

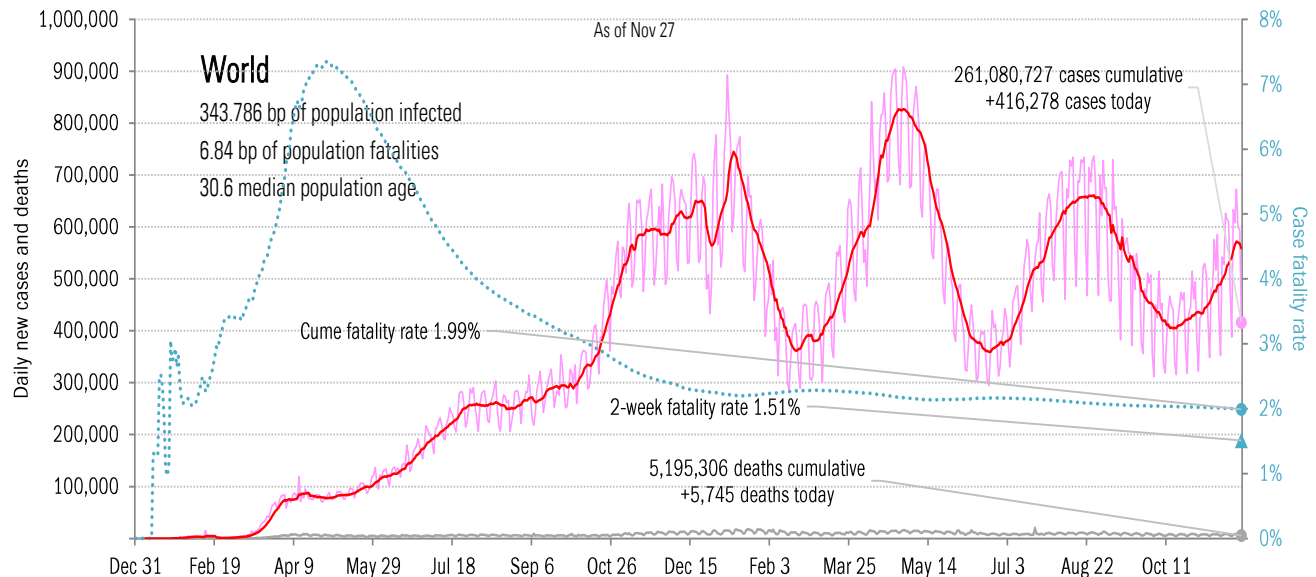
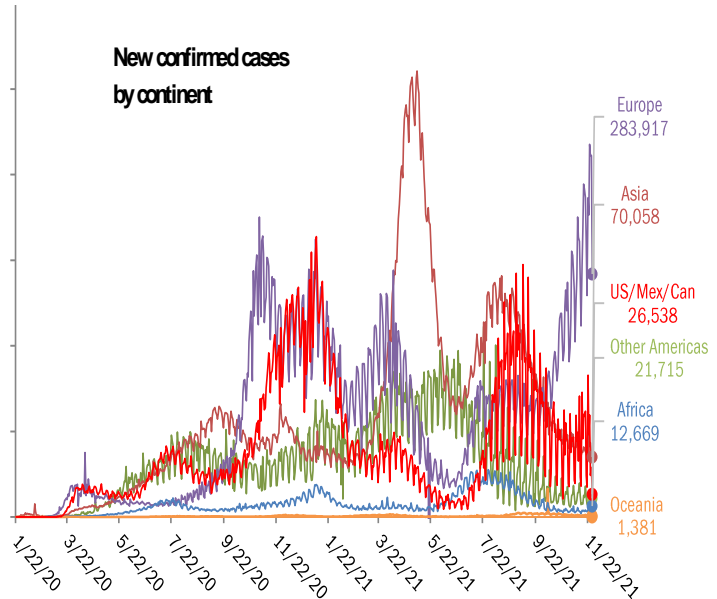
## Data Insights: Covid-2019 Monitor

Sunday, November 28, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	+44,977	Russia	+1,203
United Kingdom	+39,834	India	+621
Russia	+33,119	Ukraine	+604
Poland	+26,188	Poland	+379
United States	+24,556	Brazil	+229
Turkey	+23,759	United States	+196
Netherlands	+22,071	Turkey	+192
Czechia	+20,417	Philippines	+188
Vietnam	+16,067	Romania	+180
Ukraine	+15,027	Vietnam	+148
<b>+266,015</b>		<b>+3,940</b>	
World +416,278		World +5,745	
Top ten 64%		Top ten 69%	



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

### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

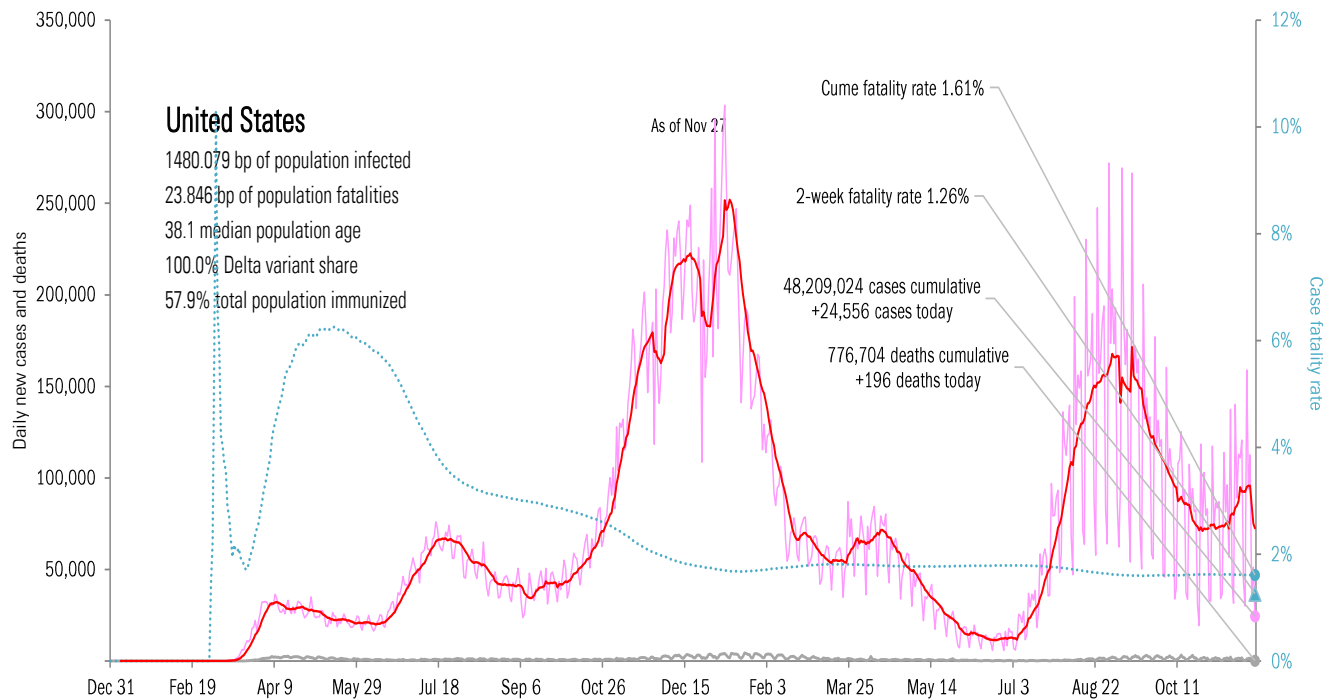
## The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
PA	+5,143		NY	+58		CH	+104		CA	5,060,666		CA	74,152		TX	383,213		RI	88%	NM	90%
CH	+4,222		AZ	+47		GA	+95		TX	4,321,134		TX	73,605		FL	323,087		MI	84%	RI	88%
AZ	+3,655		MD	+30		IL	+57		FL	3,728,064		FL	61,315		CA	319,583		MA	82%	MI	88%
NY	+3,458		CA	+23		PA	+44		NY	2,710,507		NY	57,401		NY	171,491		PA	81%	AL	85%
MD	+2,803		FL	+9		TX	+43		IL	1,784,900		PA	33,251		GA	162,948		MD	81%	DE	84%
NJ	+1,990		NJ	+9		NC	+35		PA	1,721,743		GA	30,358		CH	133,787		CT	80%	KY	84%
MO	+699		ID	+8		IN	+30		CH	1,673,496		IL	28,746		PA	125,570		WA	78%	MN	83%
CA	+618		PA	+4		NJ	+17		GA	1,659,491		NJ	28,335		KY	114,142		MN	78%	TX	82%
AR	+507		MO	+3		WI	+17		NC	1,524,078		CH	26,483		IL	109,947		MO	78%	VT	81%
ND	+369		ND	+2		NY	+15		MI	1,447,230		MI	25,244		MI	101,929		NH	78%	NE	81%
<b>+23,464</b>			<b>+193</b>			<b>+457</b>			<b>25,631,309</b>			<b>438,890</b>			<b>1,945,697</b>						
All states	+24,556			+196			+82		All states	48,209,024			776,704			3,495,568		All states	70%		67%
Top ten	96%			98%			557%		Top ten	53%			57%			56%		Median	72%		75%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	CH	-293	FL	-86	AL	+20 bp
MA	-5,298	FL	-150	MI	-53	NC	+20 bp
CH	-4,921	MN	-56	MO	-52	SD	+20 bp
NY	-4,358	SC	-36	IA	-48	IL	+20 bp
MN	-4,130	MA	-22	CO	-45	MS	+10 bp



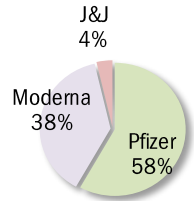
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	466,911,006	+1.234 million	US	57.9%	68.8%
Boosters	75,522,147	million	UK	67.8%	74.5%
	<b>One dose</b>	<b>% Pop</b>	France	69.2%	76.6%
Total population	237,181,739	71%	Spain	80.4%	81.9%
Age 12 to 17	14,578,933	61%	Germany	67.6%	70.2%
Age 18 to 64	161,412,632	79%	Italy	72.8%	77.9%
Age 65 and over	56,597,161	100%	Australia	71.9%	77.1%
			Israel	62.1%	67.6%
			Canada	76.0%	79.3%
			Japan	76.8%	79.0%
			Africa	7.1%	10.6%
			India	30.1%	55.6%
			Brazil	60.0%	75.9%
			China	74.5%	84.8%

Because of the Thanksgiving Day holiday, the CDC did not update its vaccine database.

Every American >18 immunized in **168 days** by May 10, 2022  
 72.7% of population >18 immunized  
 14.3% previously tested positive  
**87.0%** vs 60% adult herd immunity



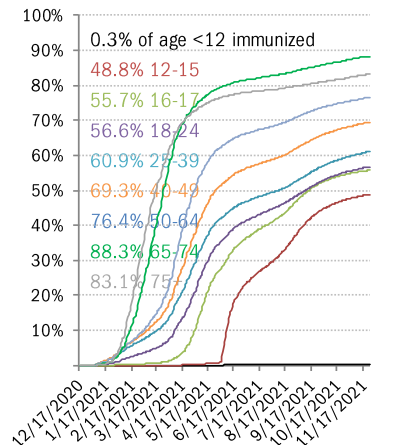
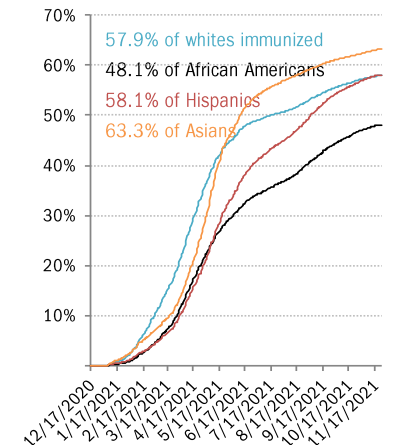
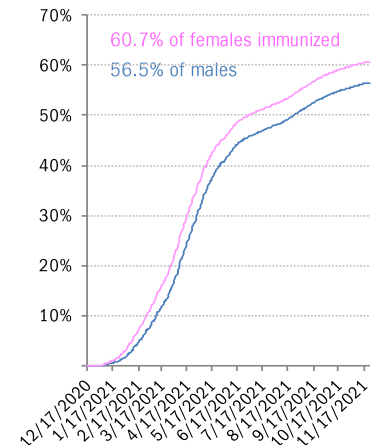
State	Best	Middle	Worst
At least partial immunity as % population	Blue	Purple	Red
Full immunity as % population	Blue	Purple	Red

