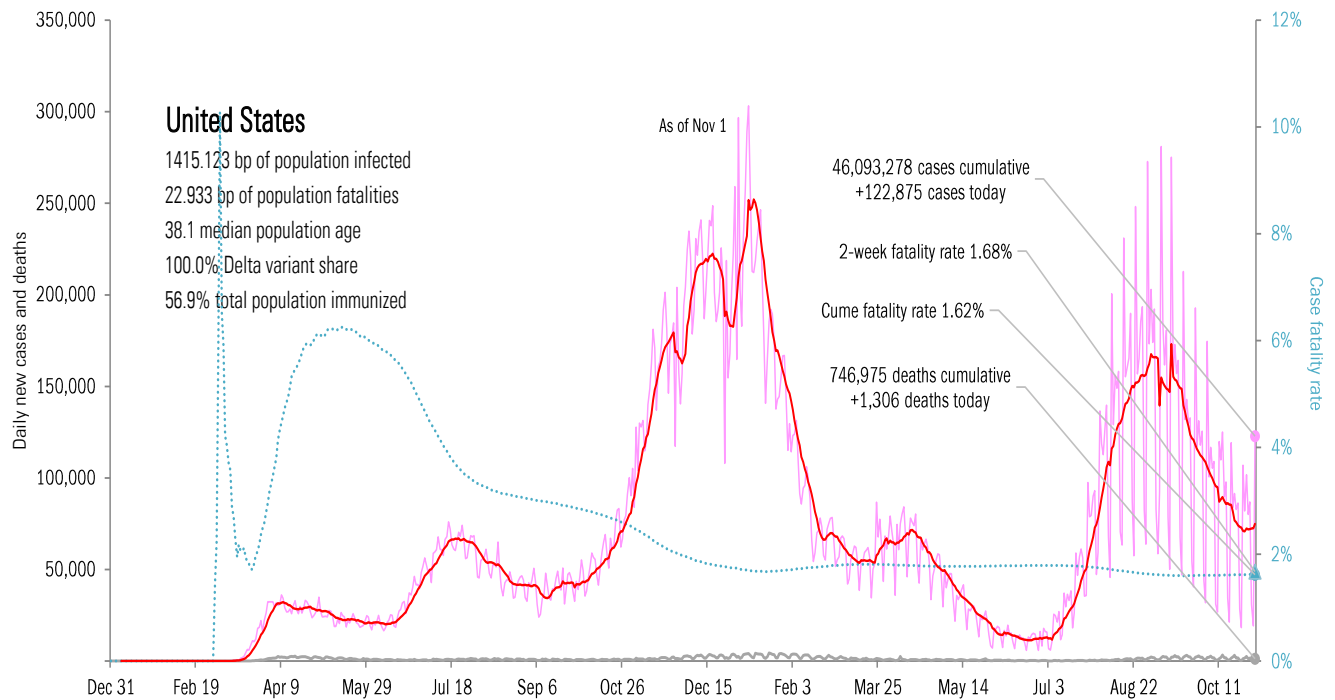
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	+16,403		CA	+161		GA	+76		CA	4,932,199		CA	72,111		TX	374,766		RI	90%	RI	90%
MN	+10,434		GA	+109		IL	+31		TX	4,242,156		TX	71,262		FL	318,461		NV	86%	ID	90%
MI	+10,415		FL	+105		MN	+19		FL	3,692,166		FL	59,612		CA	310,271		MD	85%	NM	89%
CO	+7,394		VA	+77		NJ	+18		NY	2,564,789		NY	56,510		NY	163,804		MA	83%	TX	86%
IL	+6,125		CO	+72		NM	+15		IL	1,701,649		PA	31,455		GA	159,713		MN	82%	NH	86%
NY	+5,206		NY	+71		OK	+15		GA	1,636,325		GA	29,174		CH	123,449		WA	82%	NV	84%
NC	+4,950		TX	+69		WI	+15		PA	1,564,939		IL	28,267		PA	116,762		PA	81%	AL	84%
WI	+4,785		MI	+68		SD	+12		CH	1,547,788		NJ	27,980		KY	111,207		GA	81%	GA	83%
WA	+4,673		IL	+63		MD	+8		NC	1,482,464		CH	24,527		IL	104,769		MI	80%	KY	83%
IN	+3,971		IN	+54		NH	+7		MI	1,285,518		MI	23,730		MI	91,466		CT	80%	MI	83%
<b>+74,356</b>			<b>+849</b>			<b>+216</b>			<b>24,649,993</b>			<b>424,628</b>			<b>1,874,668</b>						
All states	+122,875			+1,306			-135		All states	46,093,278			746,975			3,350,673		All states	70%		67%
Top ten	61%			65%			-160%		Top ten	53%			57%			56%		Median	73%		76%

Some states not reporting

## Five most improved US states

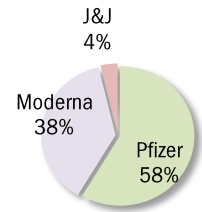
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
PA	-2,440	PA	-36	CA	-36	AK	+10 bp
AZ	-750	HI	-10	AZ	-33	AR	+10 bp
NJ	-394	MO	-4	CO	-26	AZ	+10 bp
MO	-277	PR	-2	TX	-26	CA	+10 bp
MD	-188	AL	0	NV	-20	CO	+10 bp



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	434,832,356		+0.952 million		US	56.9%	65.9%	
Boosters	19,502,883		+0.579 million		UK	67.0%	73.3%	
	One dose	% Pop	Immune	% pop	New immune today	France	67.9%	75.7%
Total population	227,435,562	68%	197,598,172	59%	+0.136 million	Spain	79.8%	81.4%
Age 12 to 17	14,188,792	60%	11,904,533	50%	+0.013 million	Germany	66.1%	68.8%
Age 18 to 64	157,101,452	77%	136,456,495	67%	+0.101 million	Italy	71.5%	77.3%
Age 65 and over	55,033,039	100%	48,315,833	88%	+0.021 million	Australia	64.7%	74.5%

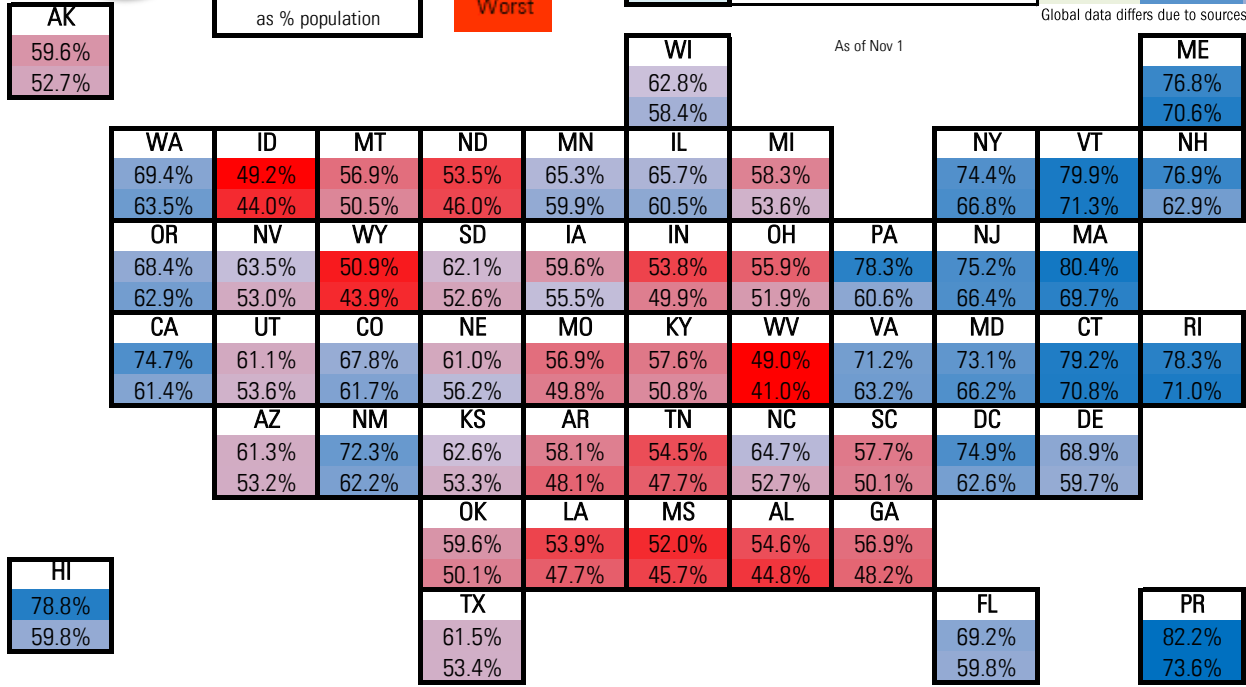


State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

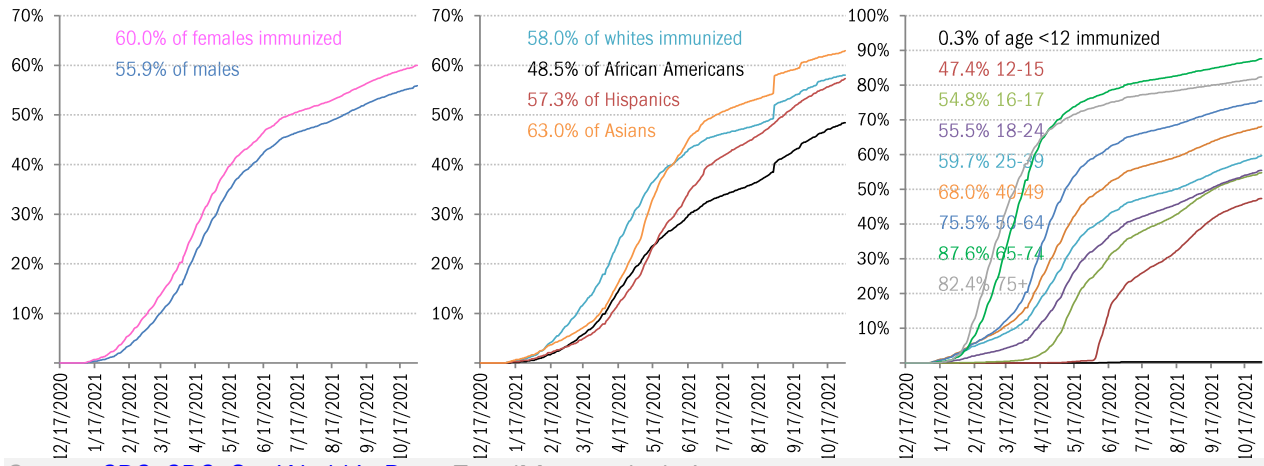
Every American >18 immunized in **67 days** by Jan 7, 2022  
 71.5% of population >18 immunized  
 16.4% previously tested positive  
**88.0%** vs 60% adult herd immunity

Israel	65.2%	71.0%
Canada	74.4%	78.4%
Japan	72.8%	78.0%
Africa	6.0%	8.9%
India	23.8%	52.8%
Brazil	56.4%	74.4%
China	74.1%	76.2%

