

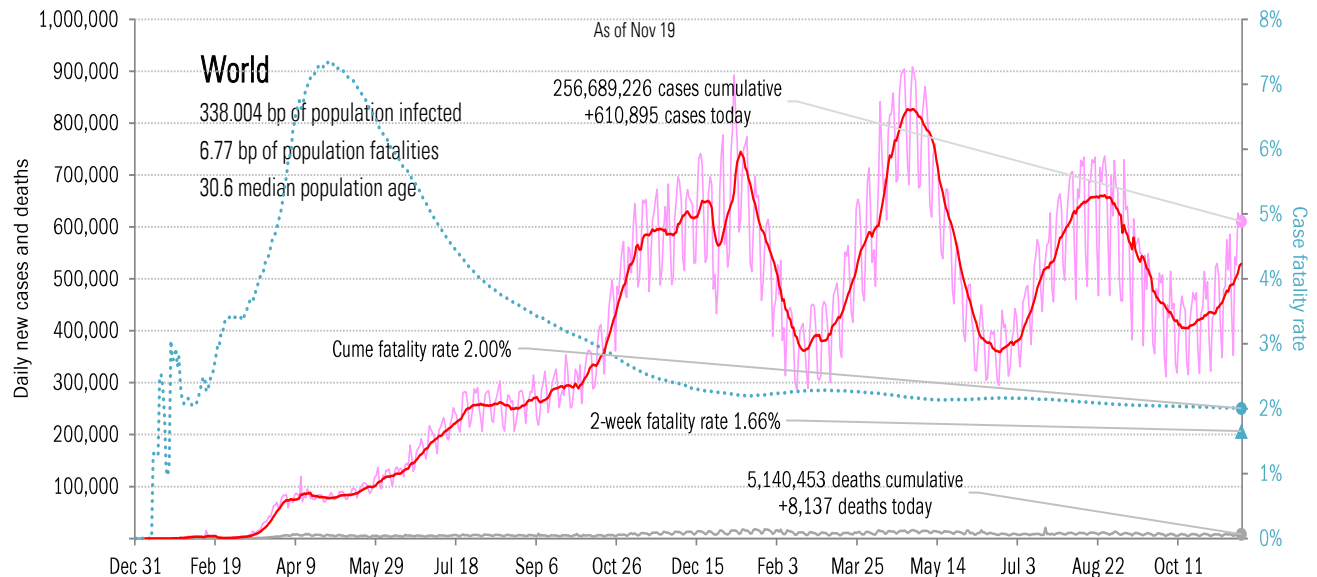
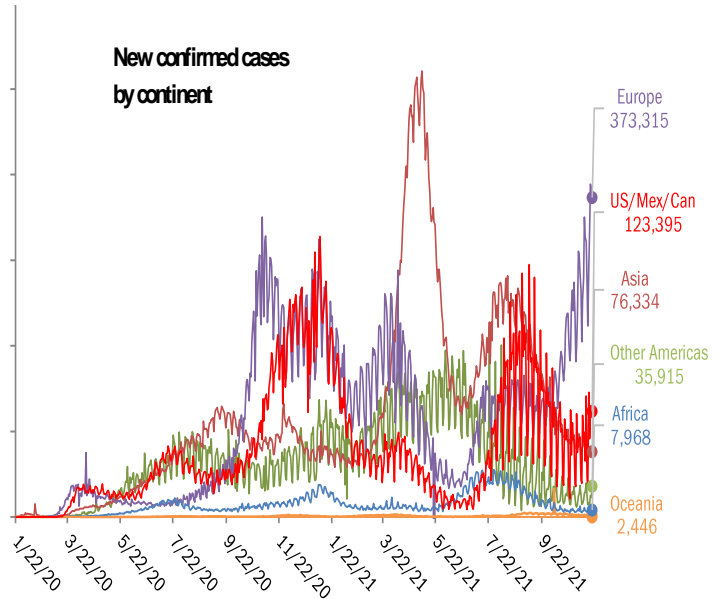
## Data Insights: Covid-2019 Monitor

Saturday, November 20, 2021

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+120,582	United States	+1,816
Germany	+57,302	Russia	+1,221
United Kingdom	+44,835	Ukraine	+758
Russia	+35,935	Poland	+405
Turkey	+23,810	Romania	+281
Poland	+23,259	Philippines	+276
Belgium	+21,502	India	+267
Ukraine	+21,271	Germany	+242
France	+21,270	Brazil	+226
Netherlands	+21,083	Turkey	+218
<b>+390,849</b>		<b>+5,710</b>	
World	+610,895	World	+8,137
Top ten	64%	Top ten	70%