<b>AK</b>
62.3%
54.0%

As of Nov 24

					<b>WI</b>						<b>ME</b>
					65.4%						81.4%
					59.3%						72.1%
<b>WA</b>	<b>ID</b>	<b>MT</b>	<b>ND</b>	<b>MN</b>	<b>IL</b>	<b>MI</b>		<b>NY</b>	<b>VT</b>	<b>NH</b>	
72.3%	50.5%	59.4%	57.6%	68.5%	68.7%	60.8%		77.5%	84.6%	86.3%	
64.8%	45.1%	51.7%	48.6%	62.2%	61.4%	54.4%		68.2%	72.7%	64.6%	
<b>OR</b>	<b>NV</b>	<b>WY</b>	<b>SD</b>	<b>IA</b>	<b>IN</b>	<b>OH</b>	<b>PA</b>	<b>NJ</b>	<b>MA</b>		
71.0%	65.9%	53.2%	66.3%	62.2%	55.5%	58.0%	80.8%	78.4%	85.0%		
63.8%	54.2%	45.3%	54.3%	56.5%	50.5%	52.8%	58.0%	67.5%	70.8%		
<b>CA</b>	<b>UT</b>	<b>CO</b>	<b>NE</b>	<b>MO</b>	<b>KY</b>	<b>WV</b>	<b>VA</b>	<b>MD</b>	<b>CT</b>	<b>RI</b>	
78.2%	63.7%	70.9%	63.7%	59.4%	59.9%	53.8%	74.9%	76.4%	83.3%	82.4%	
62.8%	55.2%	62.9%	57.2%	50.8%	51.9%	41.5%	64.6%	67.2%	71.7%	72.2%	
	<b>AZ</b>	<b>NM</b>	<b>KS</b>	<b>AR</b>	<b>TN</b>	<b>NC</b>	<b>SC</b>	<b>DC</b>	<b>DE</b>		
	63.8%	76.0%	65.7%	60.0%	56.5%	69.4%	59.8%	80.6%	71.4%		
	54.4%	63.3%	54.4%	49.1%	49.4%	54.0%	51.2%	64.1%	60.9%		
			<b>OK</b>	<b>LA</b>	<b>MS</b>	<b>AL</b>	<b>GA</b>				
			62.3%	55.3%	53.7%	56.2%	58.6%				
			51.3%	48.7%	46.9%	46.0%	49.4%				
			<b>TX</b>								
			63.7%								
			54.5%								
								<b>FL</b>		<b>PR</b>	
								71.3%		84.2%	
								61.0%		73.9%	

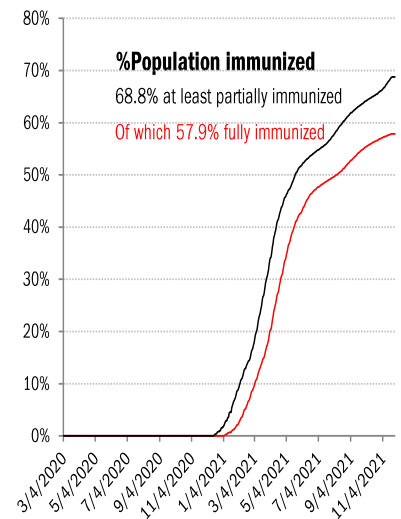
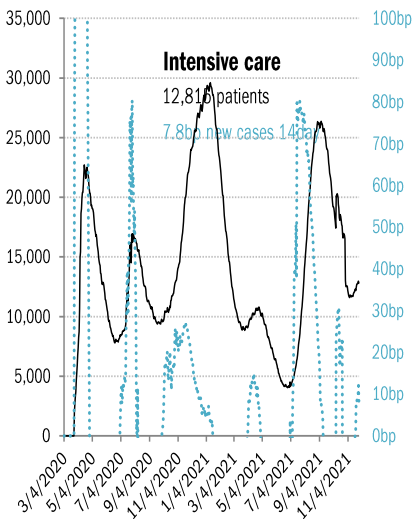
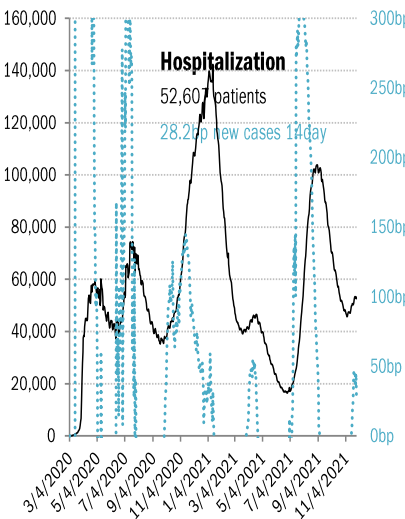
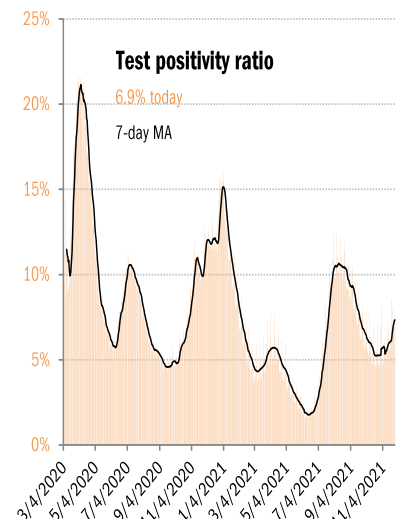
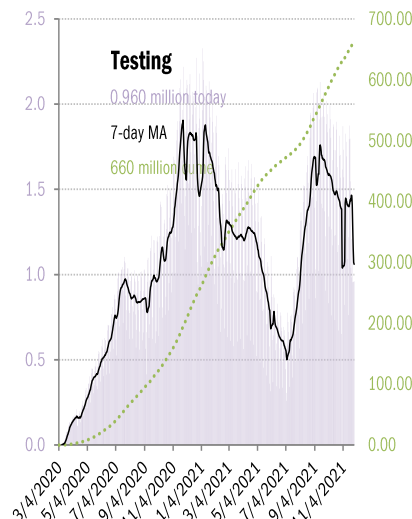
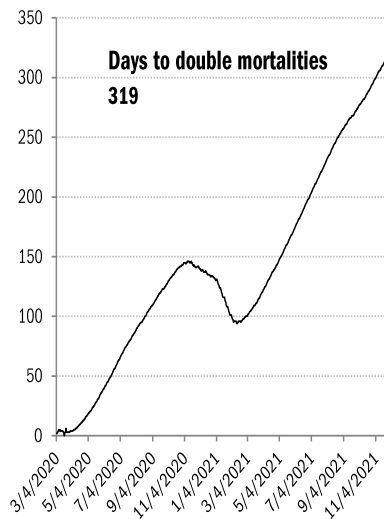
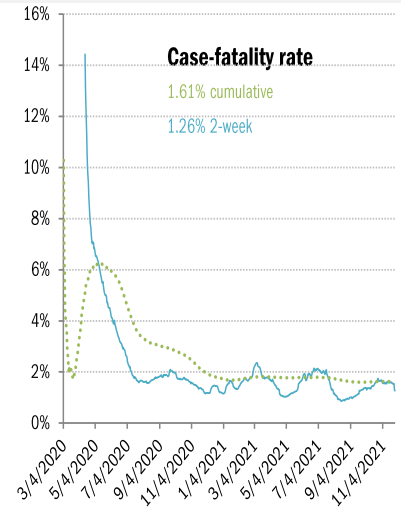
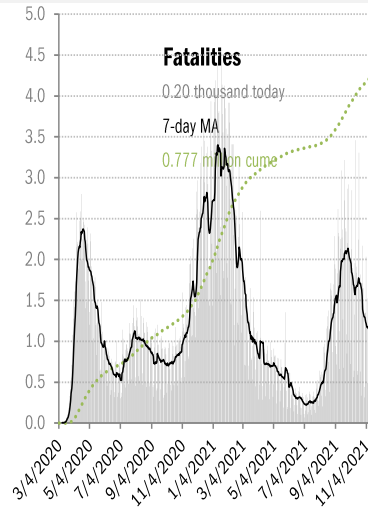
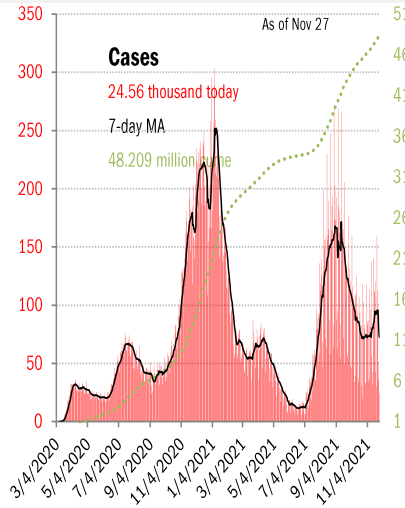
## The demographics of US vaccination



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

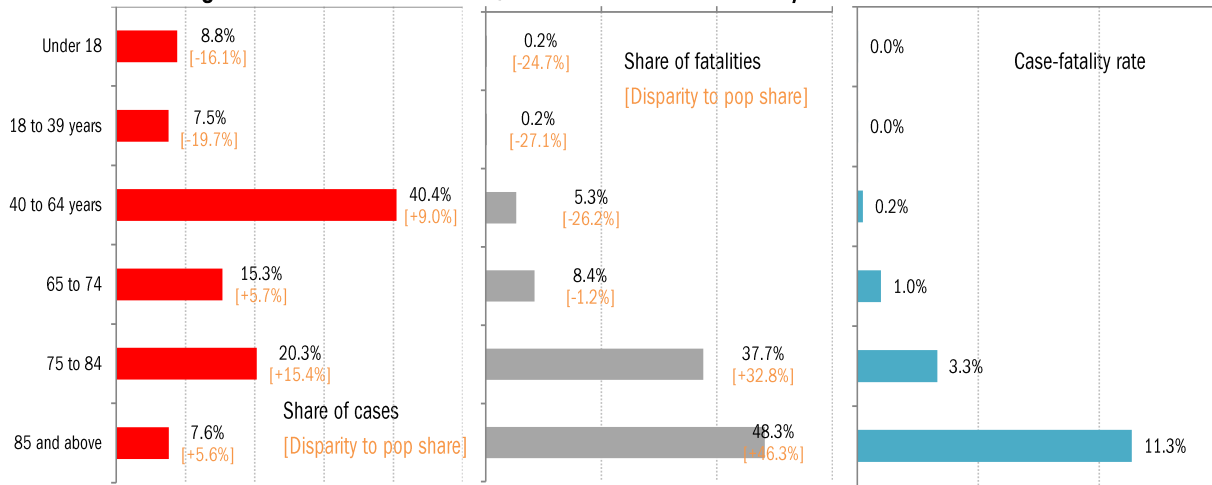
# US deep-dive

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

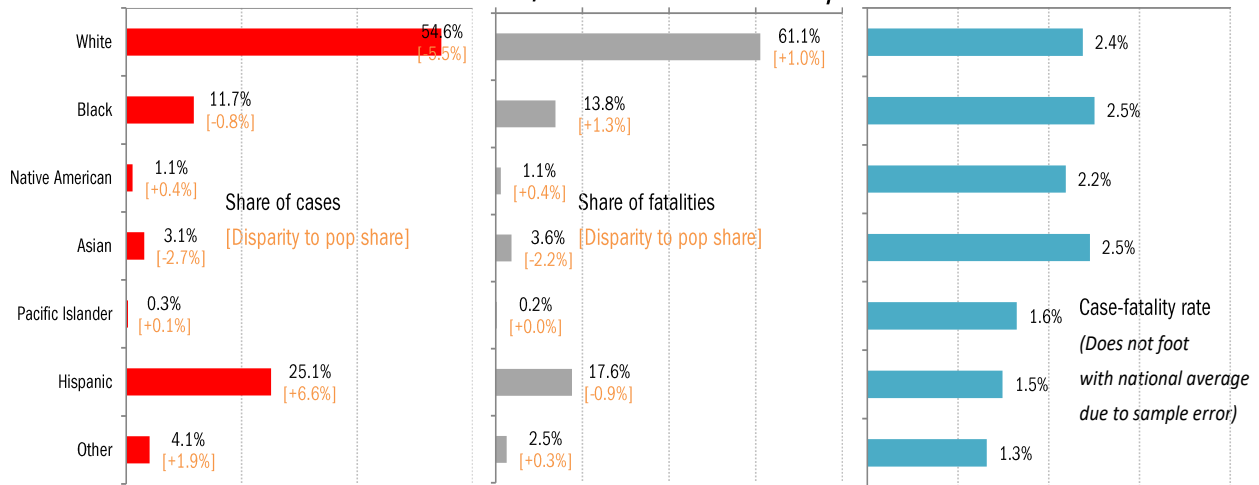


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

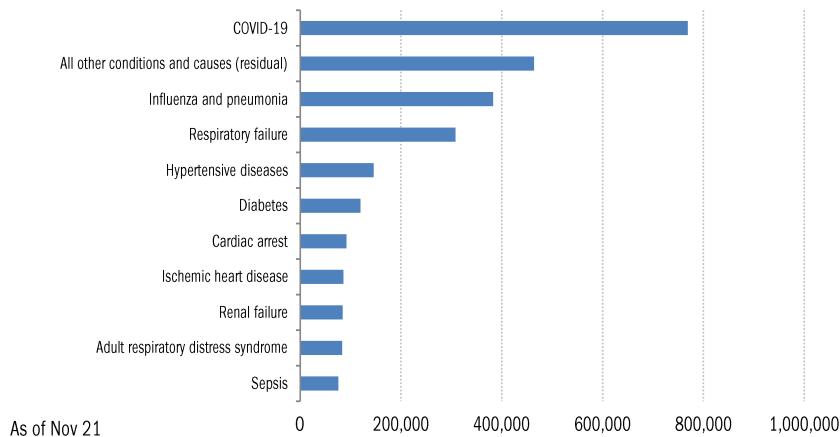


Racial distribution of US cases, fatalities and case-fatality rates



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

[The Government is still fighting the wrong war on Covid-19](#)