Global data differs due to sources, timing



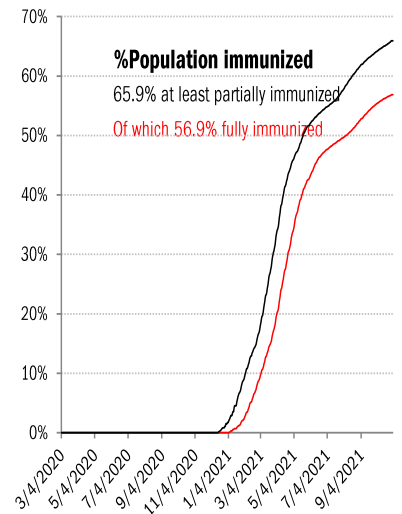
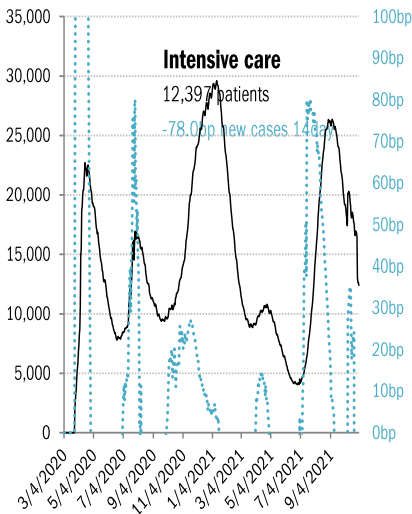
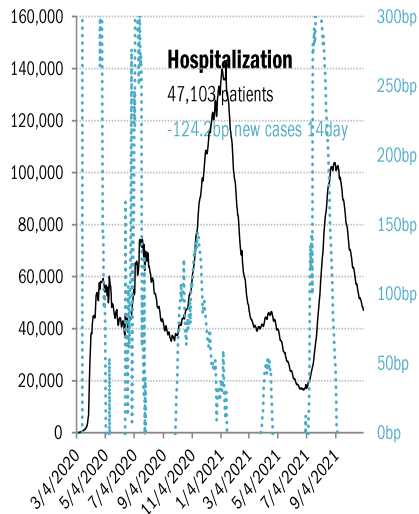
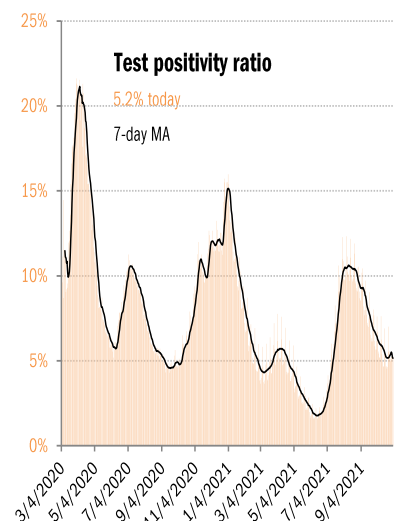
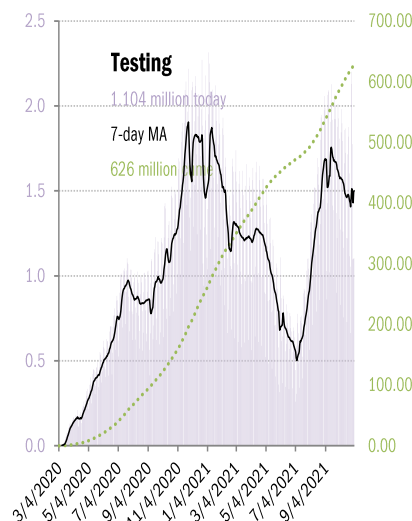
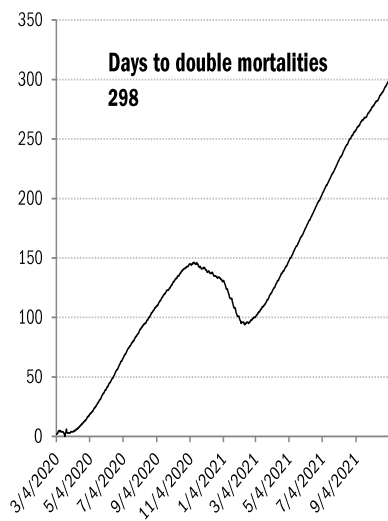
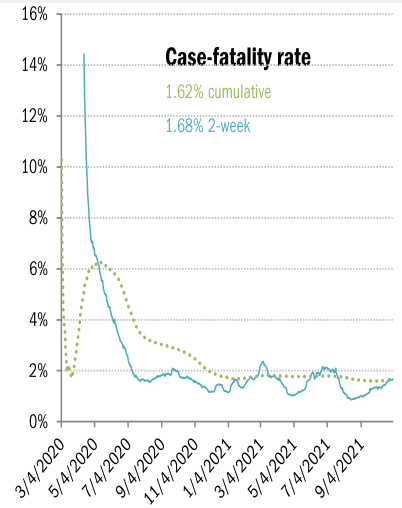
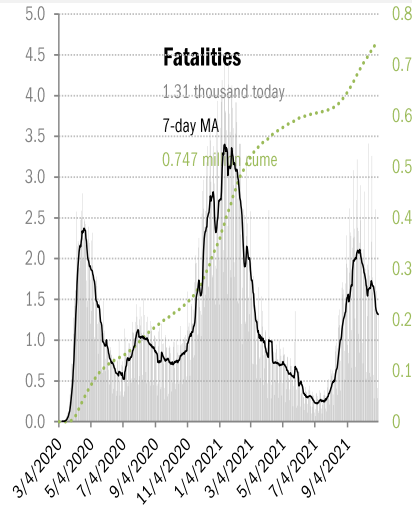
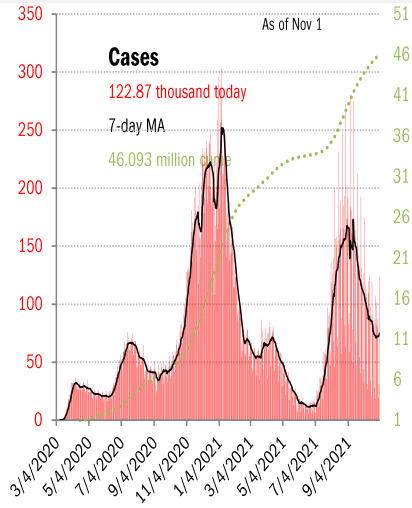
## The demographics of US vaccination



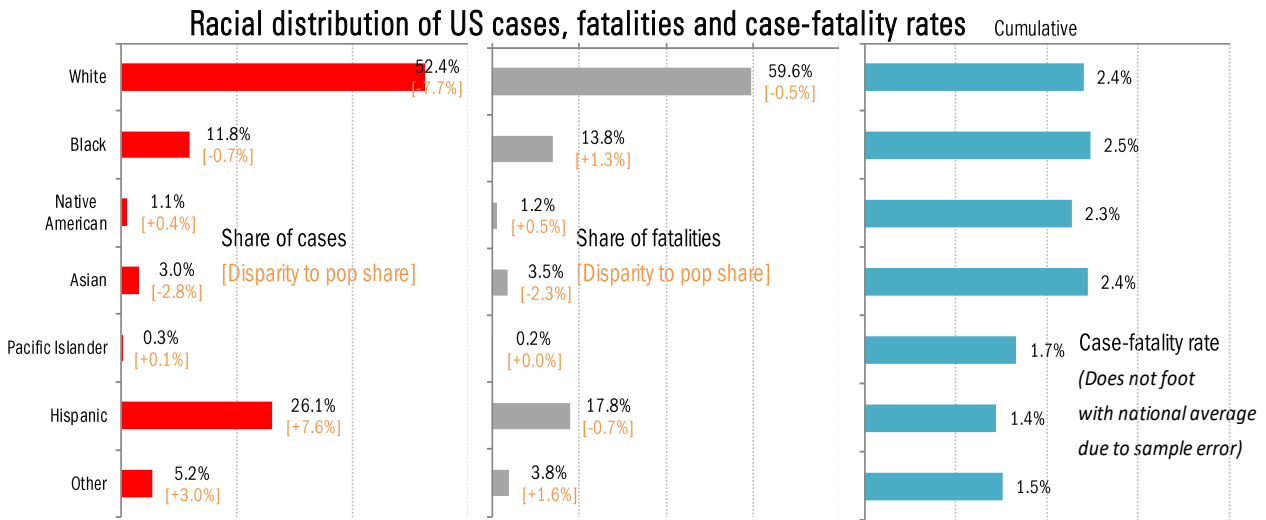
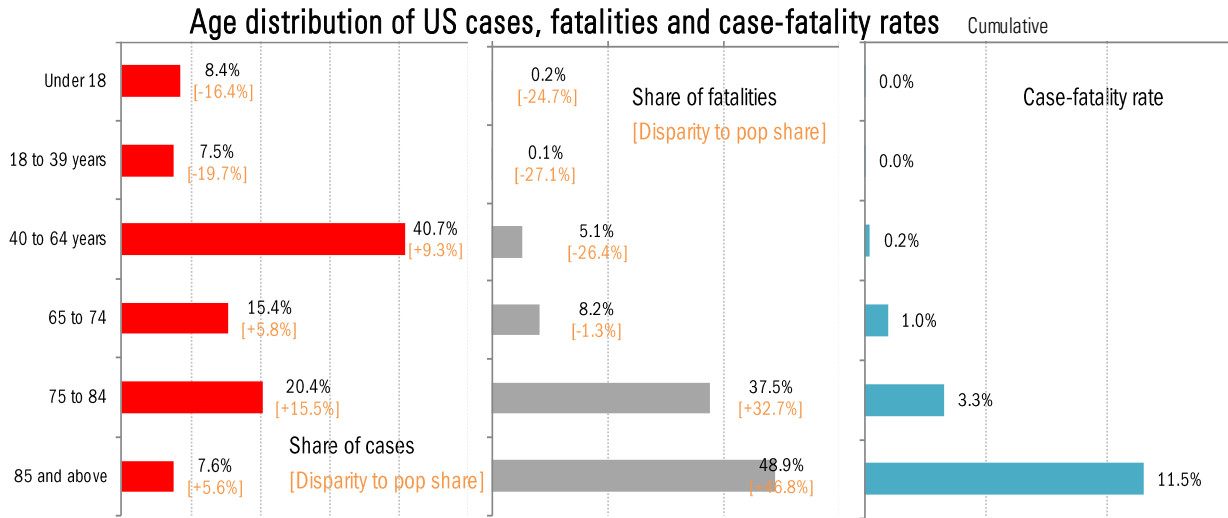
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

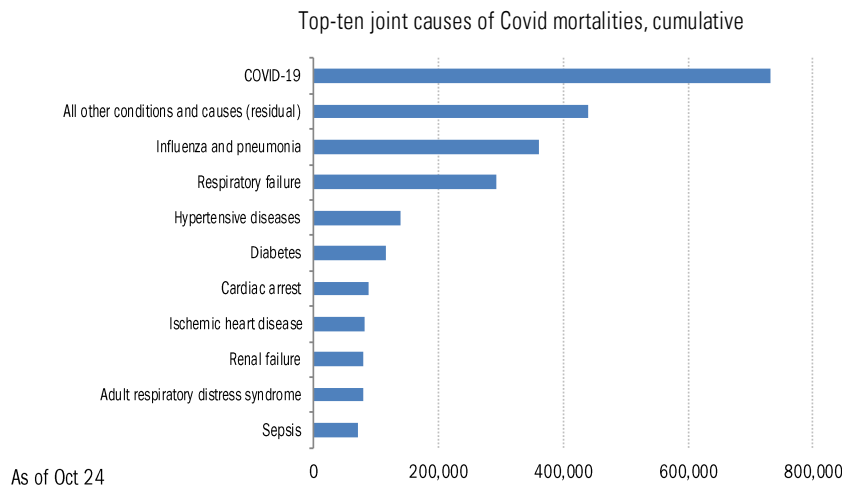
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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

[Dallas Parents Hire Billboard Trucks To Blast Diocese School Mask Mandate](#)

Mairead Elordi  
*Daily Wire*  
October 26, 2021

[How Often Do Covid Vaccines Cause Heart Problems in Kids?](#)

Apoorva Mandavilli  
*New York Times*  
November 1, 2021

[How Fauci Fooled Americ](#)

Martin Kulldorff and Jay Bhattacharya  
*Newsweek*  
November 1, 2021

October 31, 2021

[A judge blocks Chicago from enforcing its vaccine mandate for police officers.](#)

Mitch Smith  
*New York Times*  
November 1, 2021

[N.Y.C.'s vaccination rate for city workers climbs to 91 percent, and 9,000 are put on unpaid leave.](#)

Joseph Goldstein, Ashley Southall and Emma G. Fitzsimmons  
*New York Times*  
November 1, 2021

[When in Rome, eh Joe! How the President appears happy to lose the mask in Europe yet insists on wearing it even when surrounded by vaccinated staff at the White House](#)