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

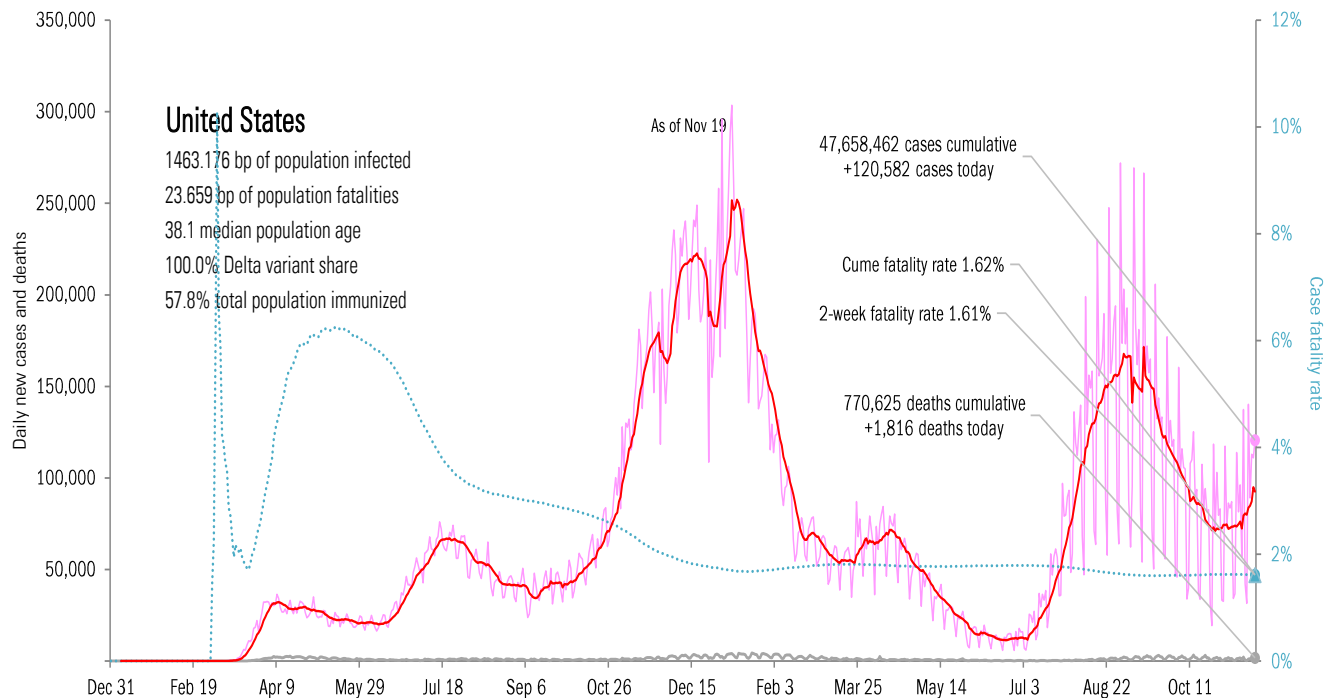
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+20,481		CH	+250		MI	+106		CA	5,035,053		CA	73,694		TX	380,538		RI	89%	NM	93%
PA	+7,604		KY	+212		PA	+106		TX	4,304,742		TX	73,276		FL	321,777		MA	87%	DE	92%
NY	+7,590		MI	+157		IN	+87		FL	3,719,586		FL	61,015		CA	317,045		PA	86%	R	90%
CH	+6,429		CA	+142		CH	+84		NY	2,659,870		NY	57,141		NY	168,580		MI	85%	TX	89%
CA	+6,114		TX	+100		NY	+83		IL	1,763,866		PA	32,825		GA	161,957		MD	84%	AL	87%
IL	+5,720		PA	+96		GA	+79		PA	1,674,328		GA	30,162		CH	130,034		GA	84%	NE	86%
MN	+5,148		AZ	+78		IL	+45		GA	1,654,649		IL	28,660		PA	122,285		NY	84%	ID	86%
AZ	+5,070		GA	+68		MO	+45		CH	1,633,480		NJ	28,243		KY	113,124		MO	83%	KY	85%
WI	+4,165		FL	+55		NJ	+39		NC	1,514,879		CH	26,063		IL	107,976		MN	83%	MI	85%
IN	+3,733		CO	+44		FL	+27		MI	1,408,419		MI	24,841		MI	98,283		CT	83%	MN	84%
<b>+72,054</b>			<b>+1,202</b>			<b>+701</b>			<b>25,368,872</b>			<b>435,920</b>			<b>1,921,599</b>						
All states	+120,582			+1,816			+781		All states	47,658,462			770,625			3,447,259		All states	70%		67%
Top ten	60%			66%			90%		Top ten	53%			57%			56%		Median	78%		80%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MO	-9,381	MO	-65	MN	-88	WV	+30 bp
FL	-5,148	FL	-59	TX	-32	VA	+20 bp
TX	-1,523	TX	-38	PR	-31	VT	+20 bp
IA	-1,248	CK	-34	VA	-28	AL	+10 bp
CO	-890	NC	-13	UT	-25	AR	+10 bp