Matt Ridley  
*The Telegraph*  
November 27, 2021

[N.Y. to Offer Boosters at Nursing Homes After State of Emergency](#)

Stacie Sherman  
*Bloomberg*  
November 27, 2021

[U.K. Announces New Measures to Confront Spread of Omicron](#)

Ros Krasny and Andrew Davis  
*Bloomberg*  
November 27, 2021

[South African doctor who raised alarm about omicron variant says symptoms are 'unusual but mild'](#)

Peta Thornycroft and Will Brown IN NAIROBI  
*The Telegraph*  
November 27, 2021

## Meme of the day

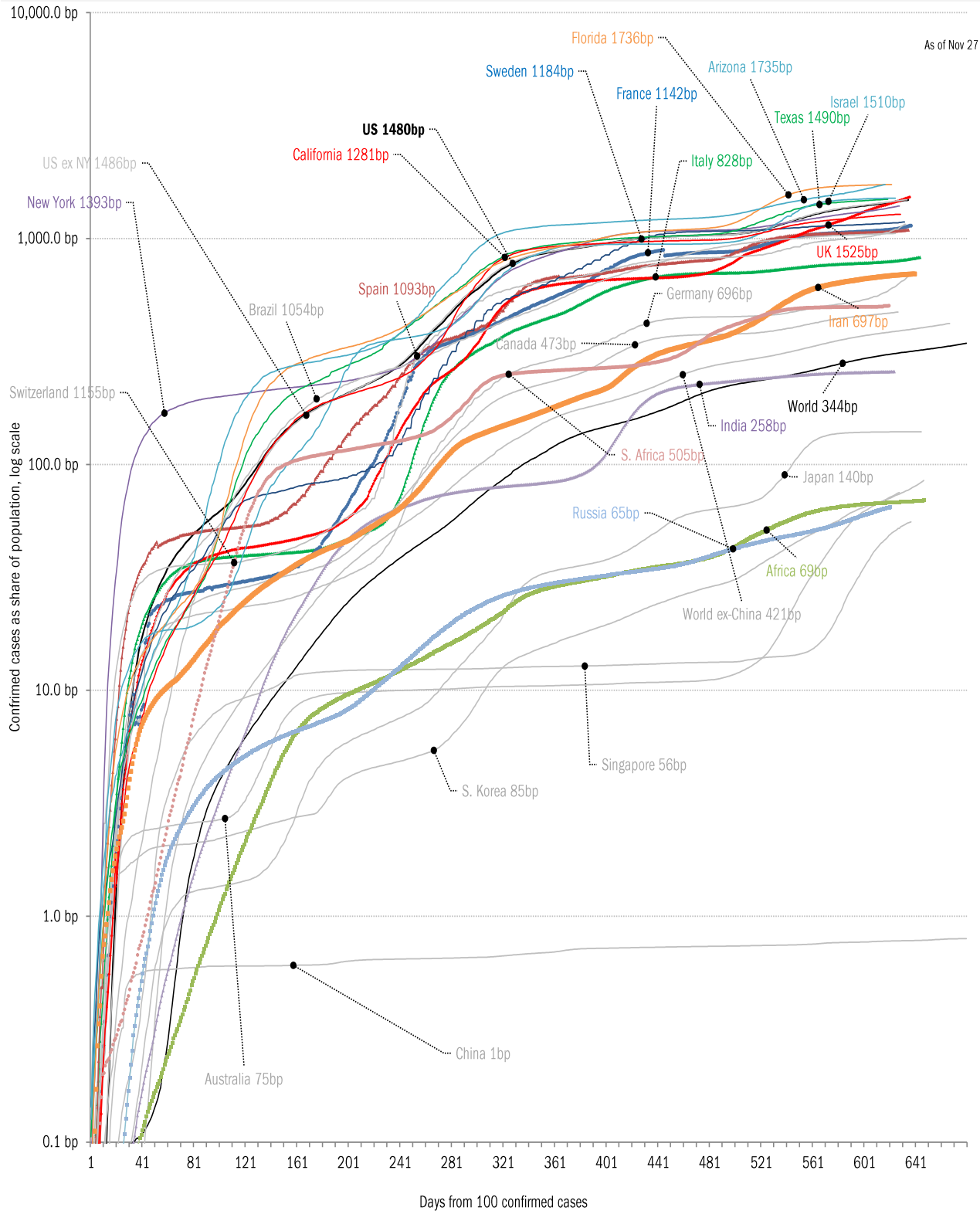


## Racist Joe Biden Bans Travel From Africa

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

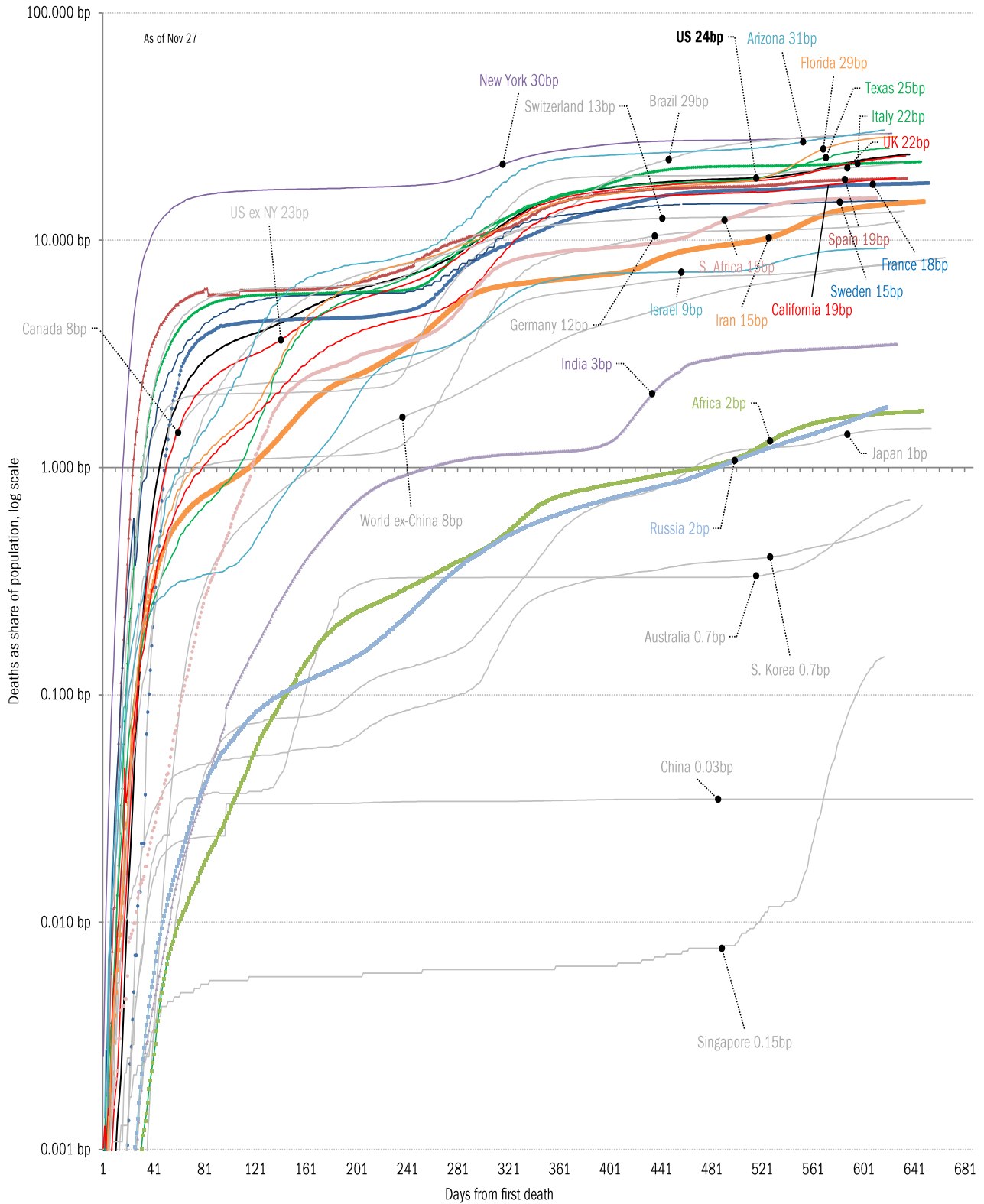


The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



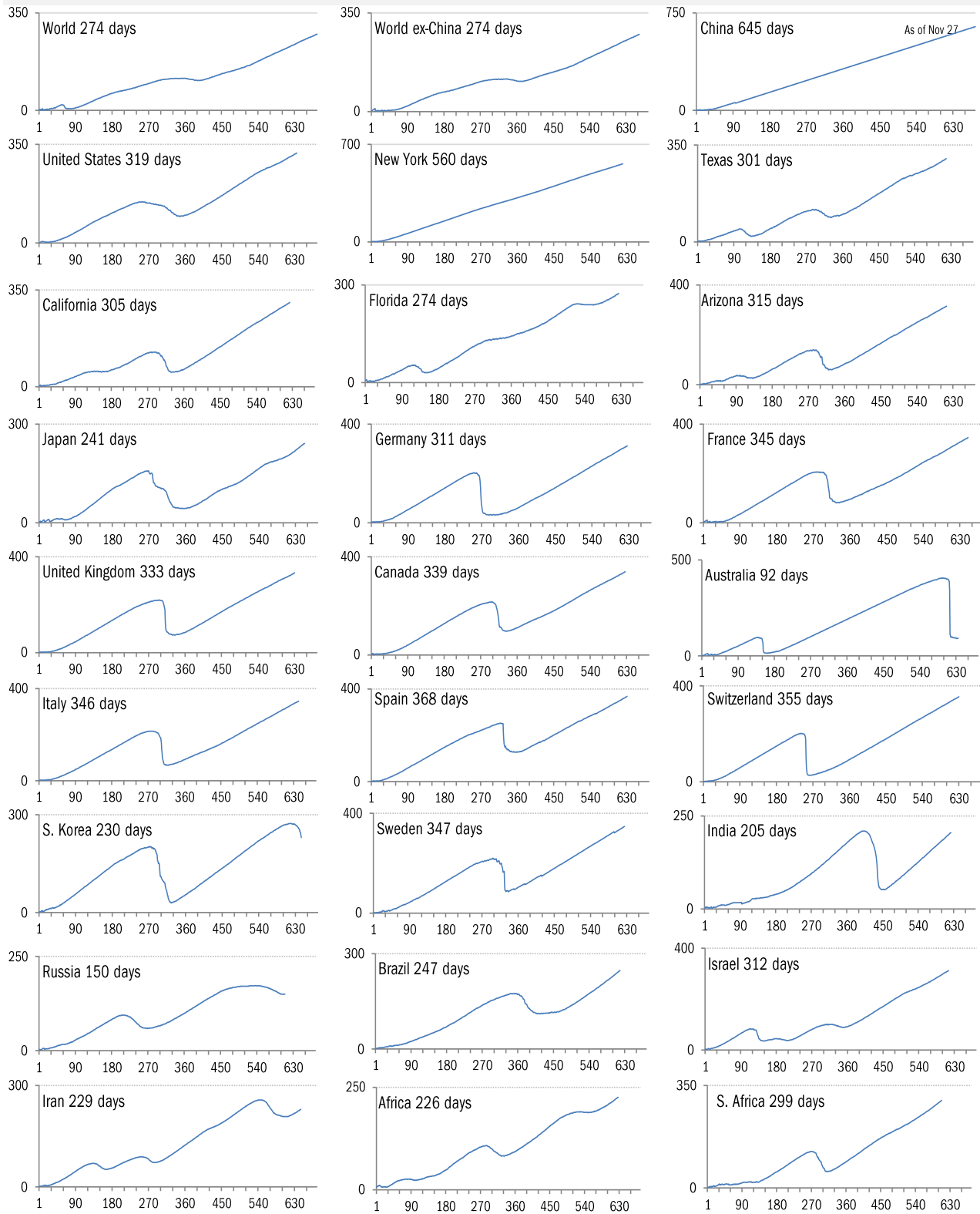
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