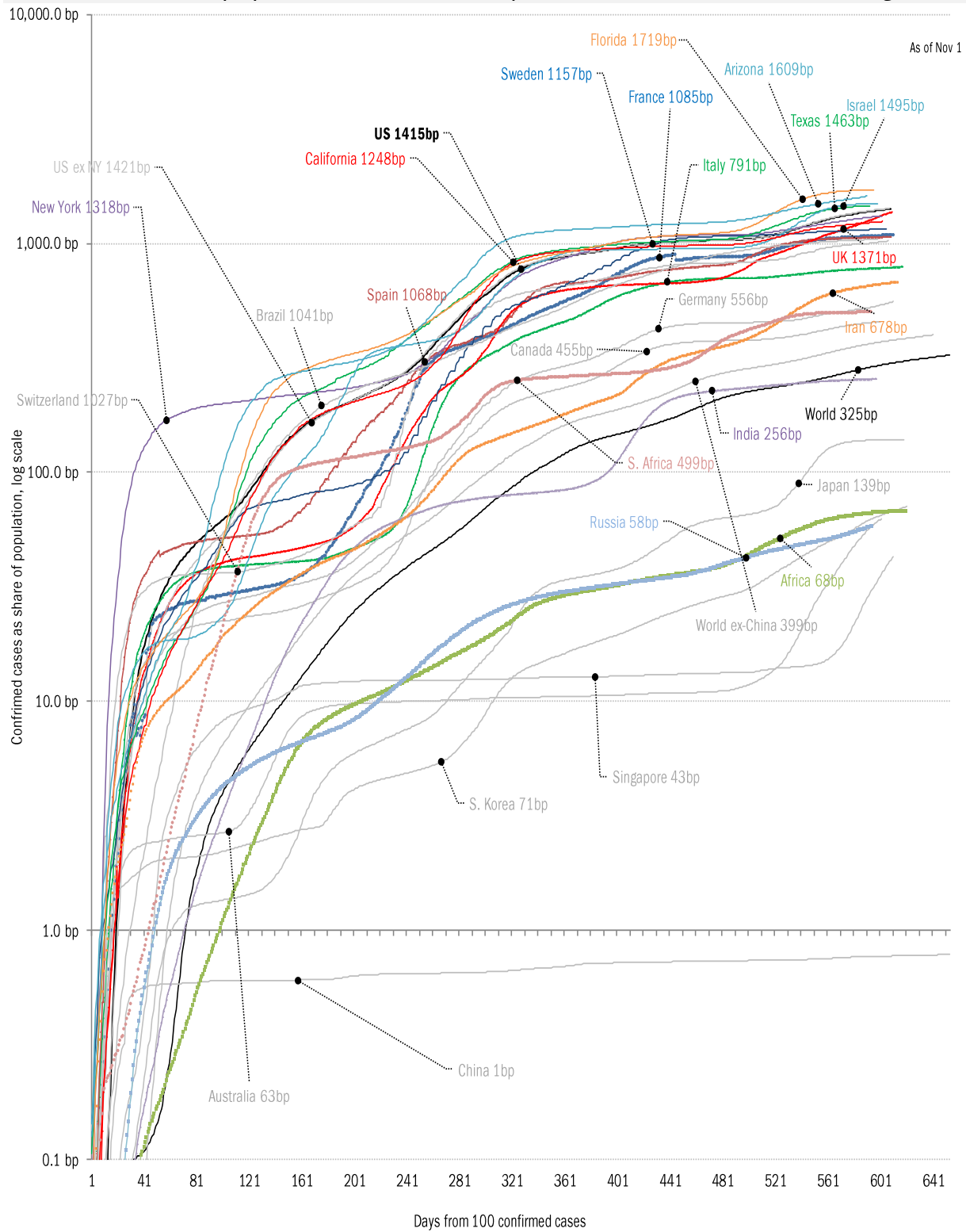
Elizabeth Elkind  
*Daily Mail*

## Meme of the day



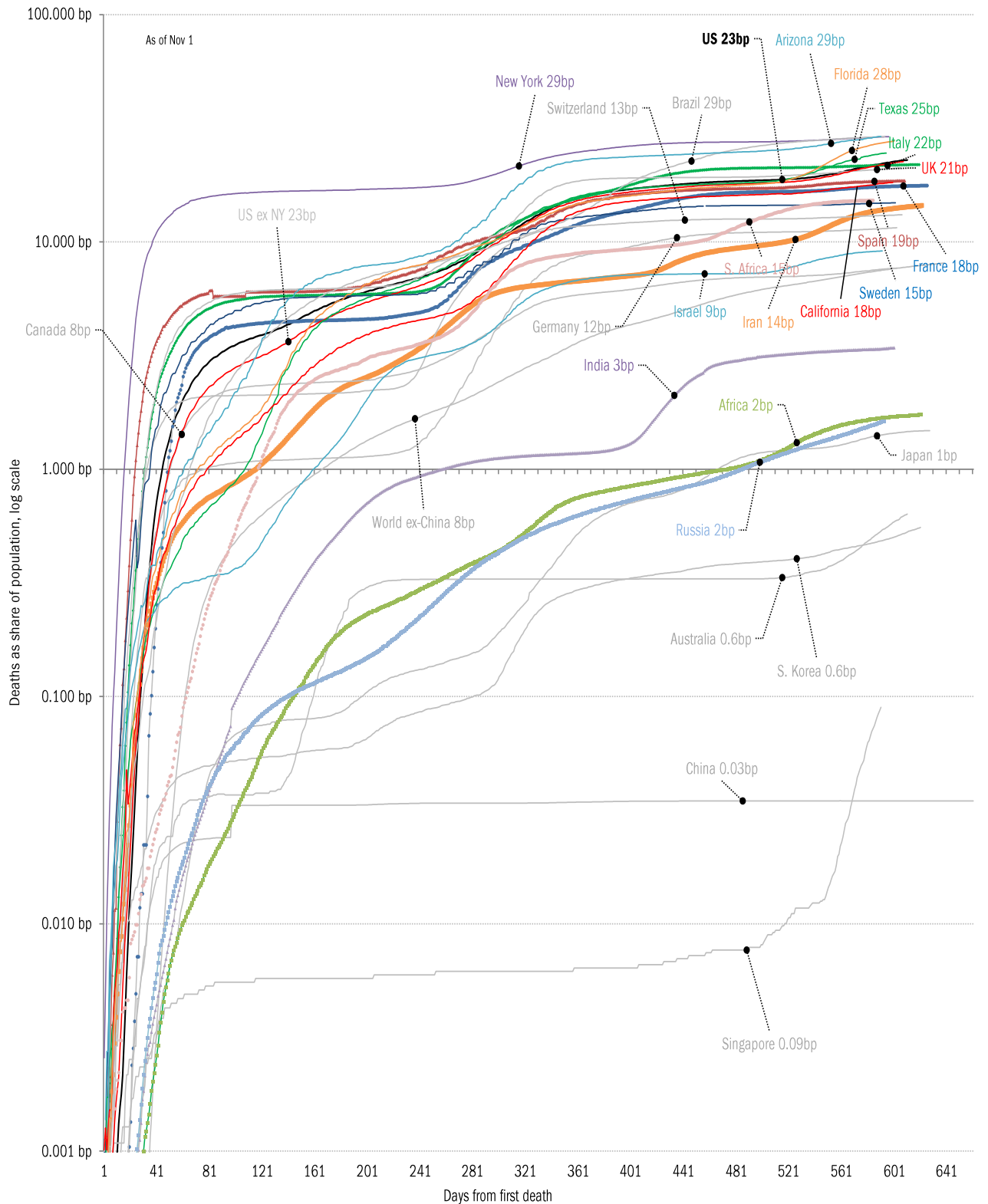
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



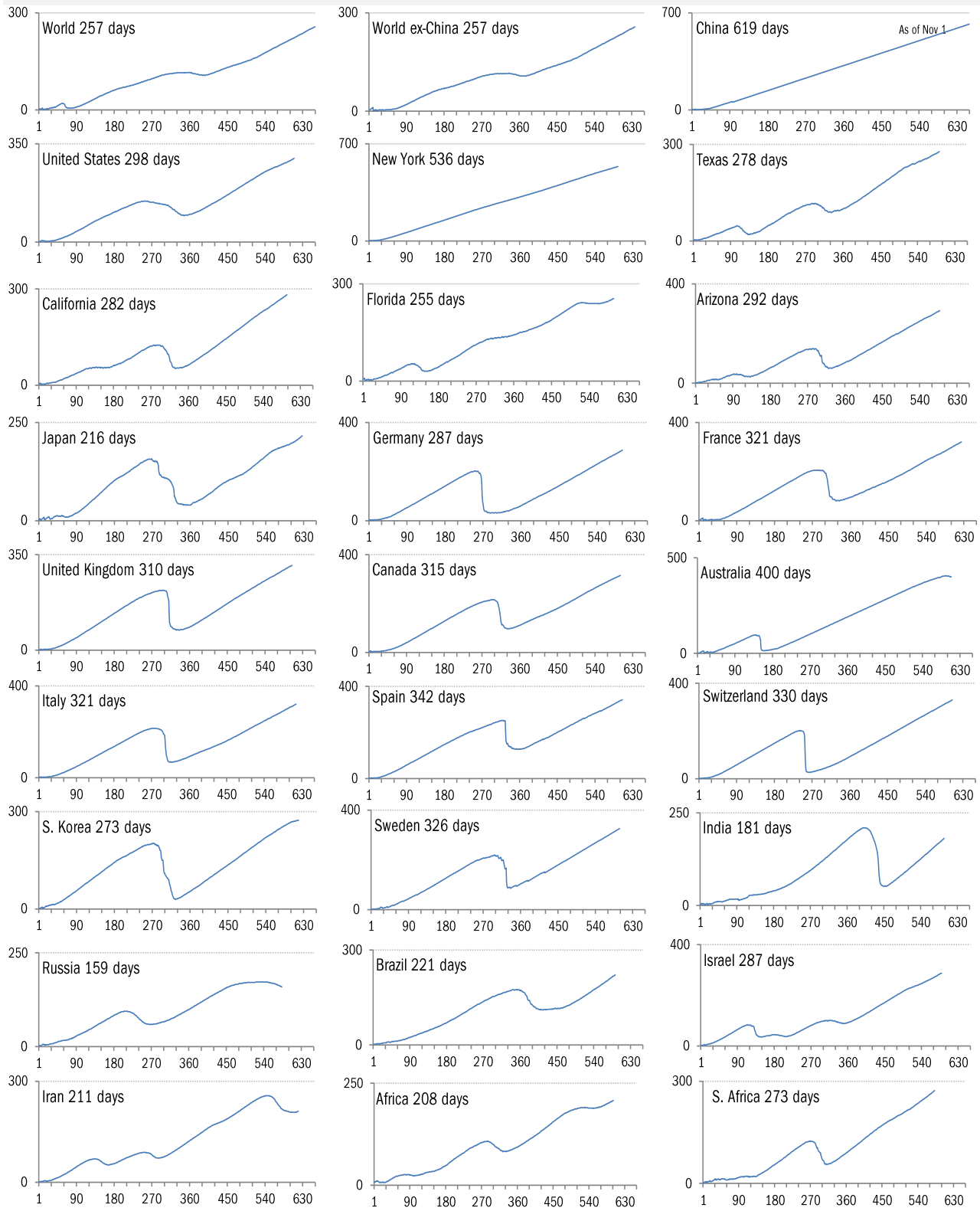
Source: [Johns Hopkins](#), TrendMacro calculations