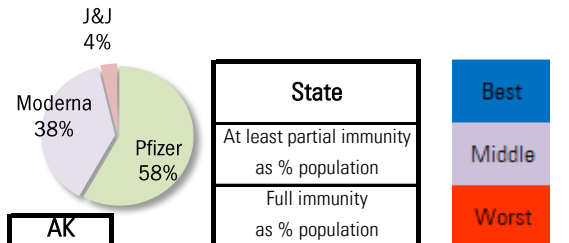


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

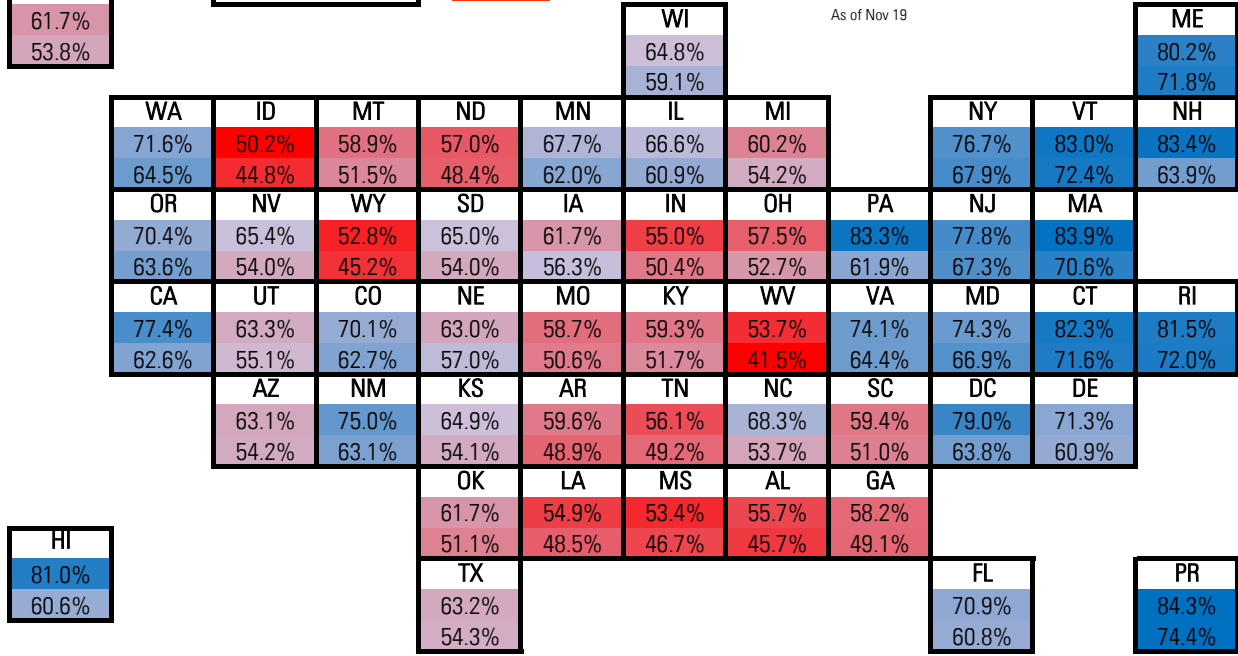
Administered	Cumulative	Today	Immunity	Full	Partial
Doses	460,483,470	+1.948 million	US	57.8%	68.2%
Boosters	34,028,880	+1.006 million	UK	67.6%	74.3%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	235,071,490	70%	200,975,259	60%	+0.212 million
Age 12 to 17	231,609,343	973%	12,179,915	51%	+0.016 million
Age 18 to 64	(56,434,645)	-28%	138,981,910	68%	+0.155 million
Age 65 and over	56,434,645	100%	48,872,298	89%	+0.038 million