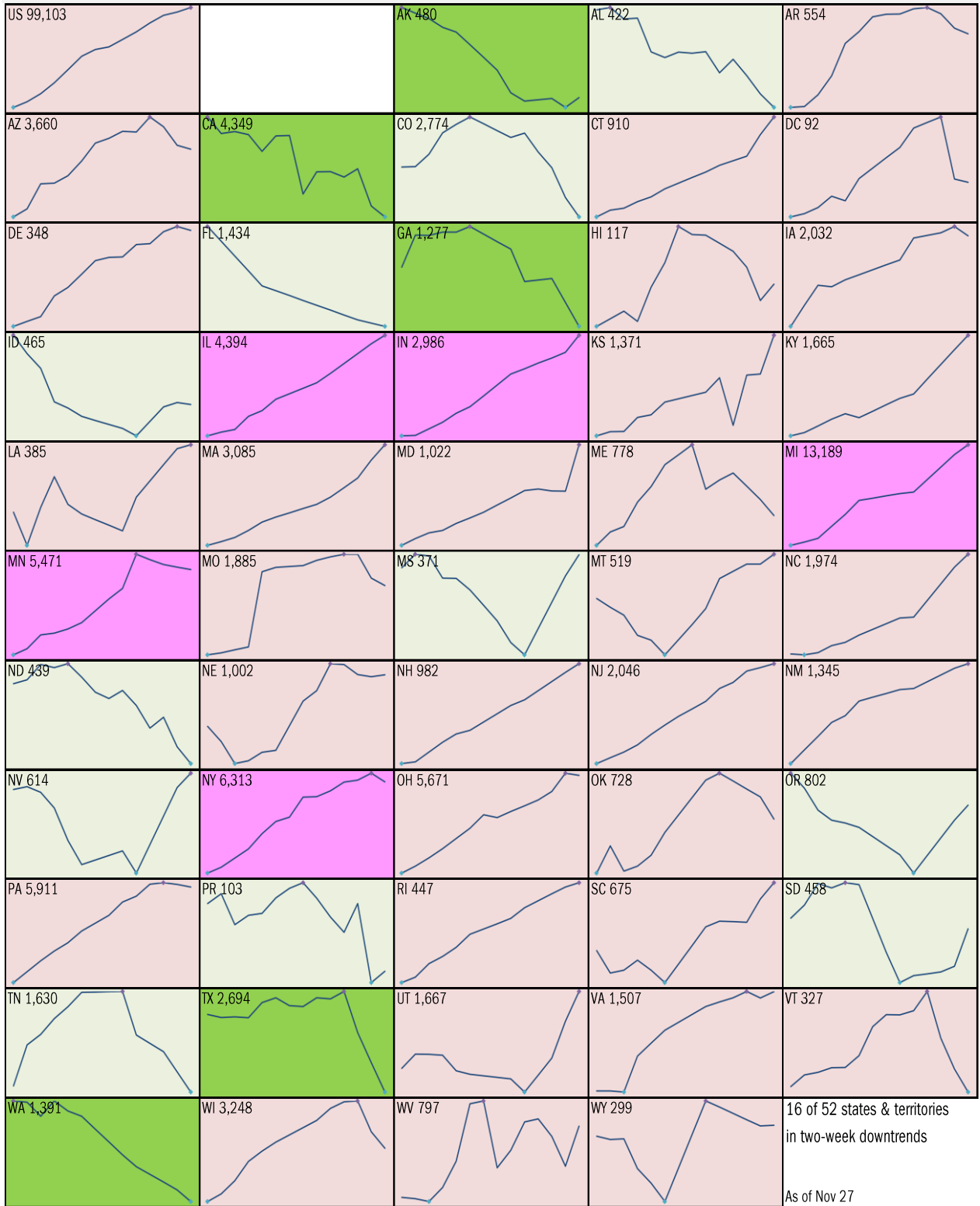


Source: [Johns Hopkins](#), TrendMacro calculations

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

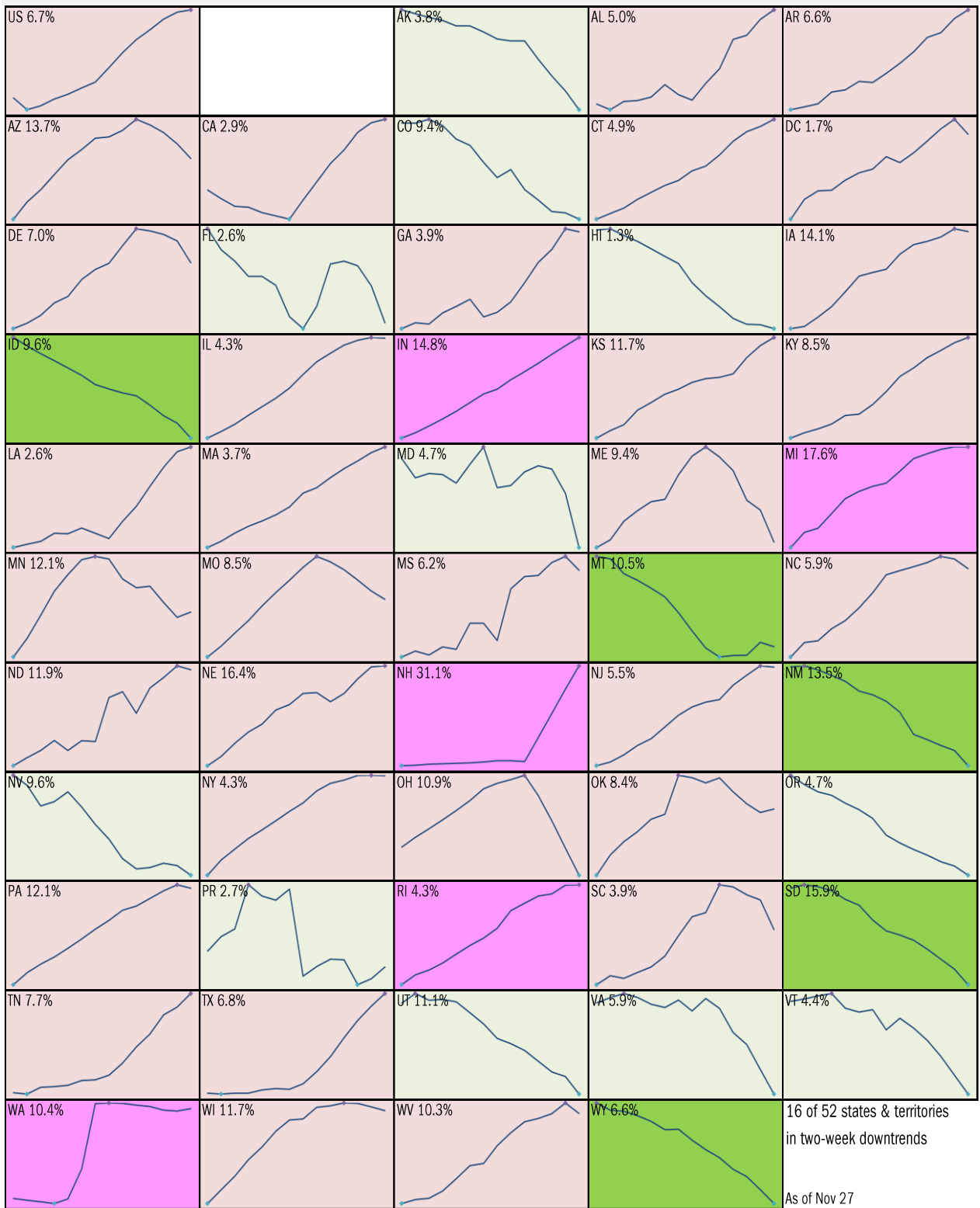


Source: [Johns Hopkins](#), TrendMacro calculations

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

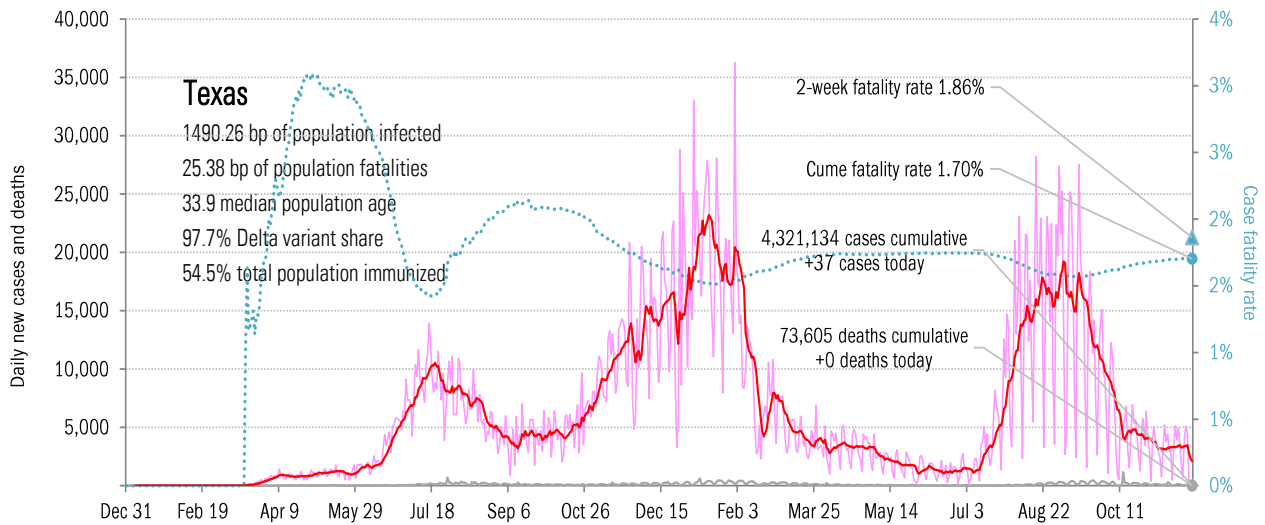
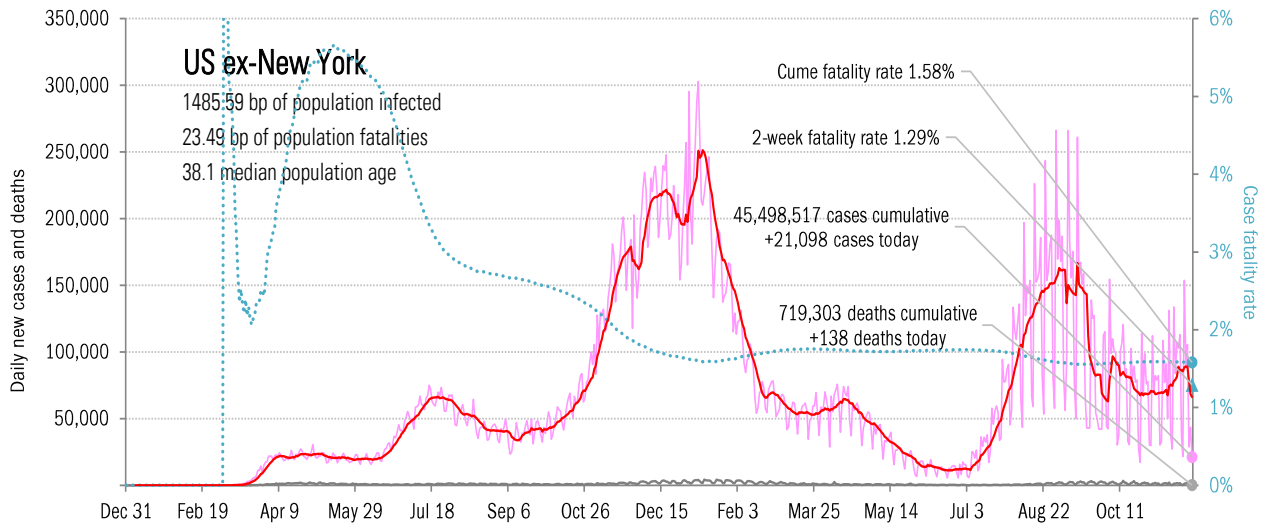
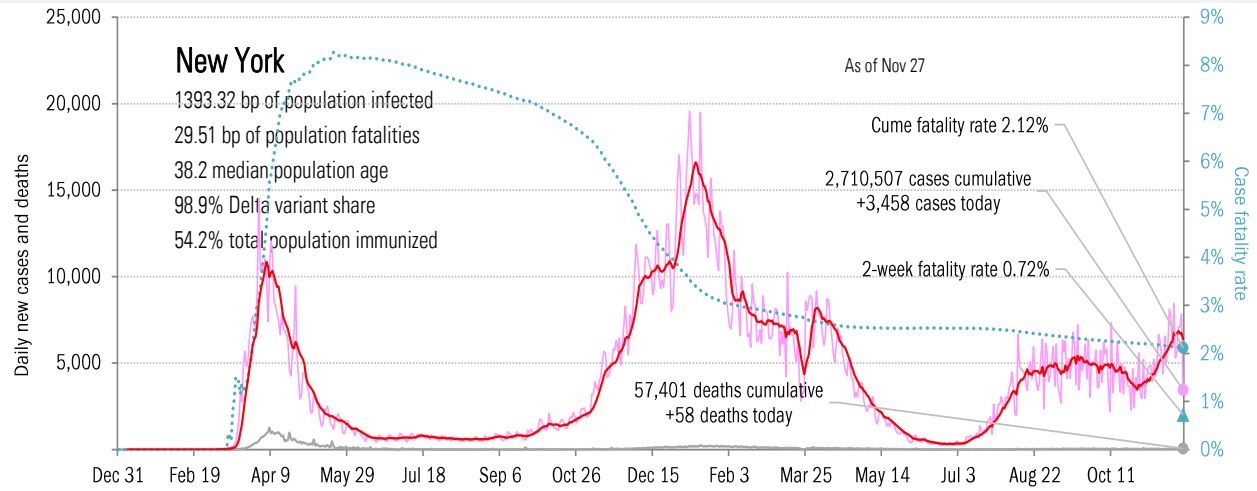
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