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

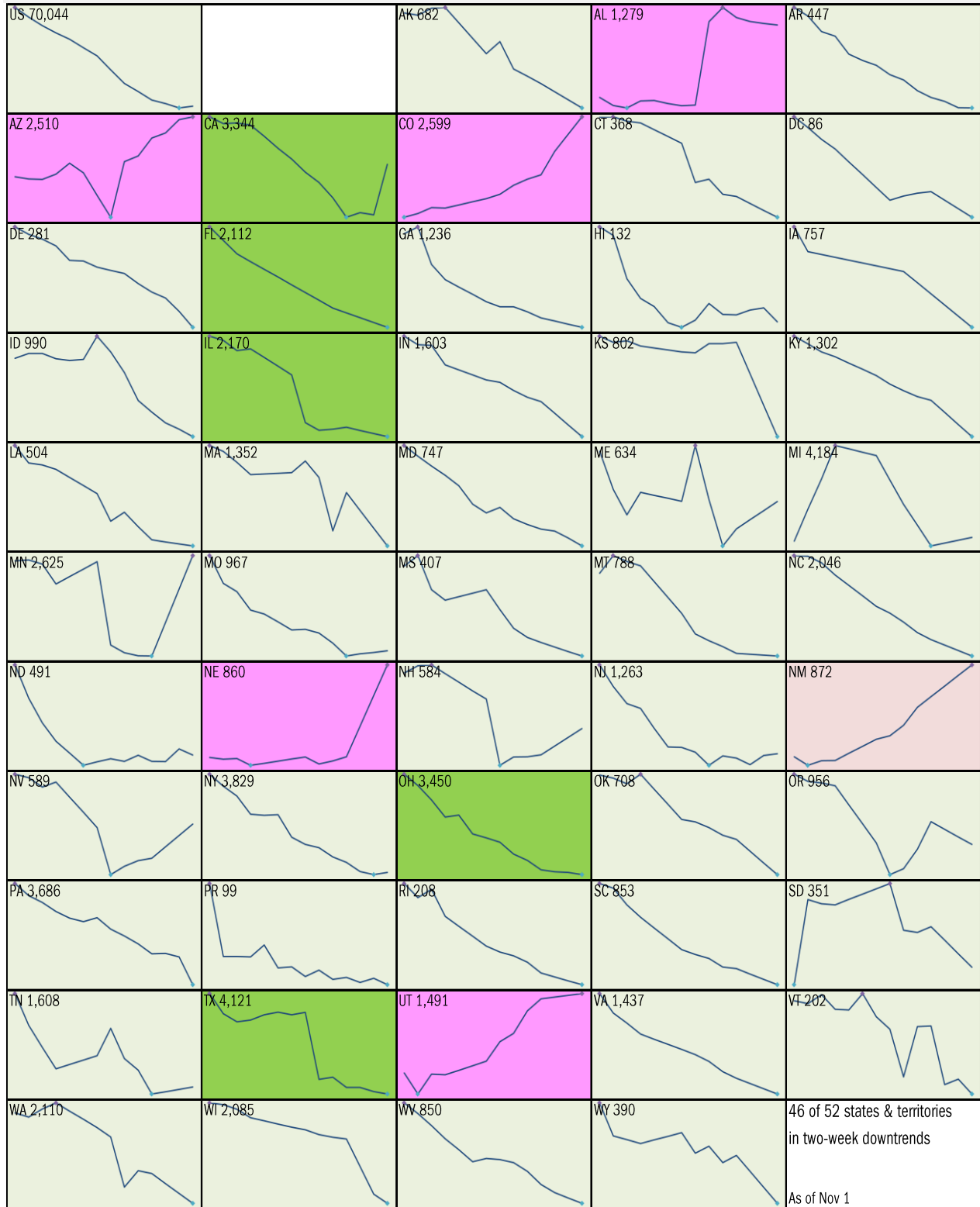
Vertical: days to double deaths Horizontal: days from first death

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



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

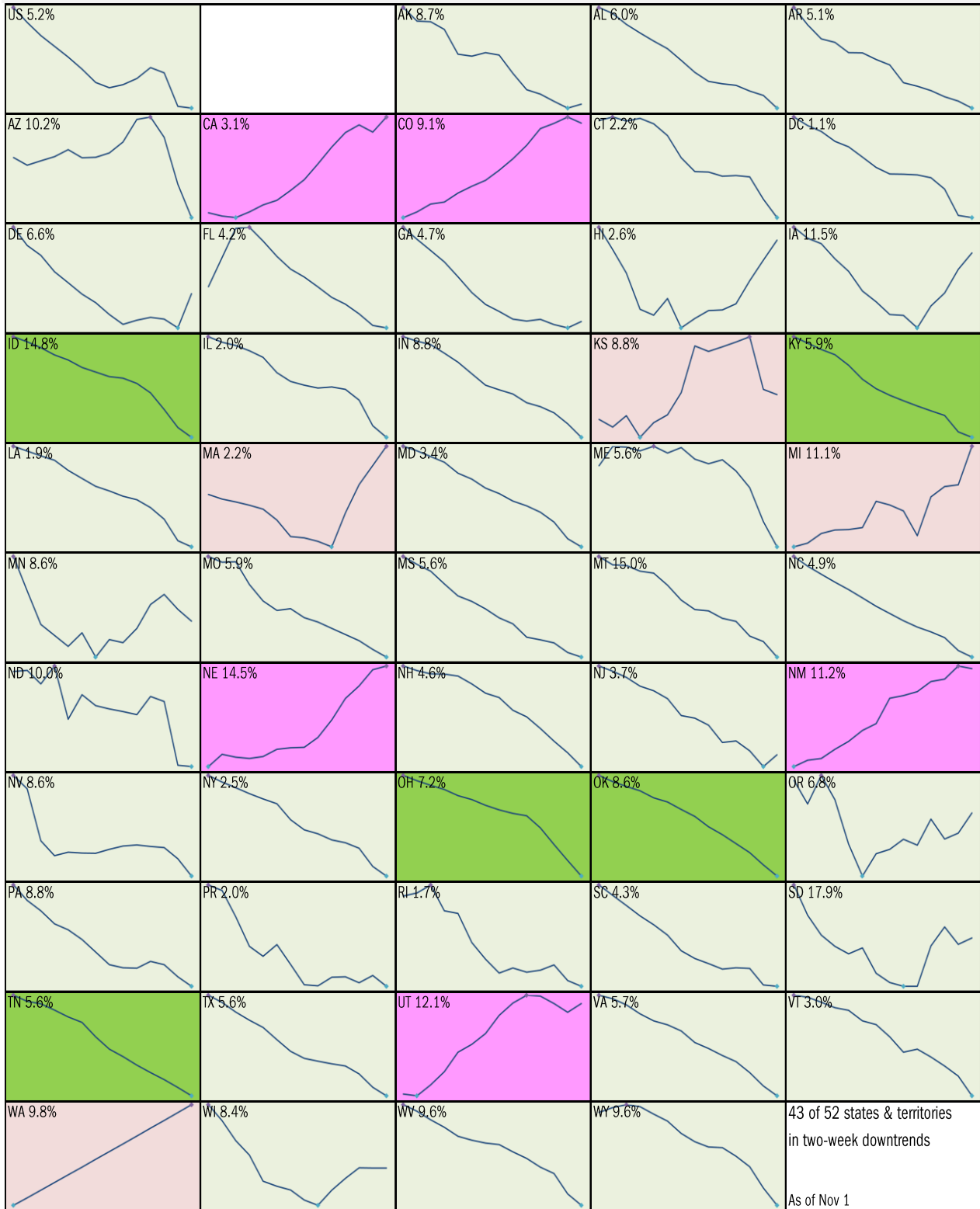
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

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

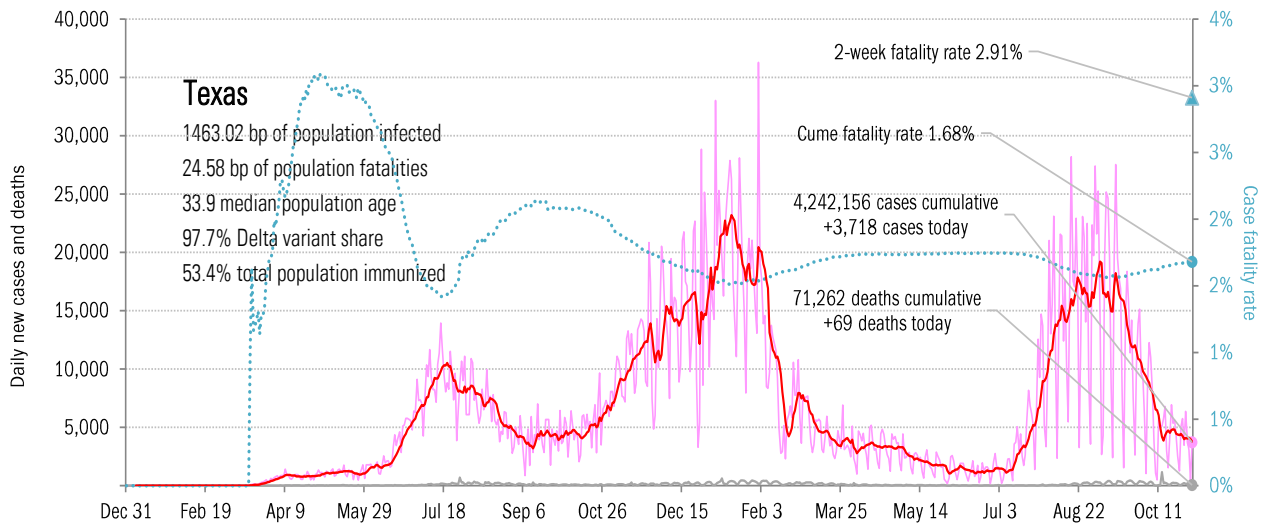
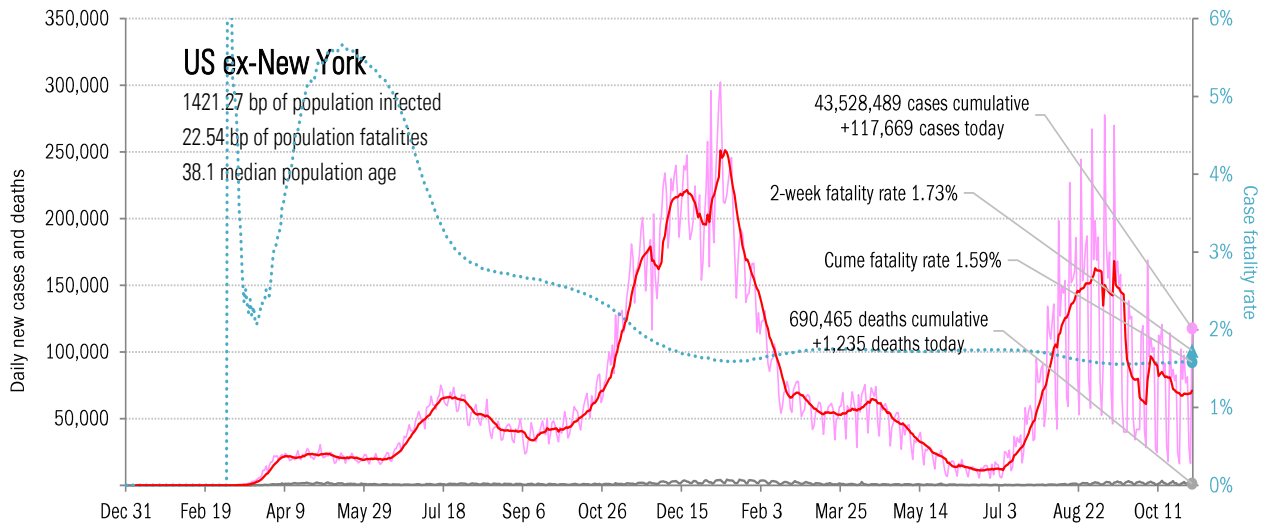
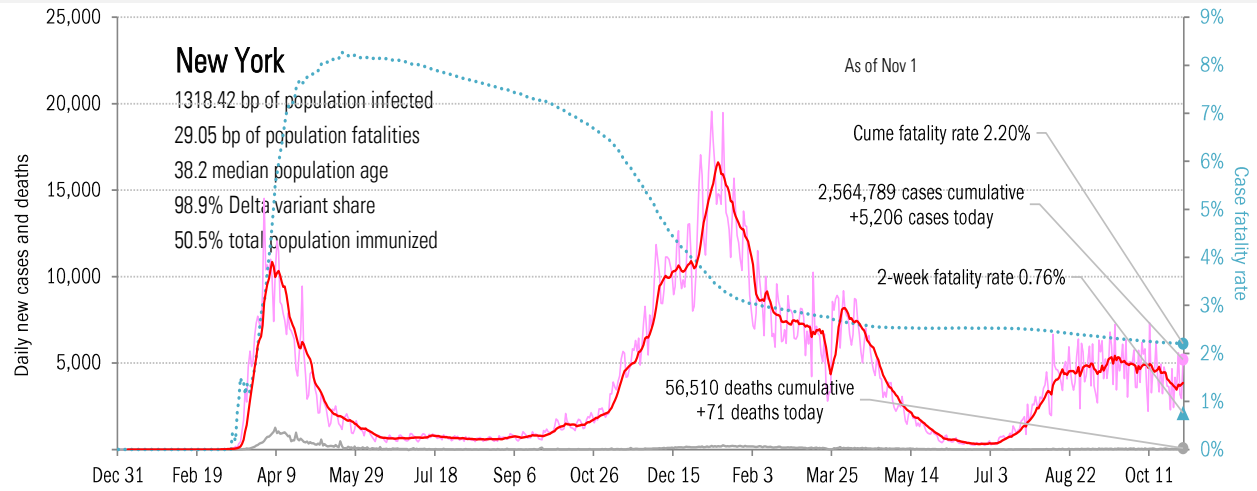
14-day moving average, last 14 days Most recent value displayed ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