France	69.0%	76.4%
Spain	80.3%	81.7%
Germany	67.3%	69.8%
Italy	72.9%	77.8%
Australia	70.8%	76.6%
Israel	62.0%	67.4%
Canada	75.7%	79.2%
Japan	76.2%	78.9%
Africa	6.9%	10.1%
India	28.1%	54.7%
Brazil	60.0%	75.9%
China	74.5%	84.8%

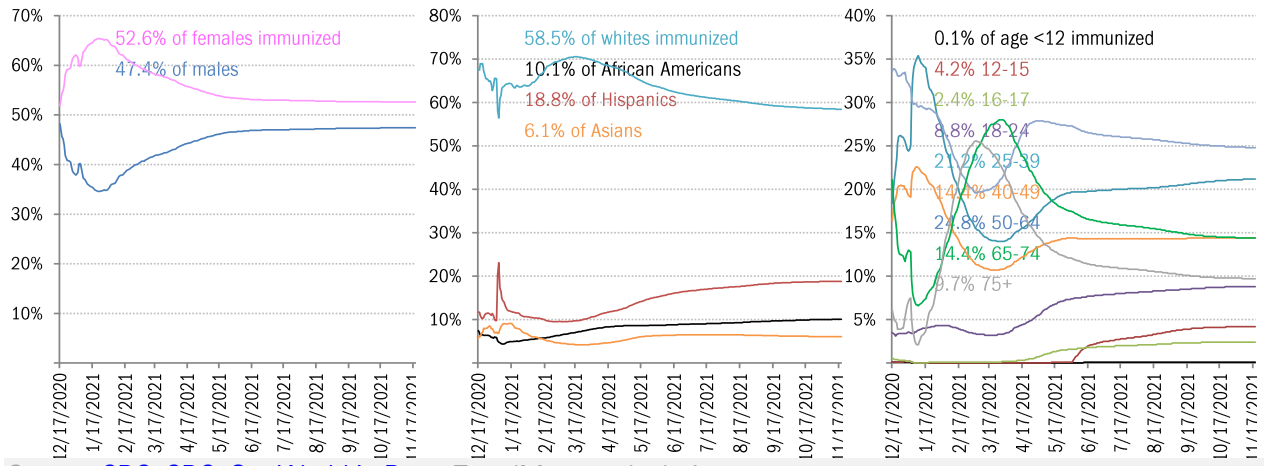


Every American >18 immunized in **134 days** by Apr 2, 2022  
 72.8% of population >18 immunized  
 17.0% previously tested positive  
**89.7%** vs 60% adult herd immunity