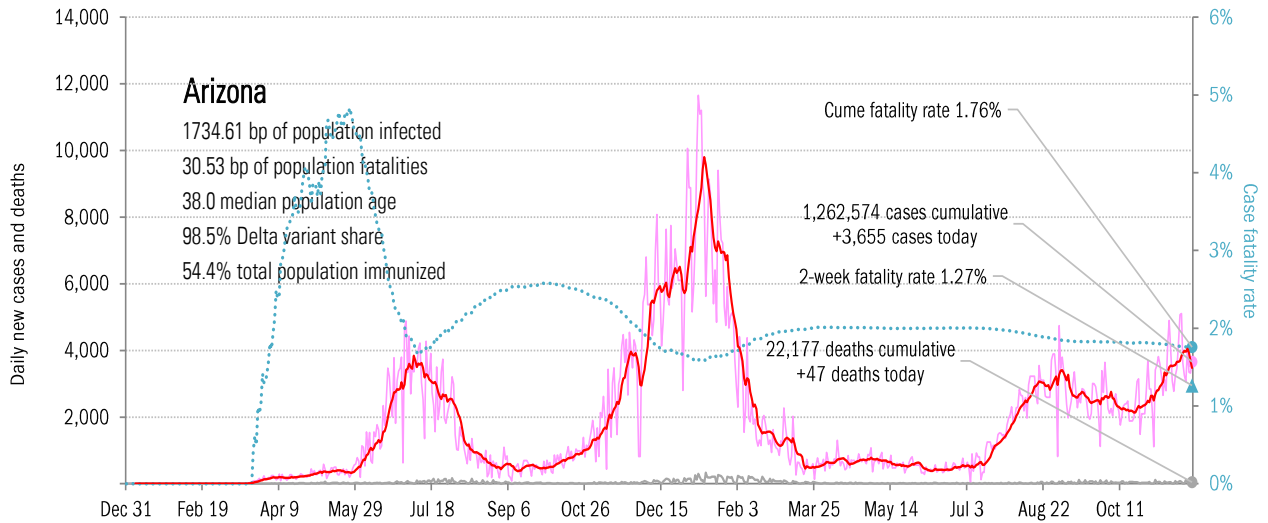
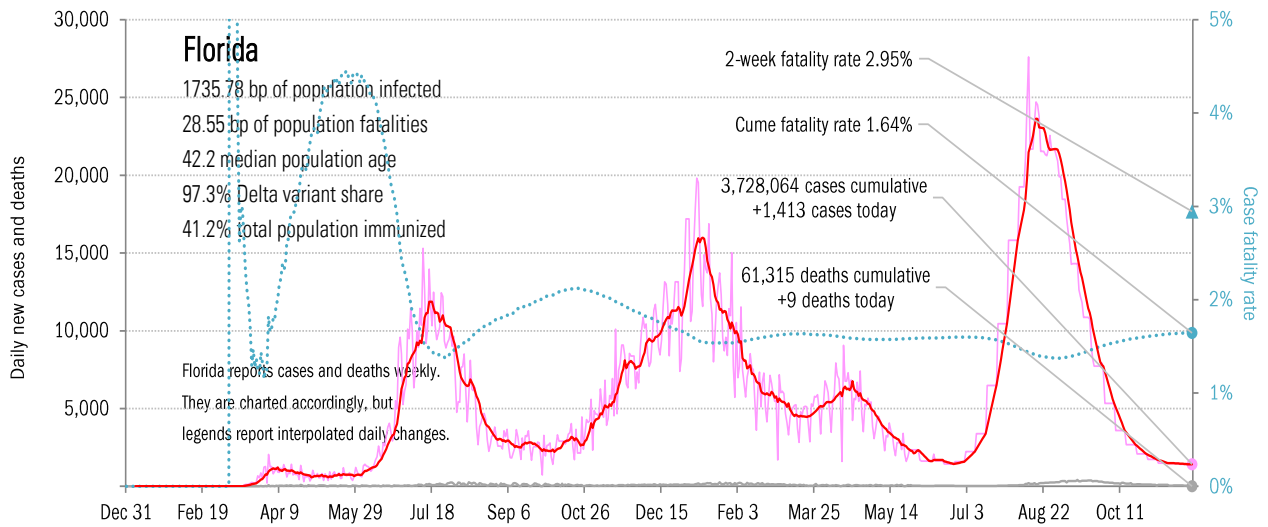
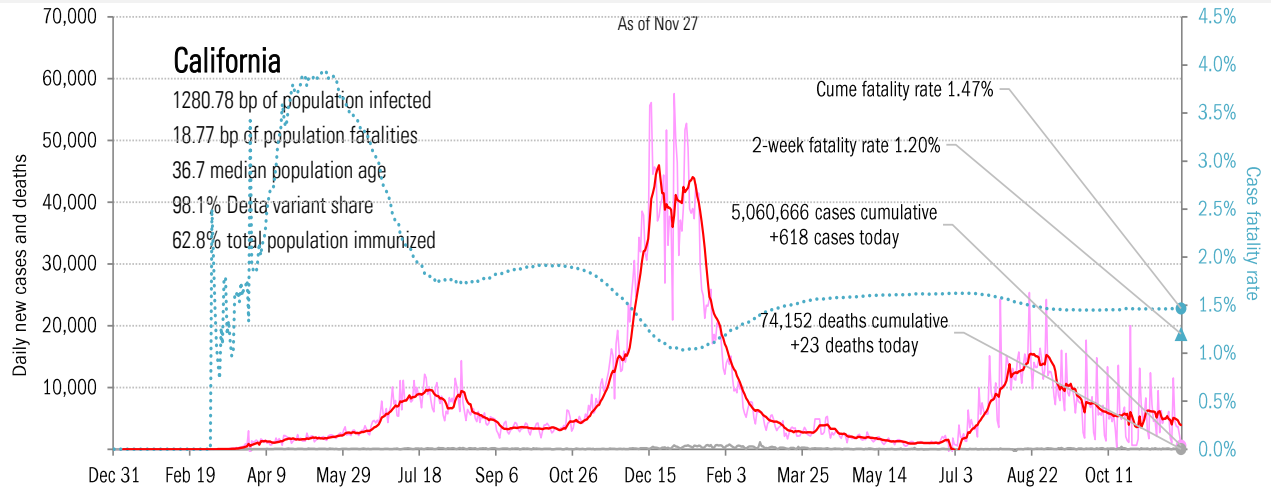
Cases: 7-day average and daily Deaths: Daily



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

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

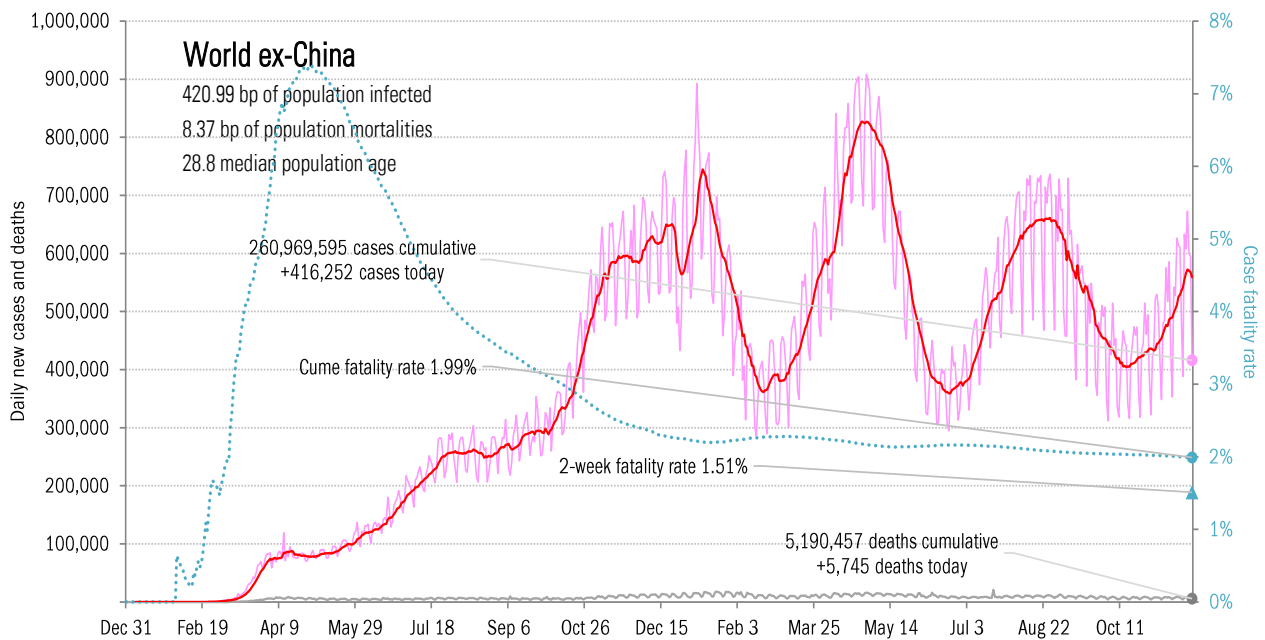
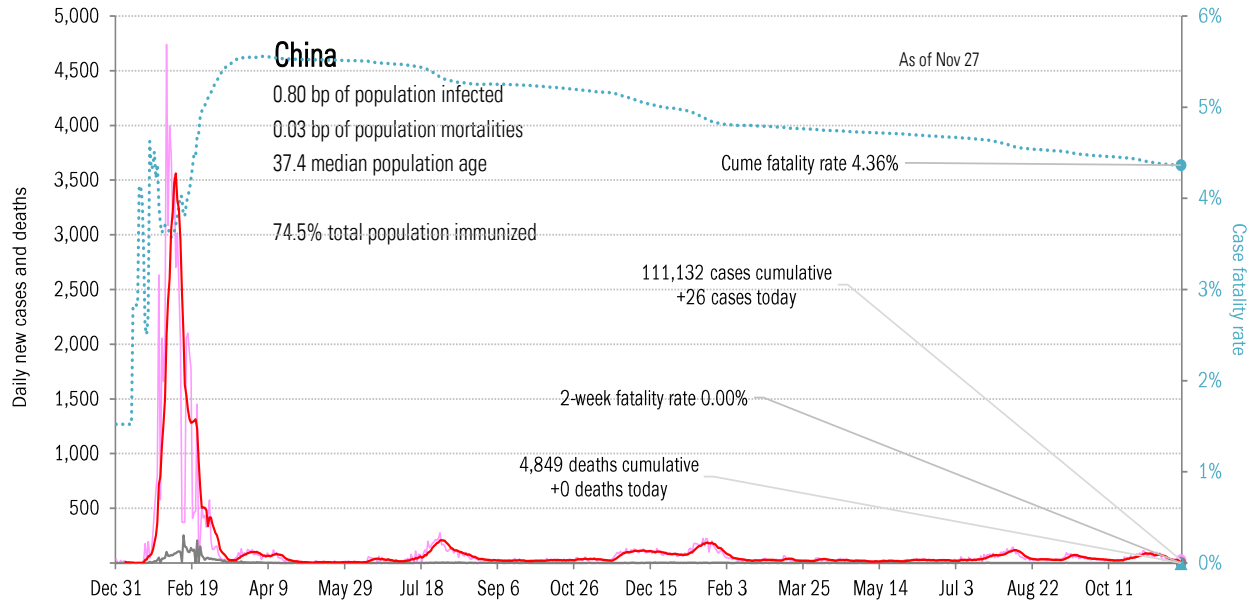
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