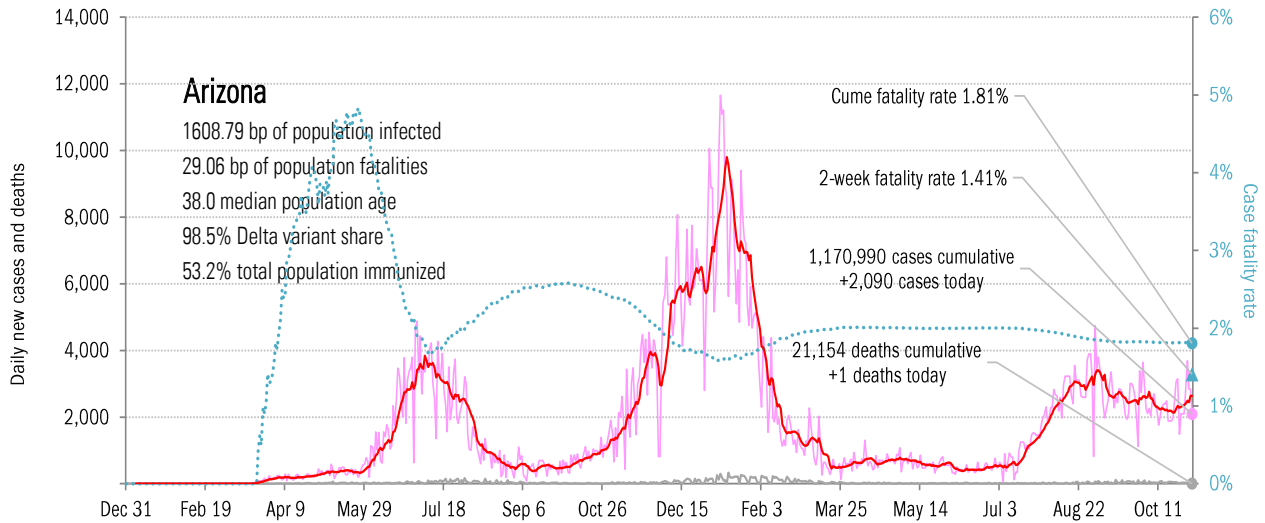
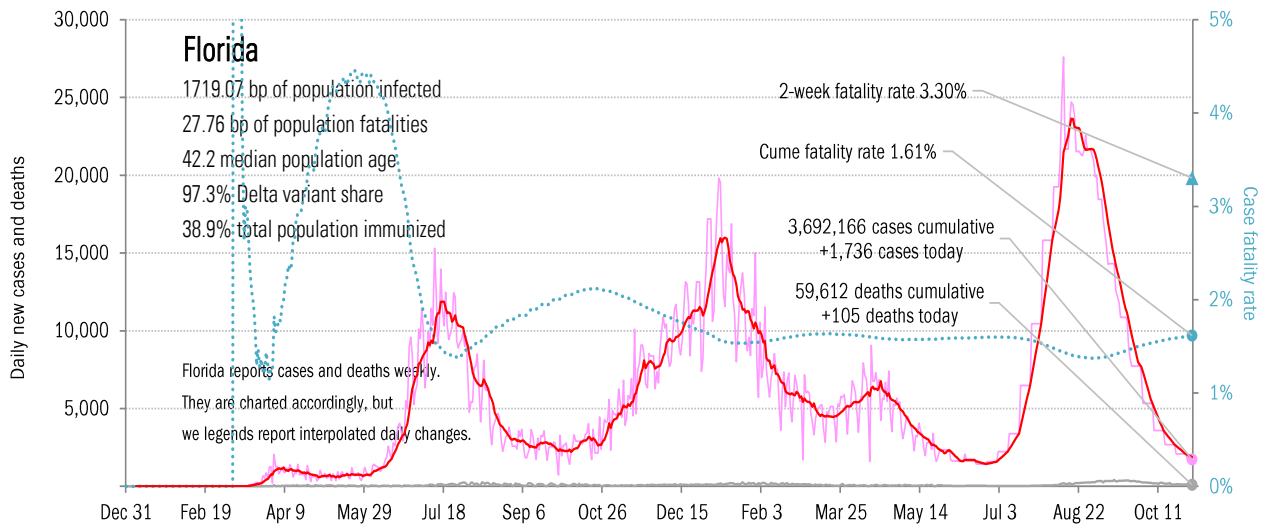
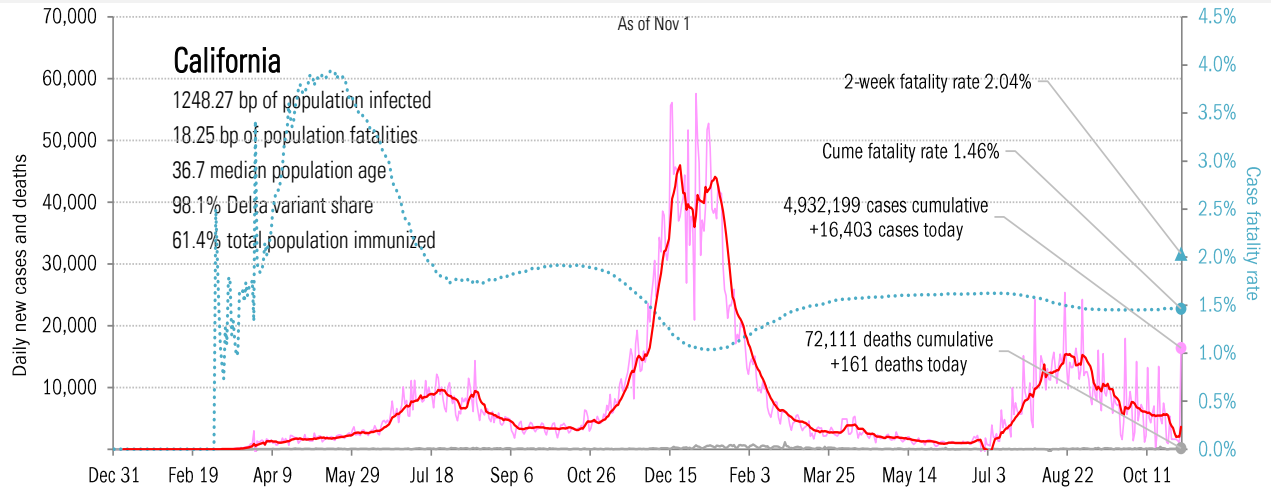
Cases: 7-day average and daily Deaths: Daily



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

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

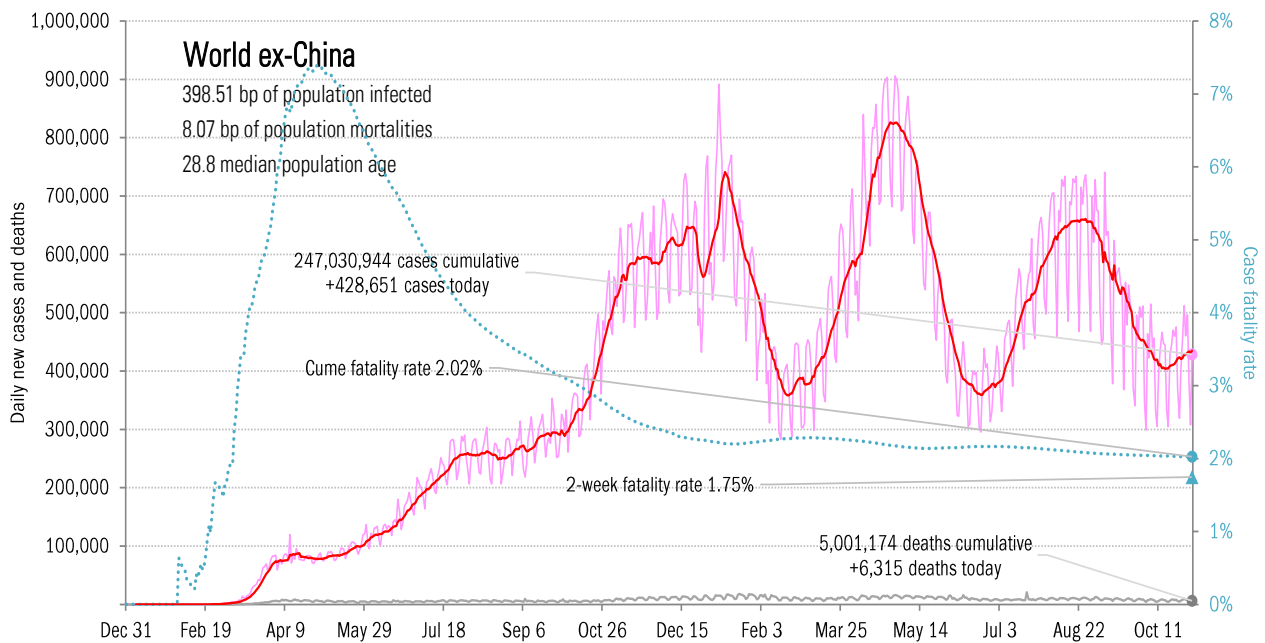
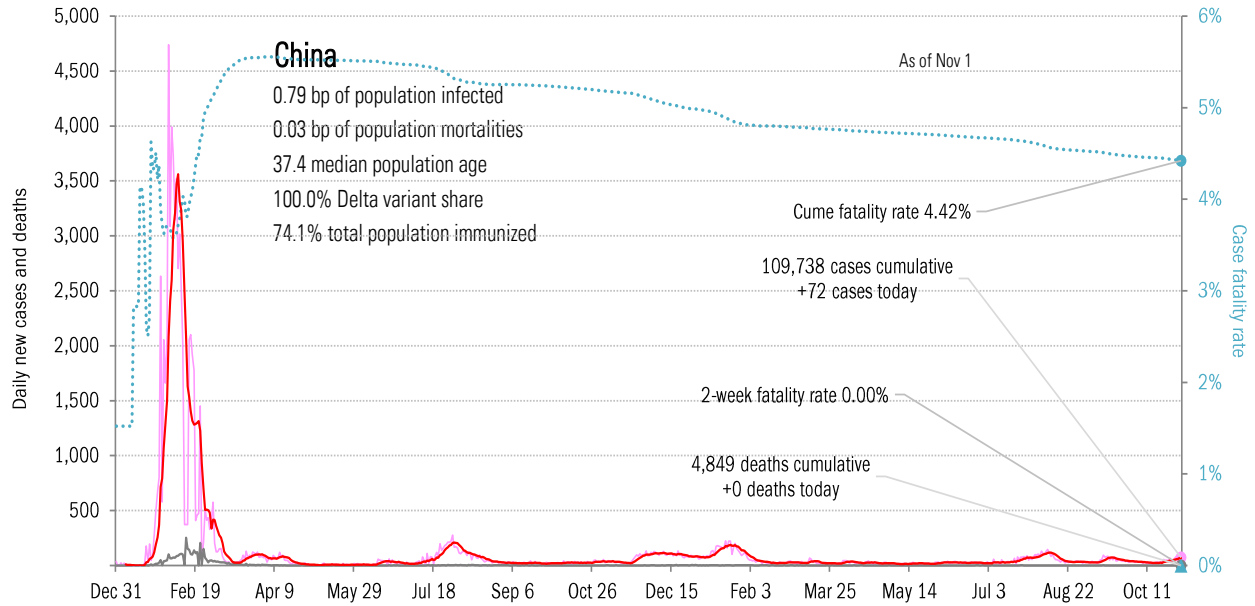
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