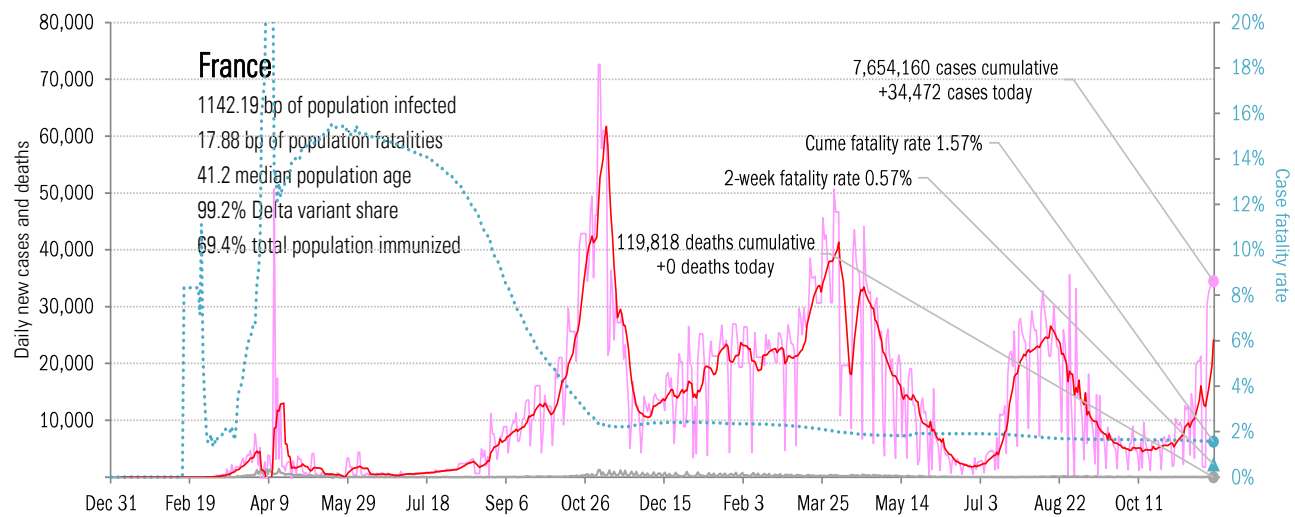
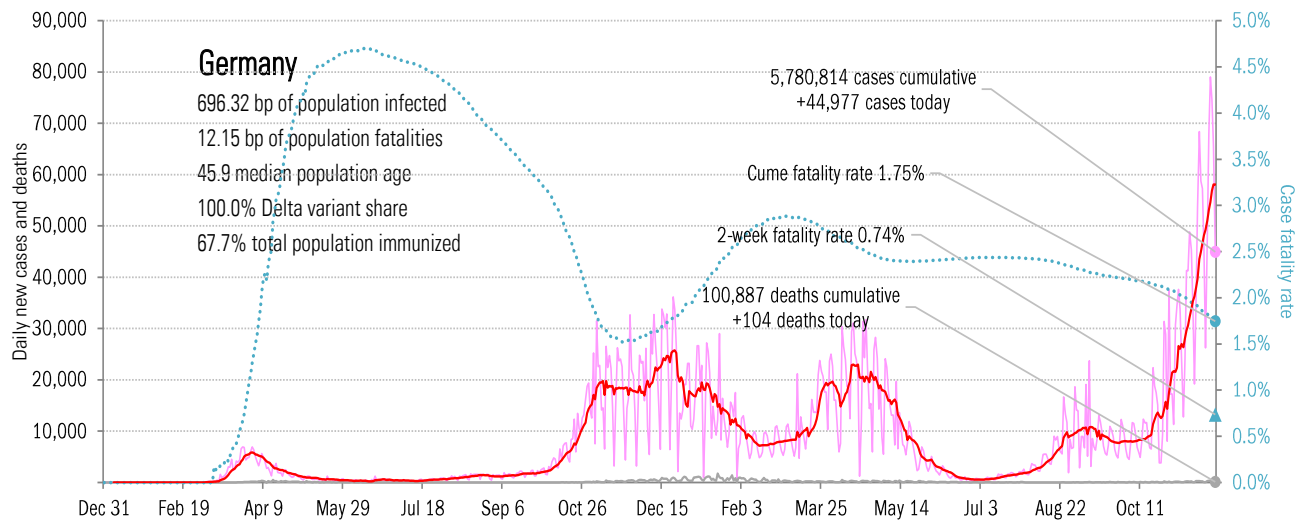
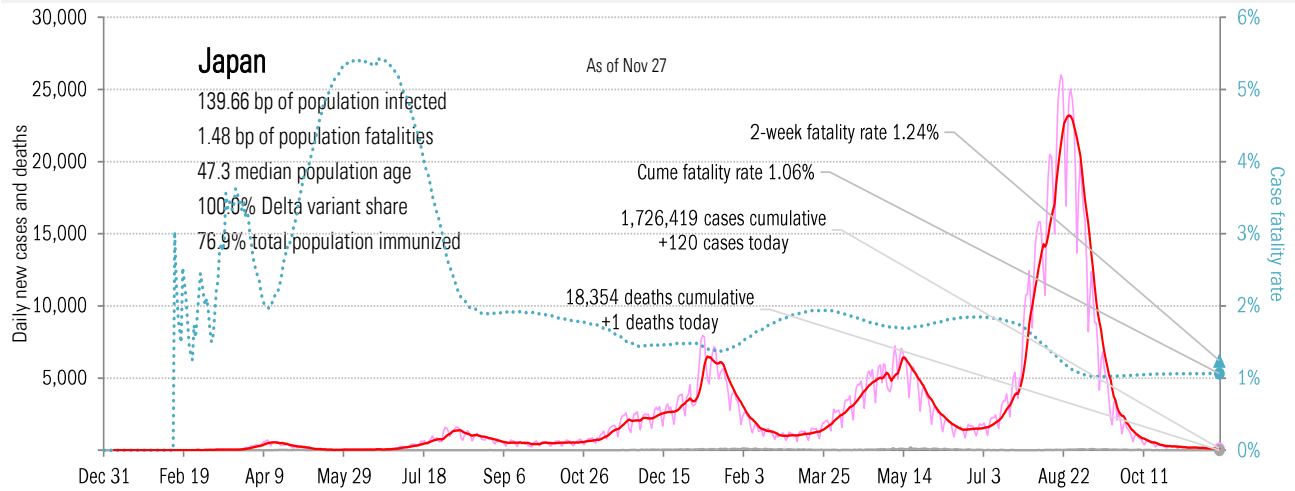


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

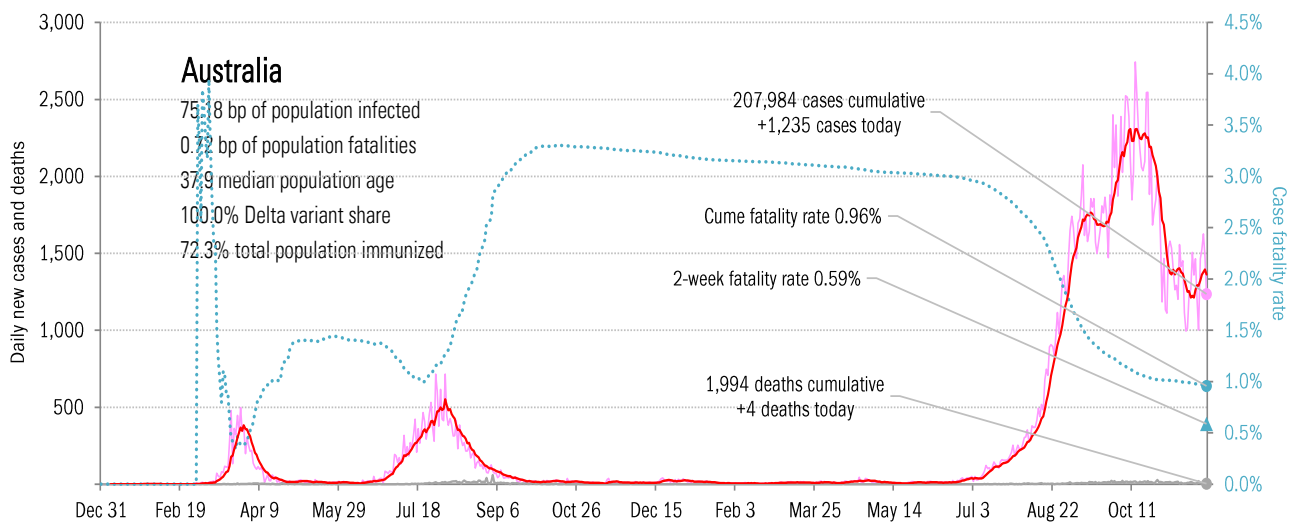
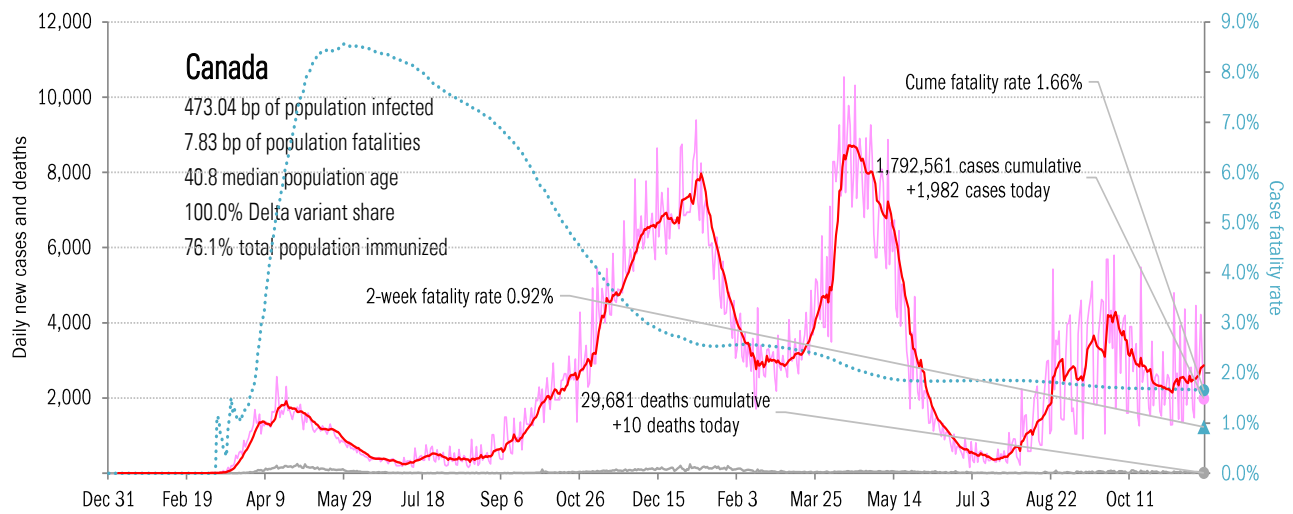
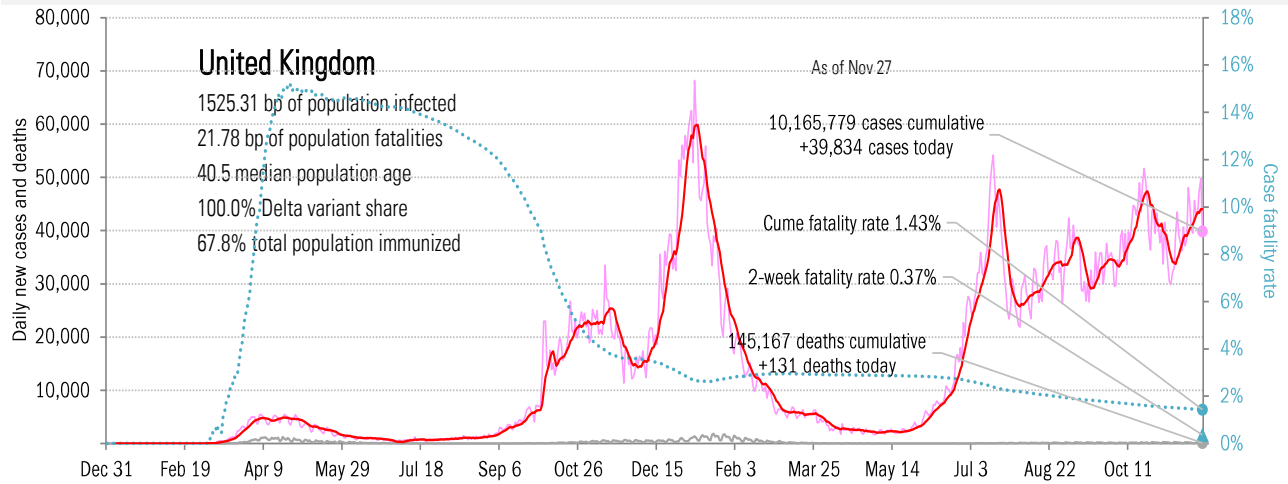
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