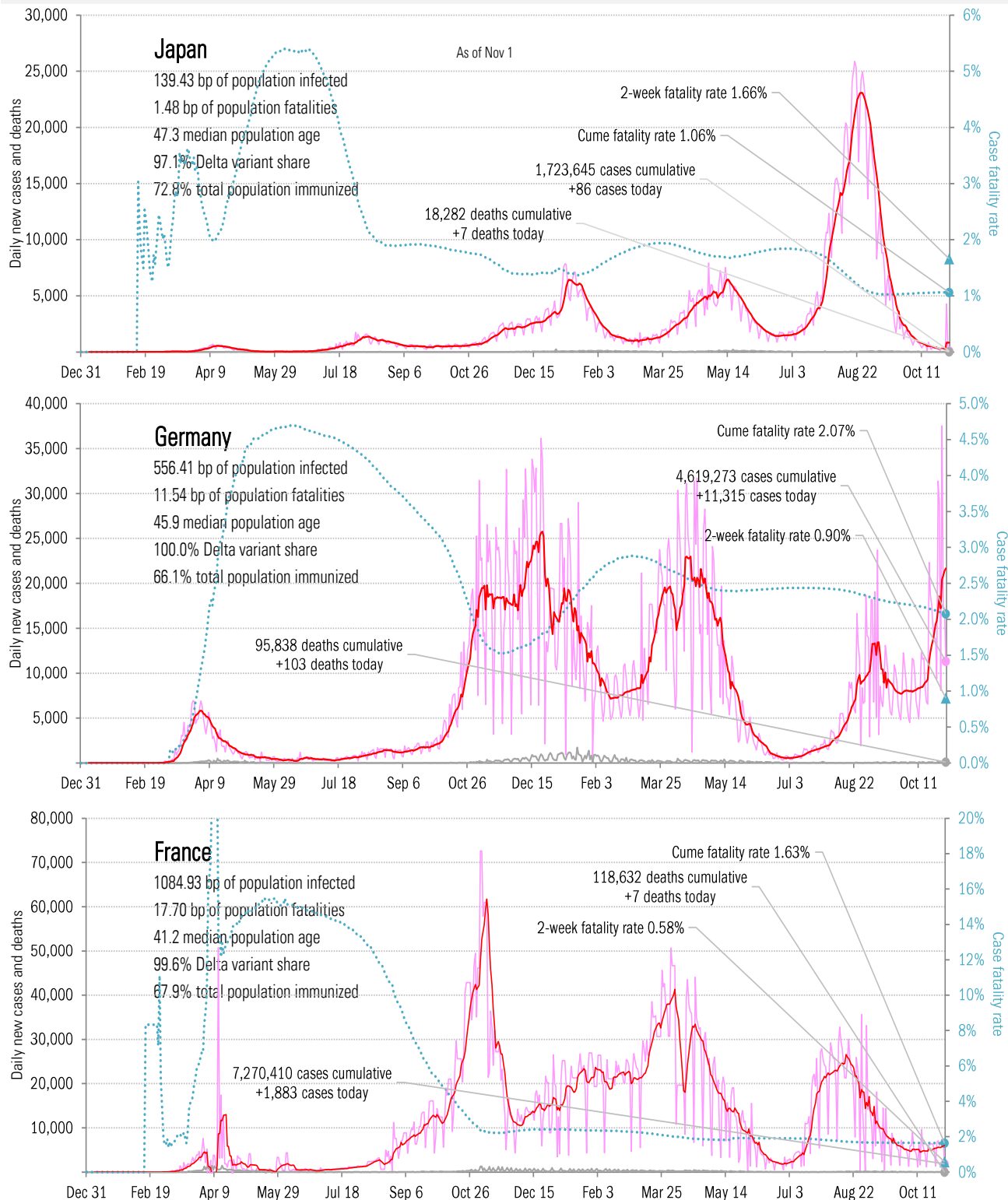
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

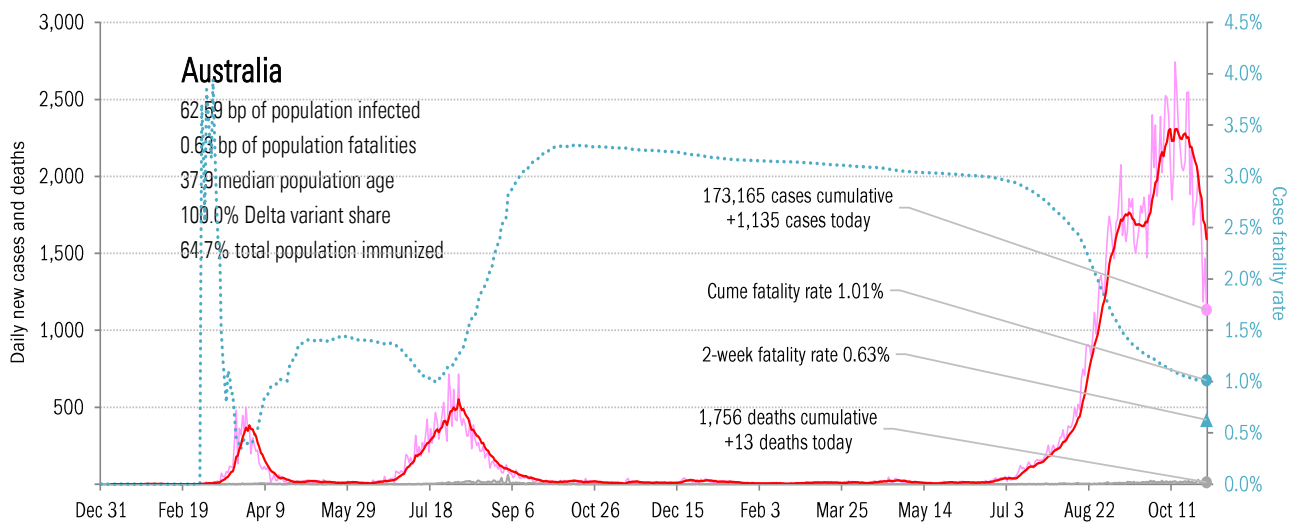
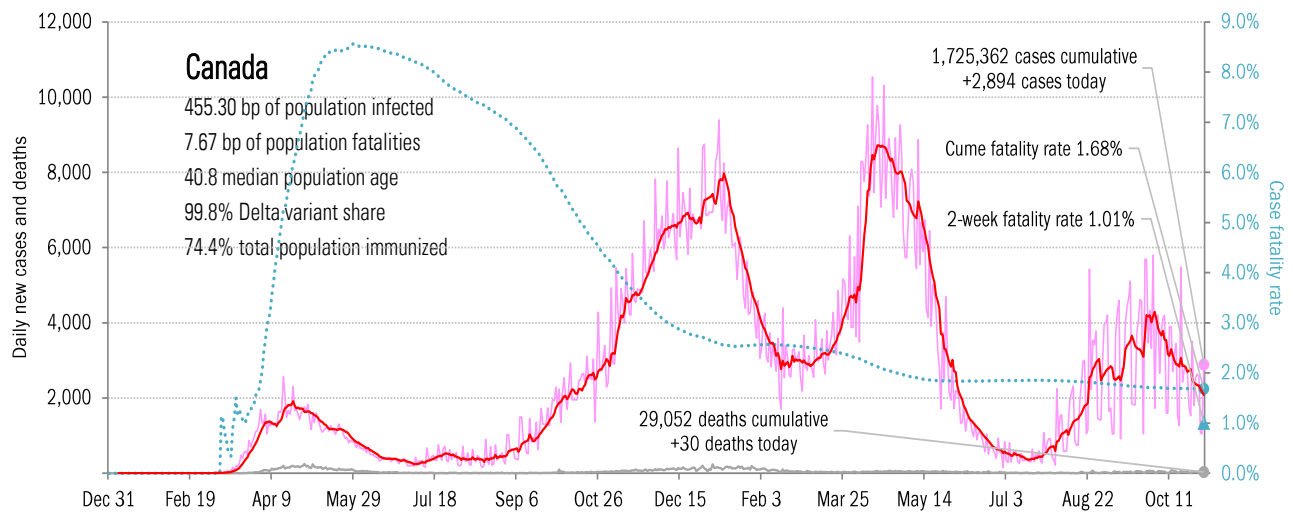
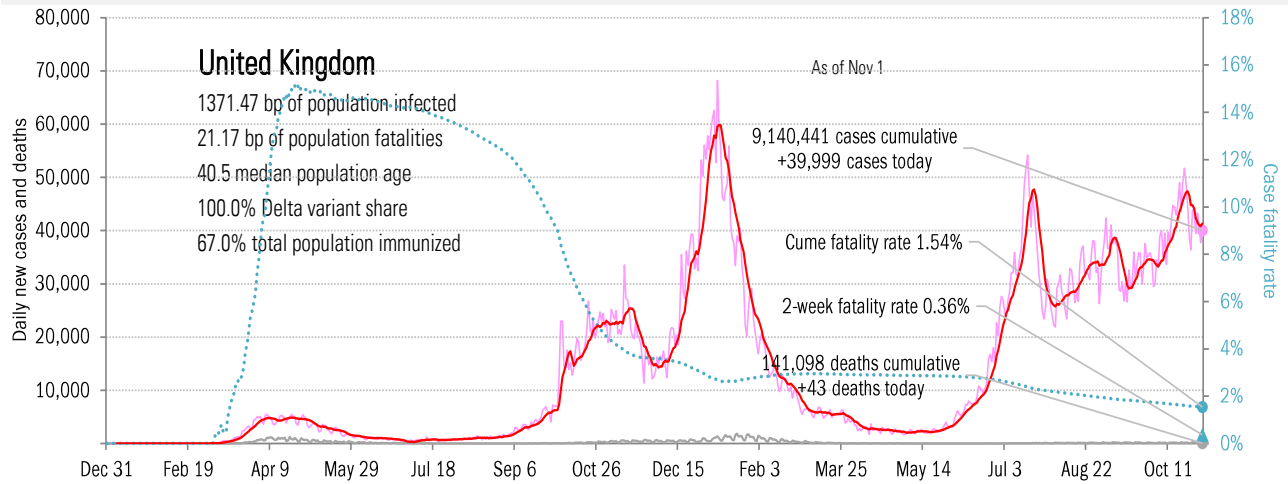
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