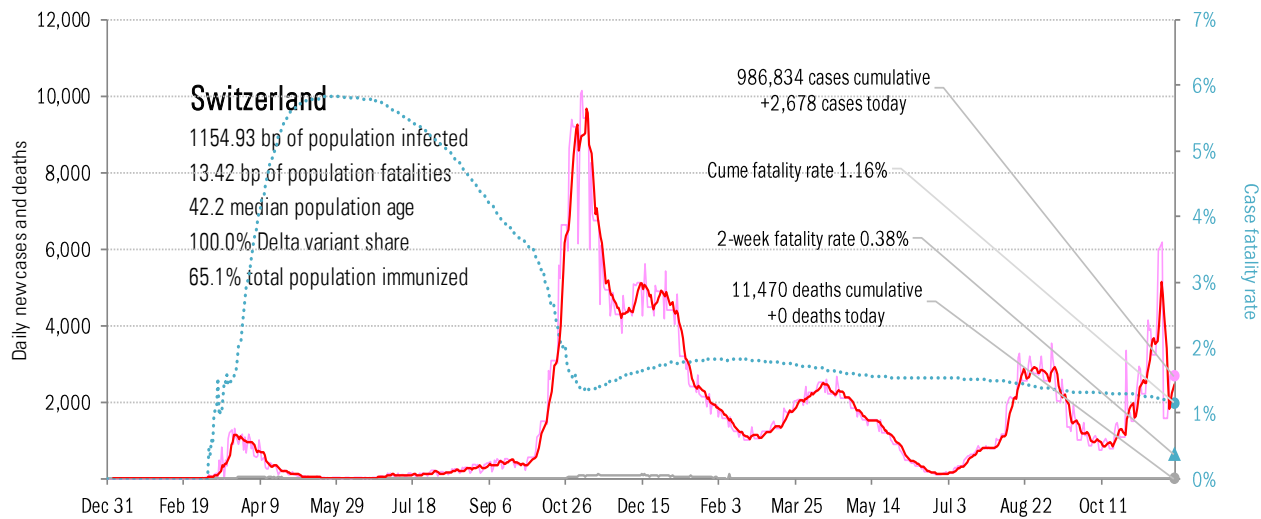
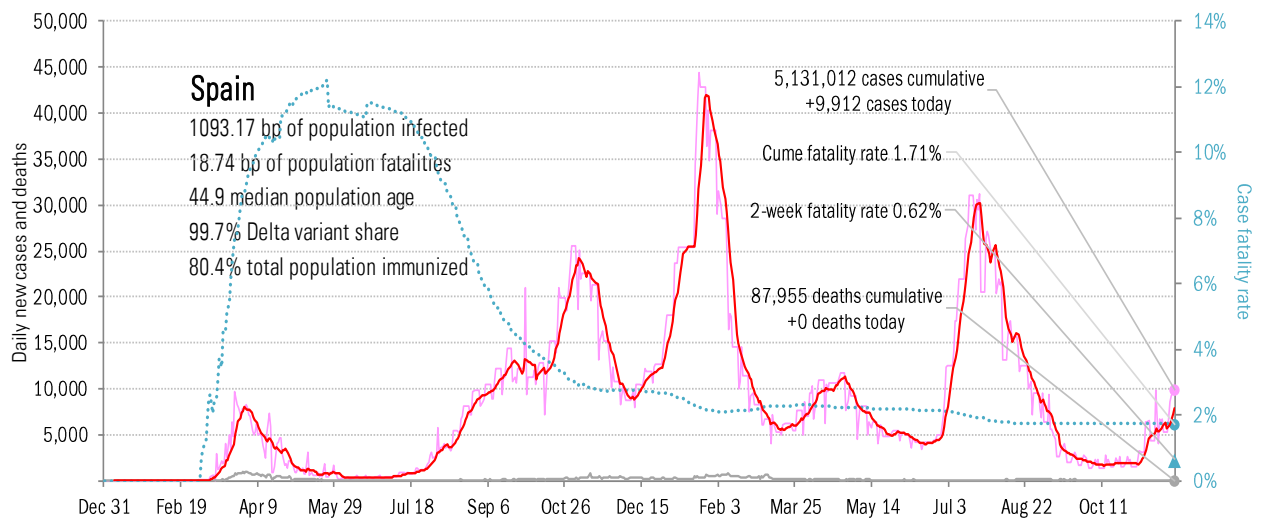
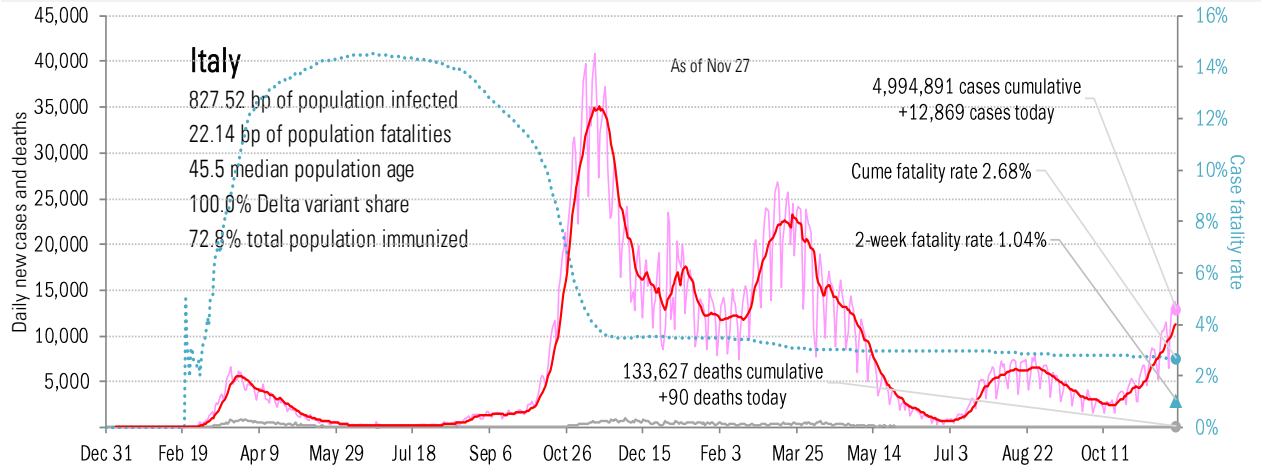
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

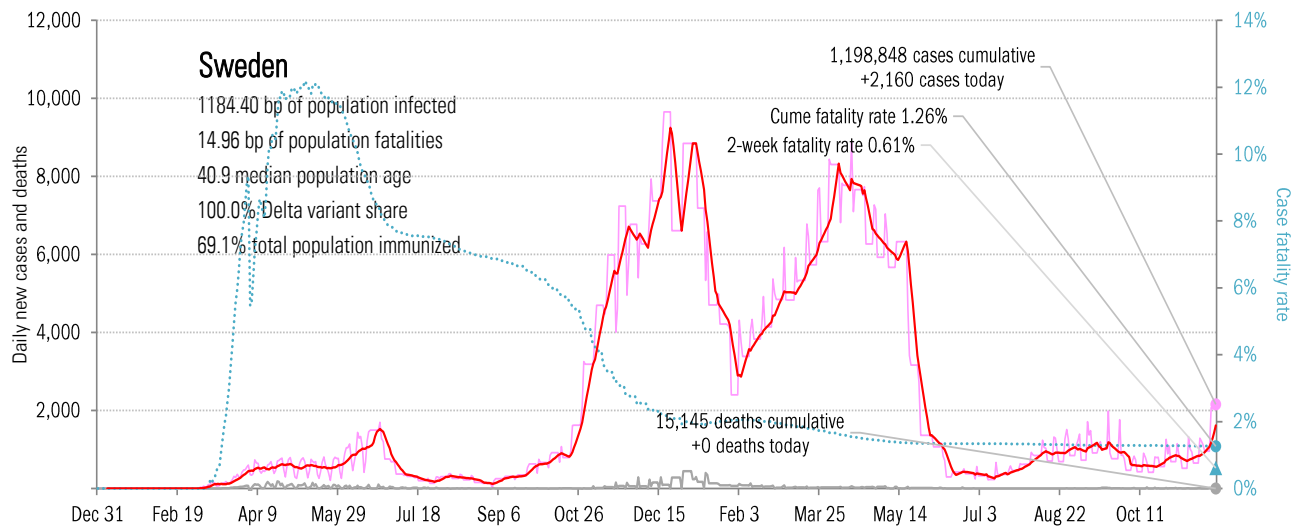
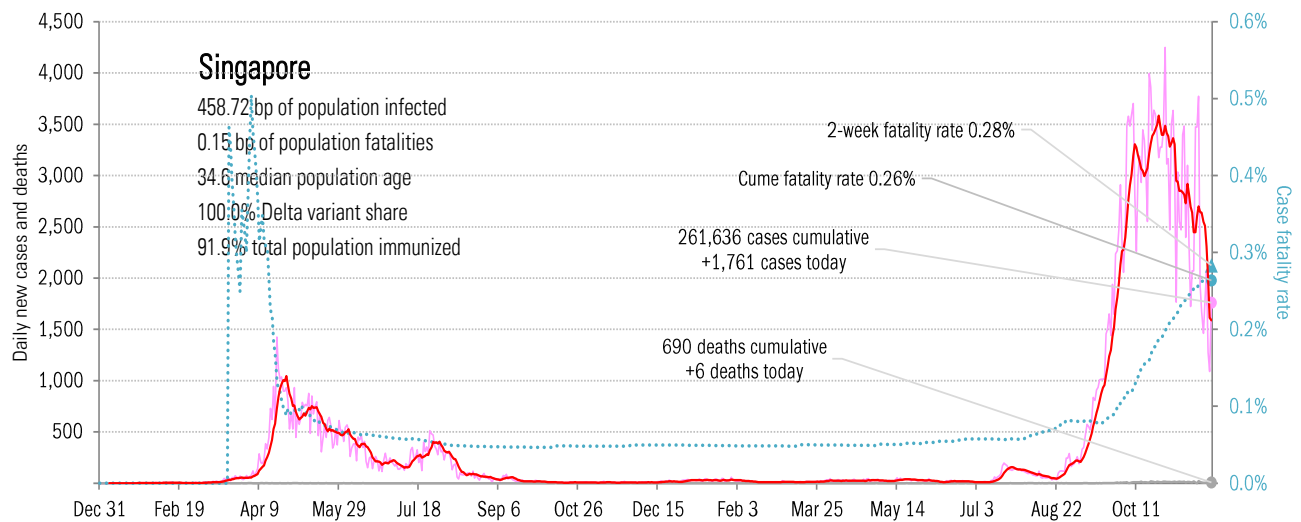
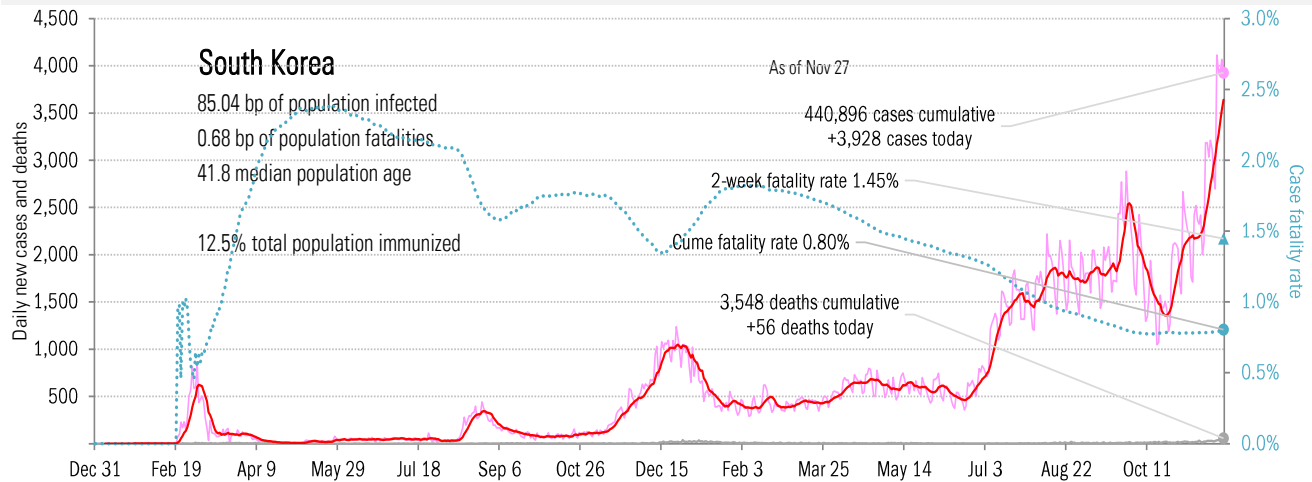
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