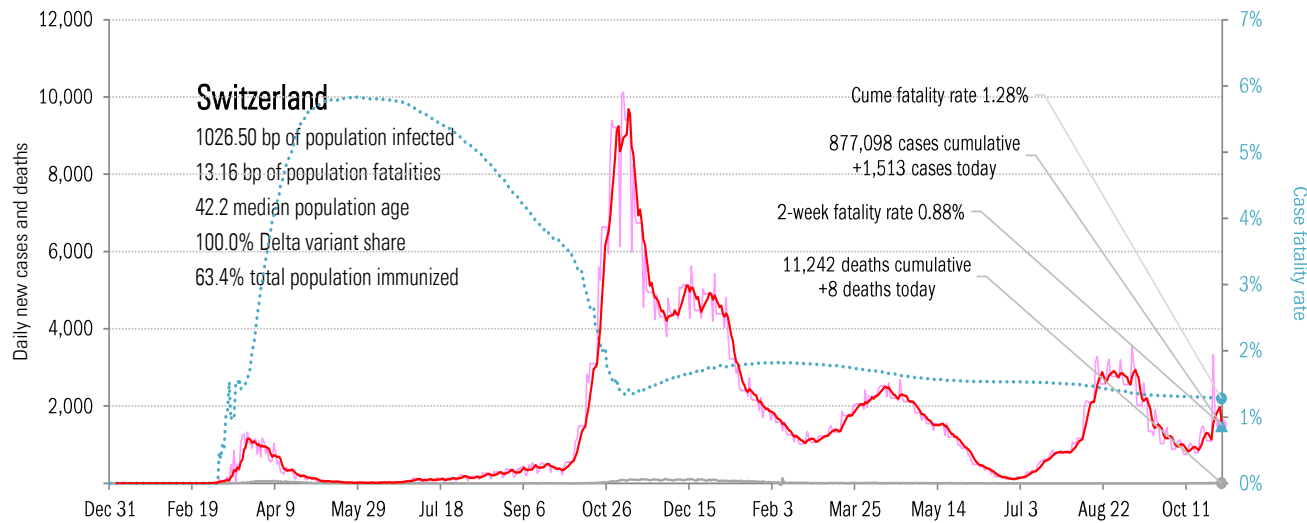
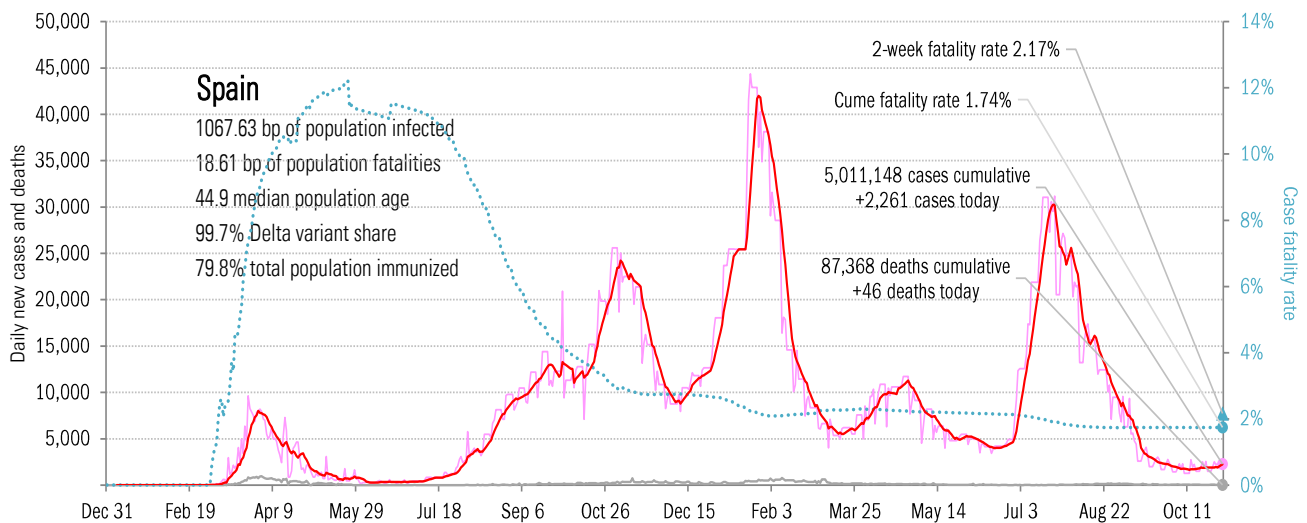
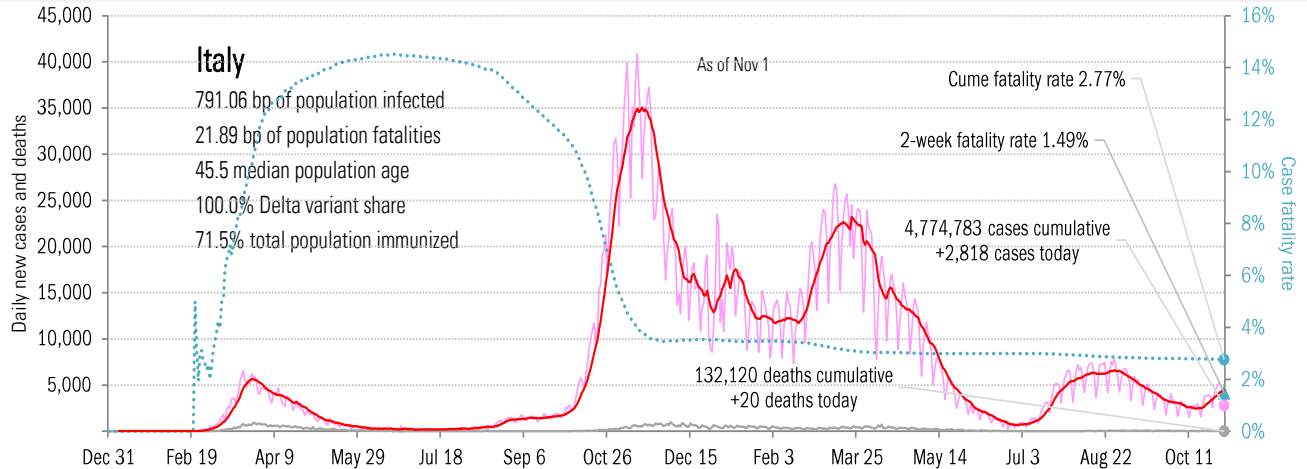


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

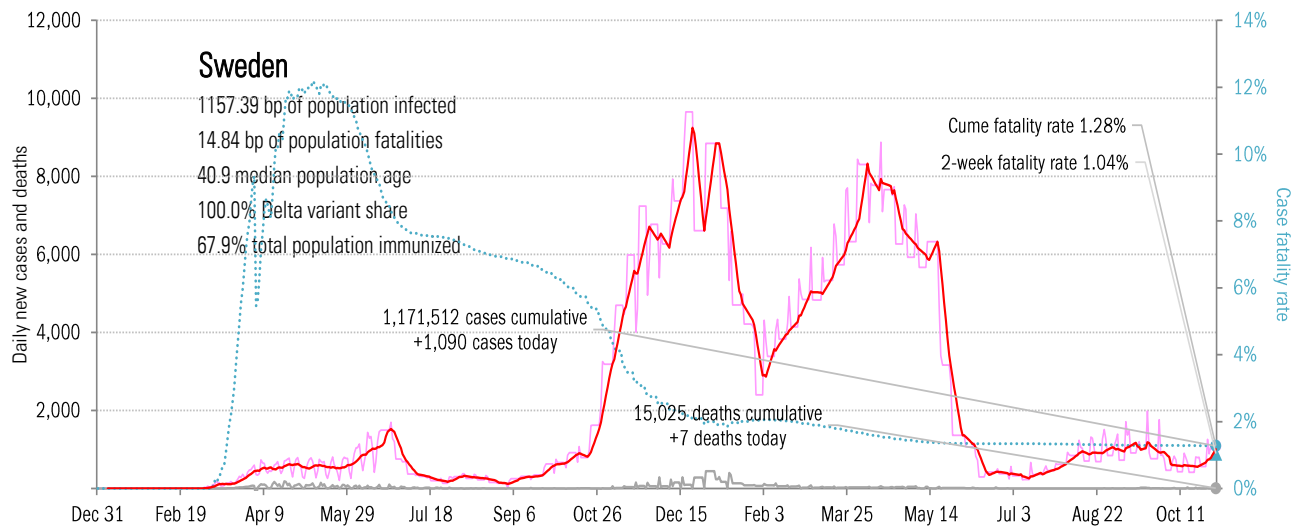
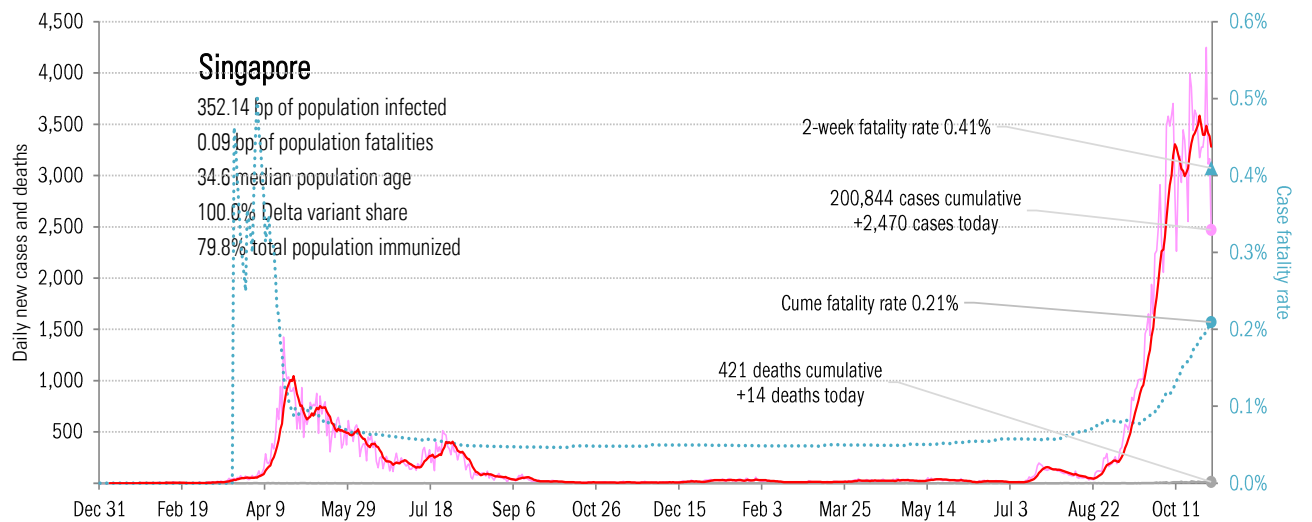
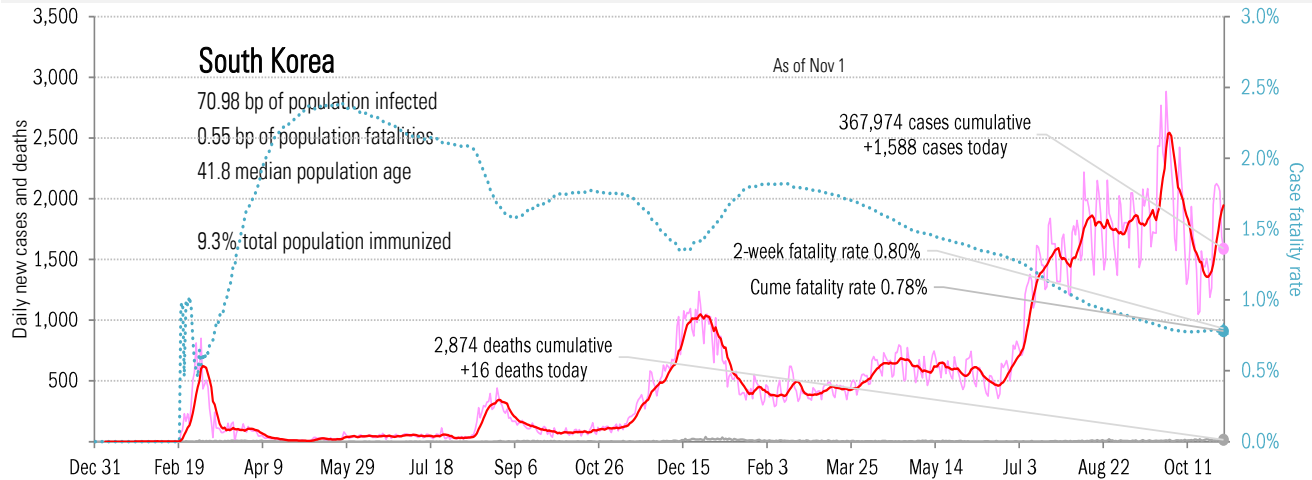
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

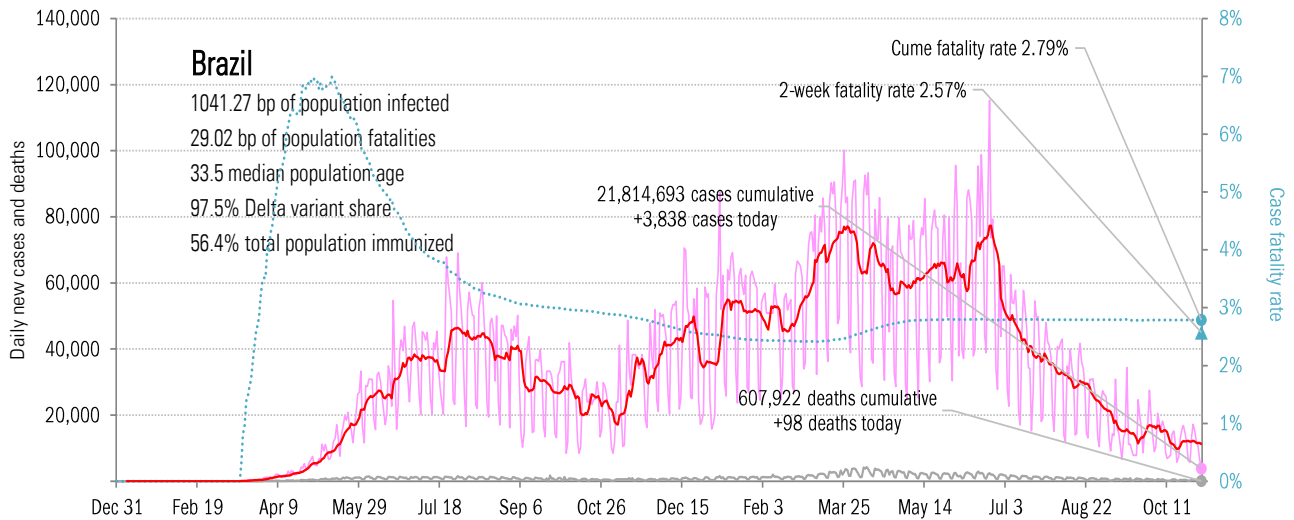
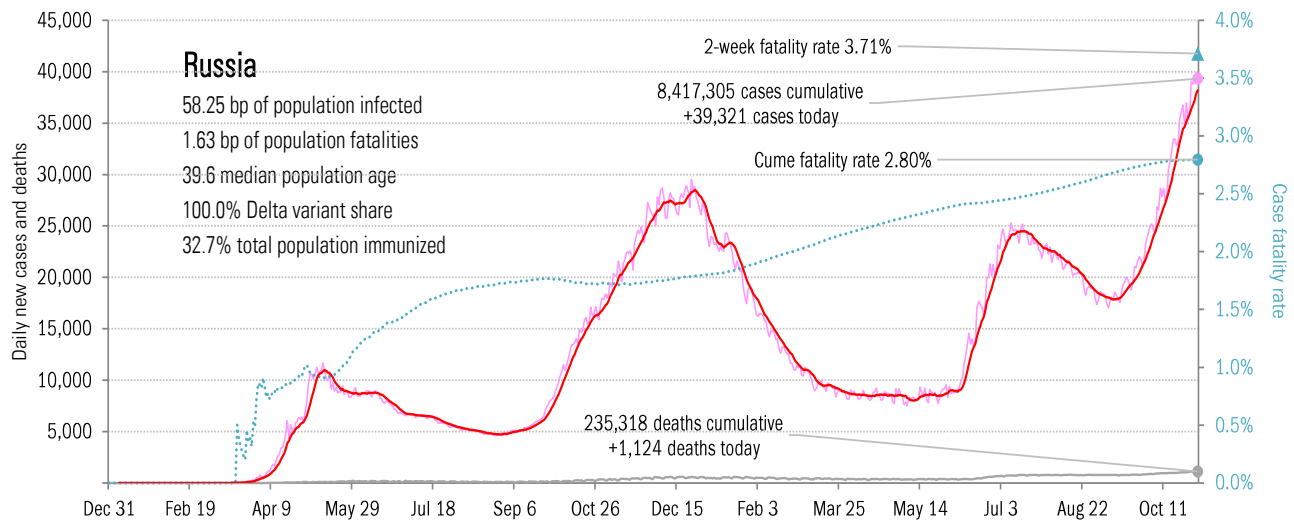
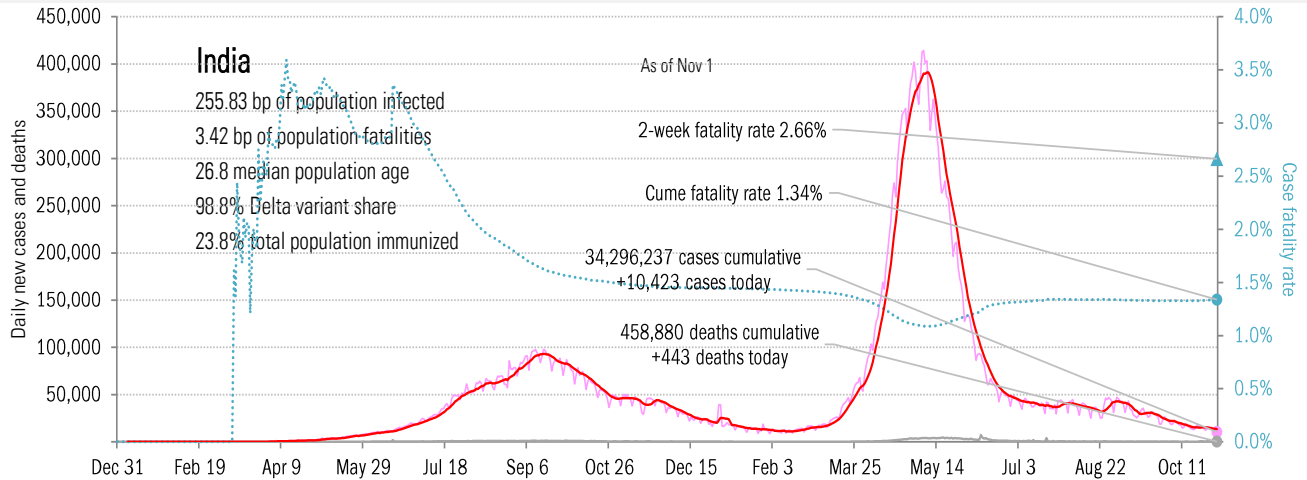
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

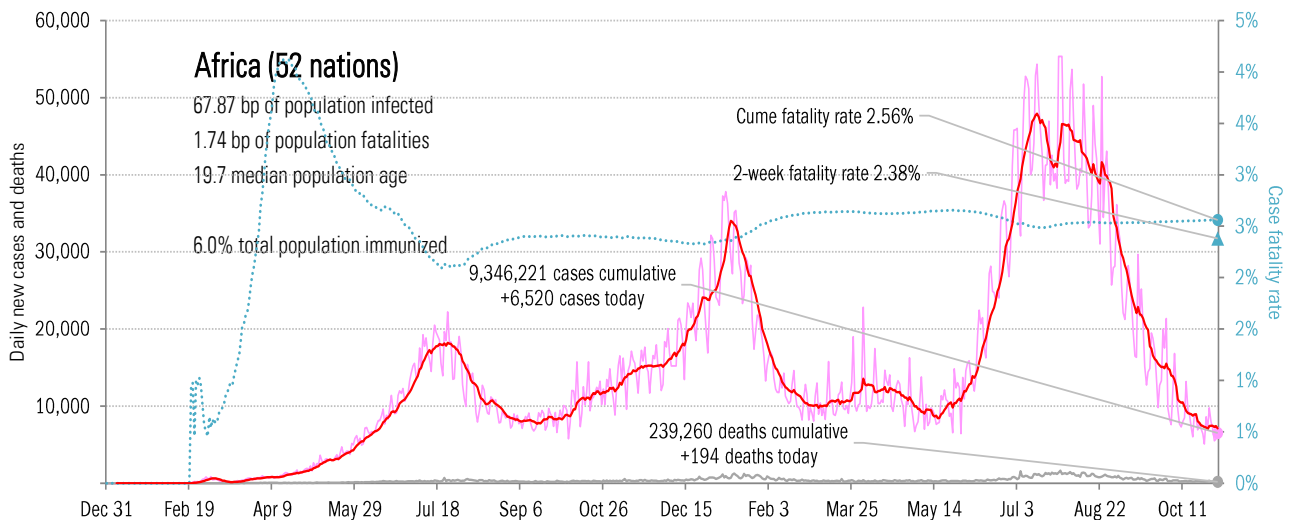
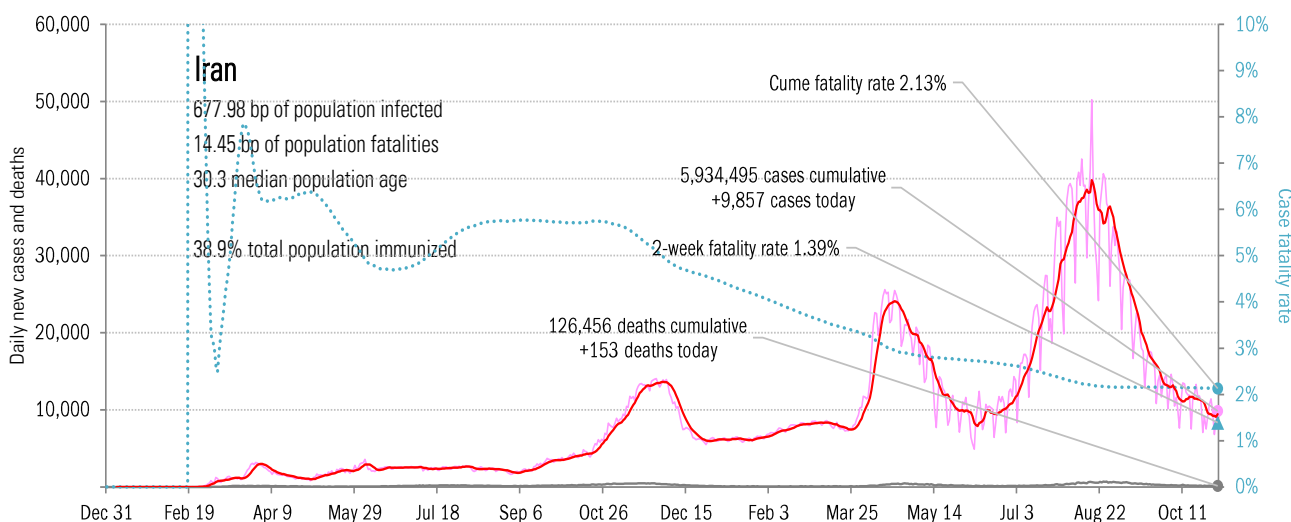
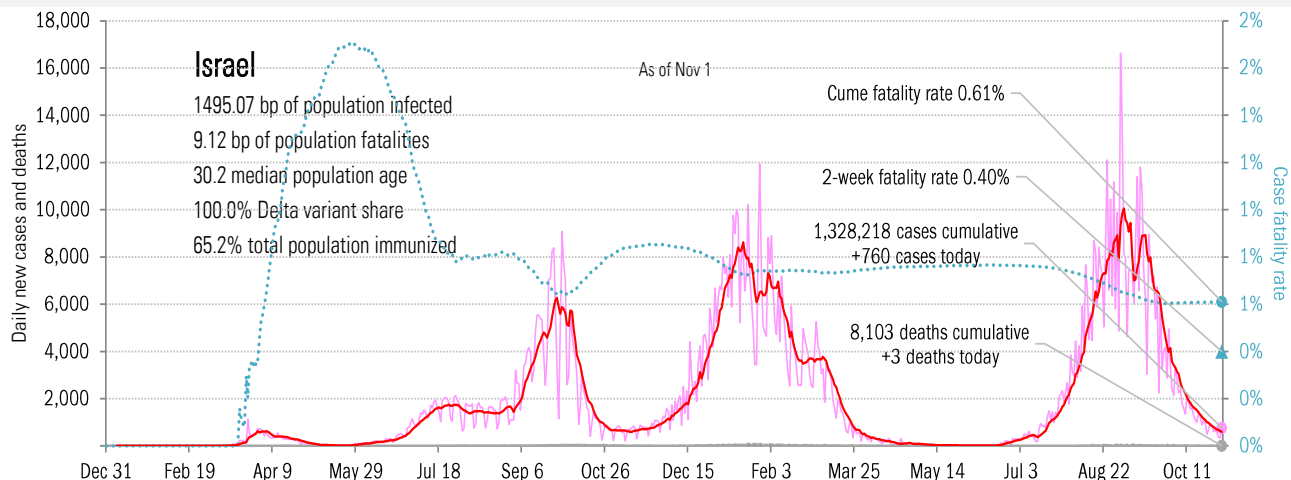
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

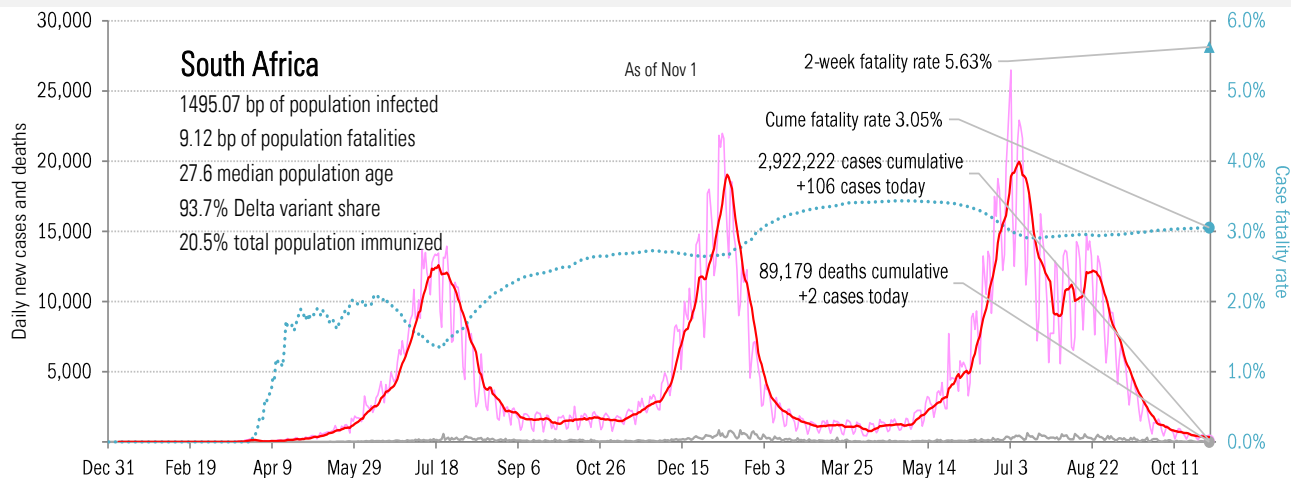
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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