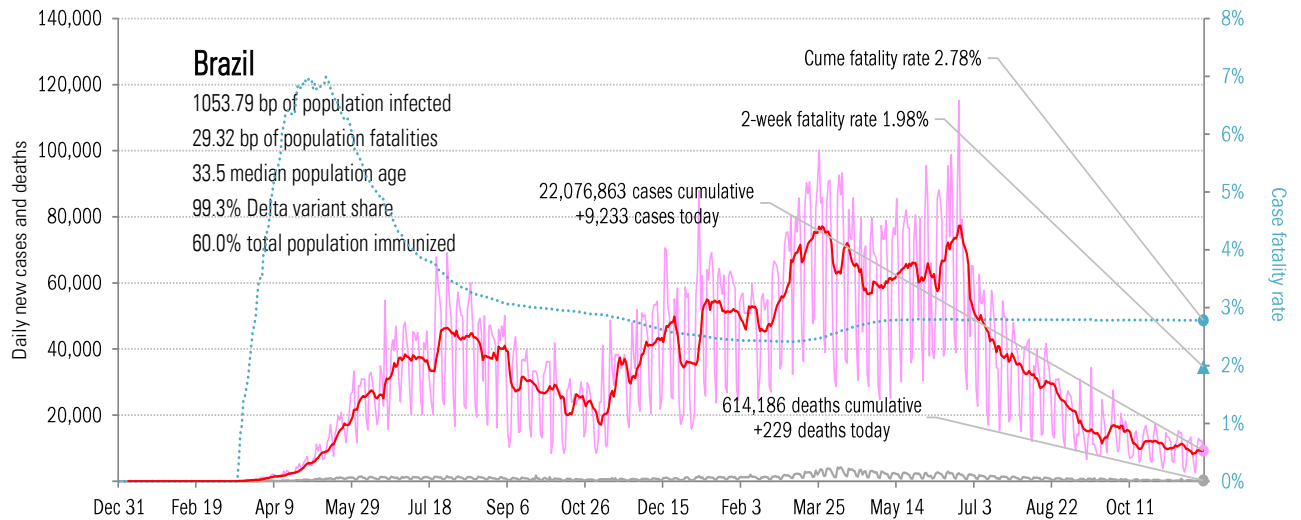
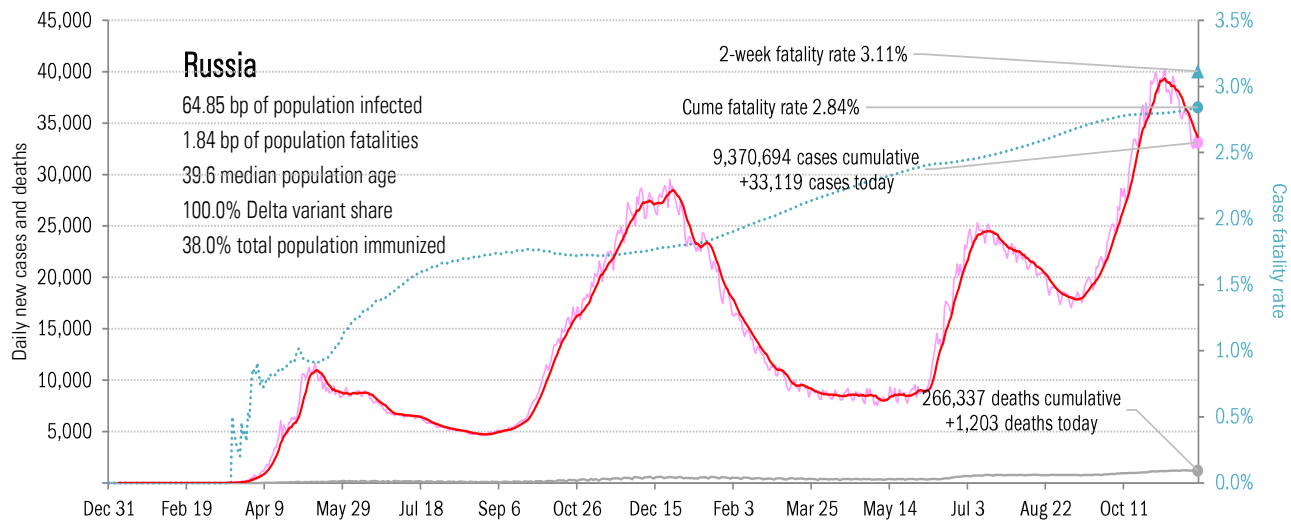
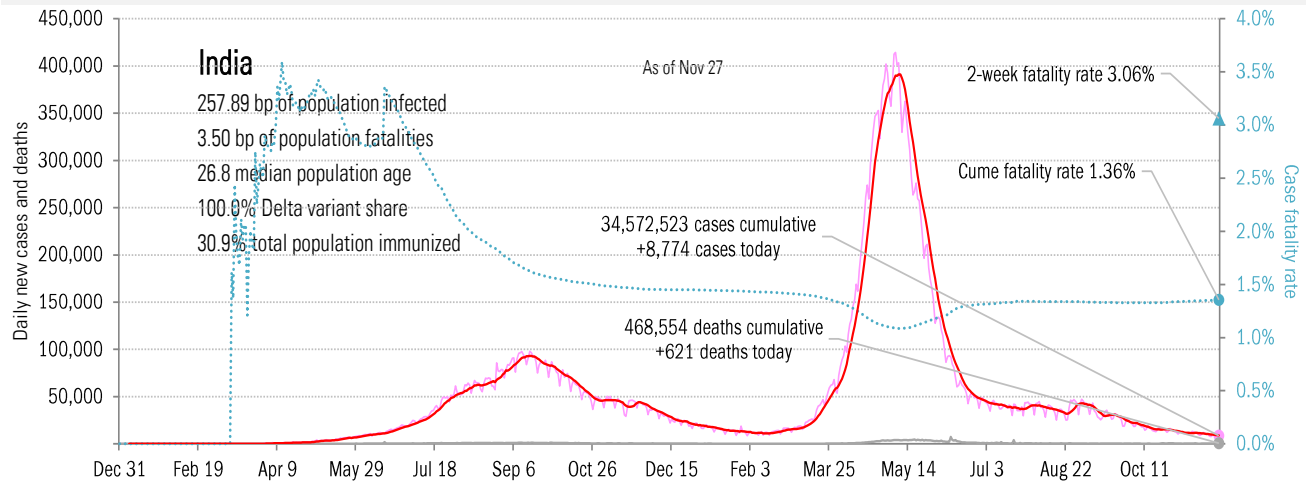
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

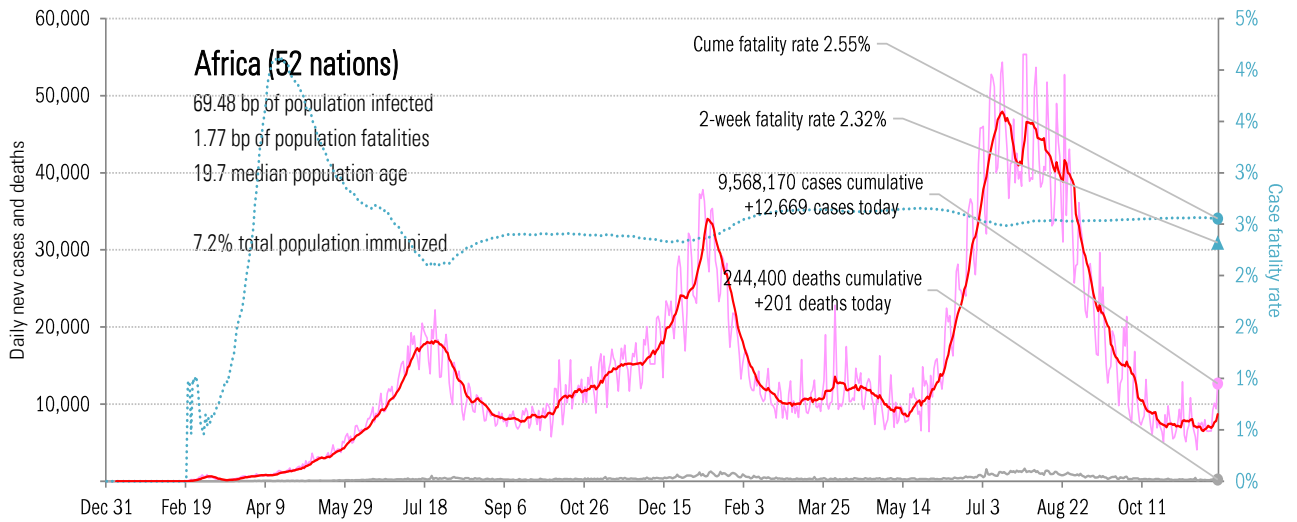
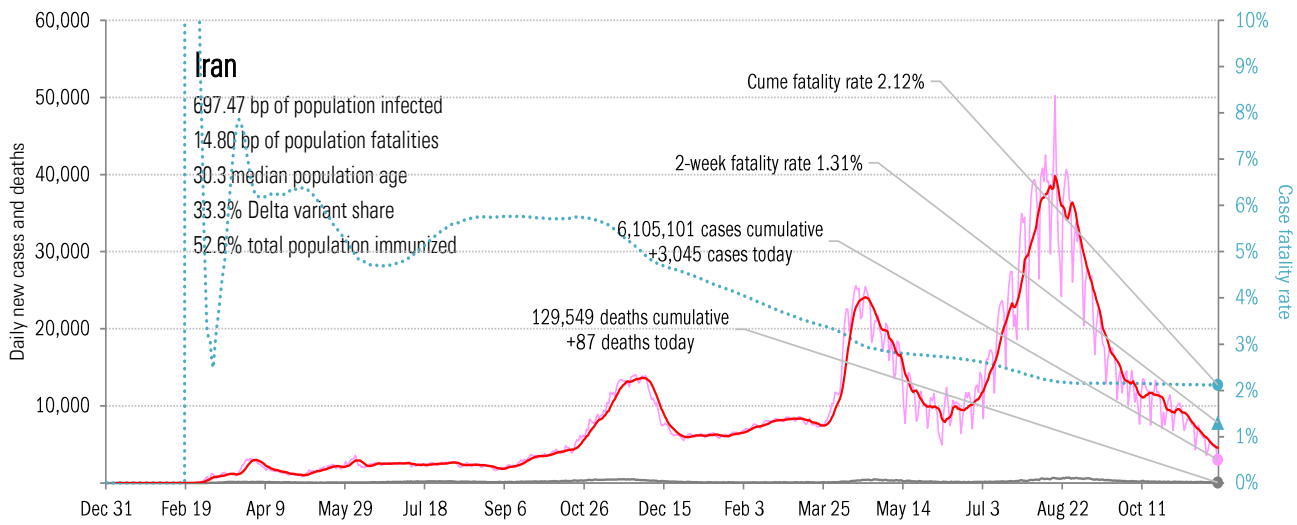
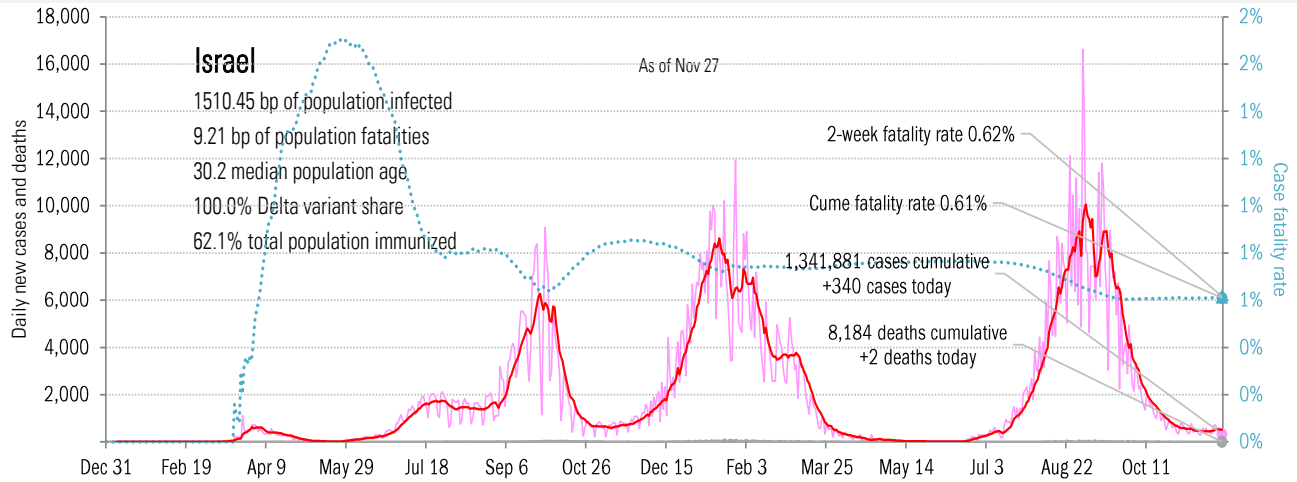
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

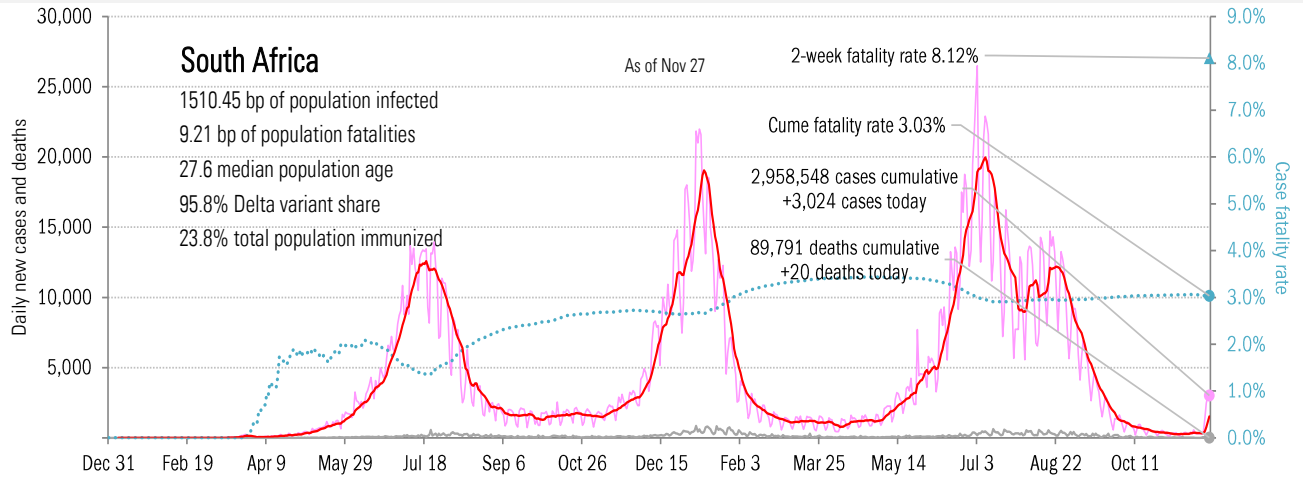


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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