Global data differs due to sources, timing



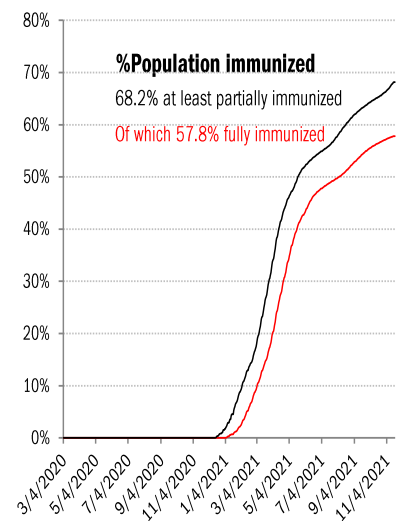
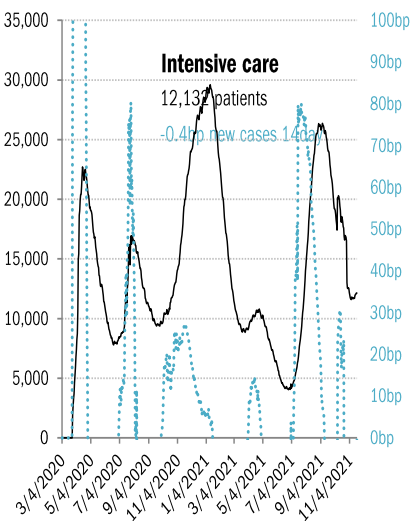
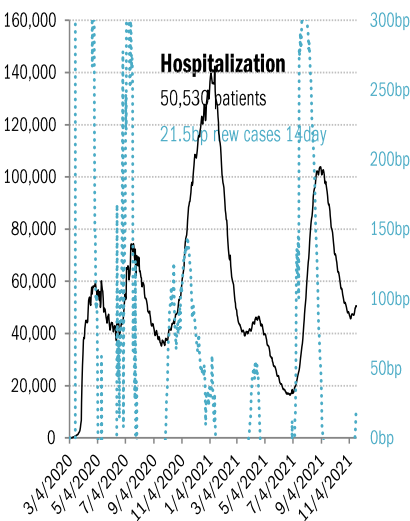
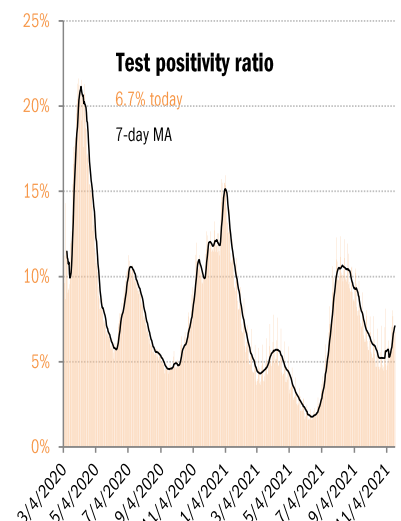
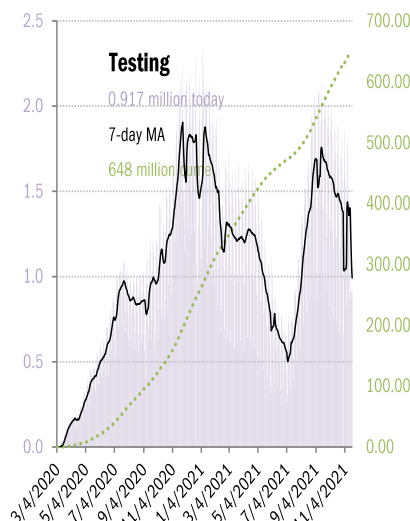
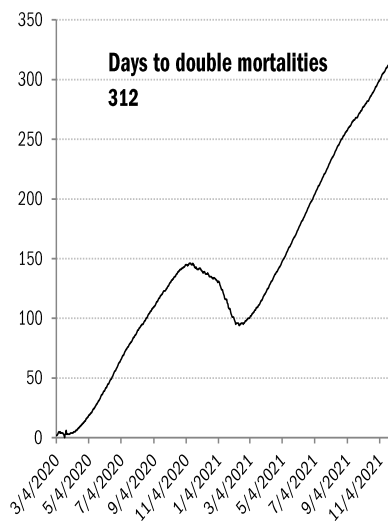
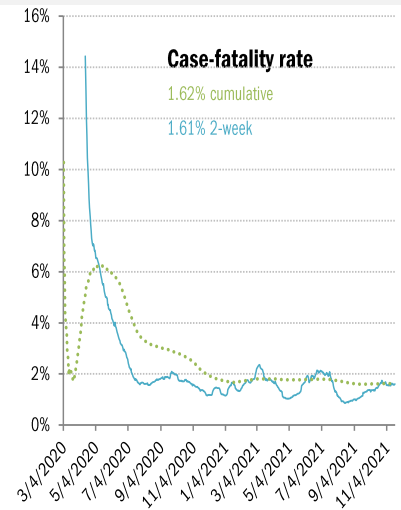
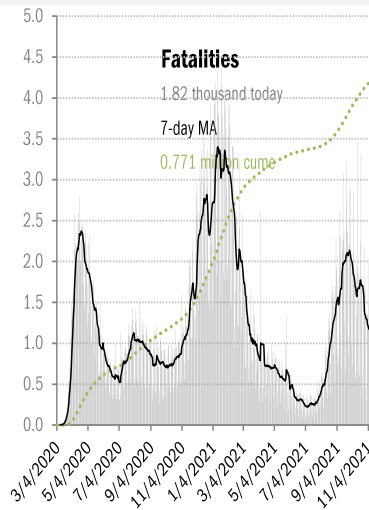
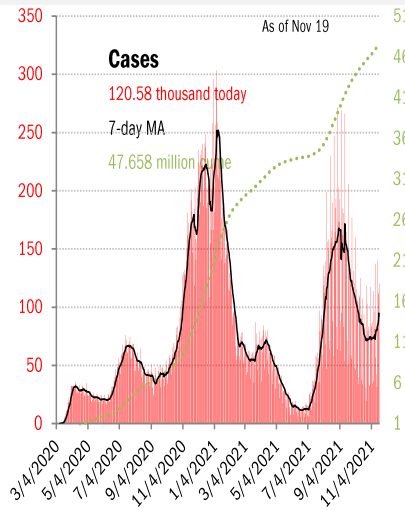
## The demographics of US vaccination



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

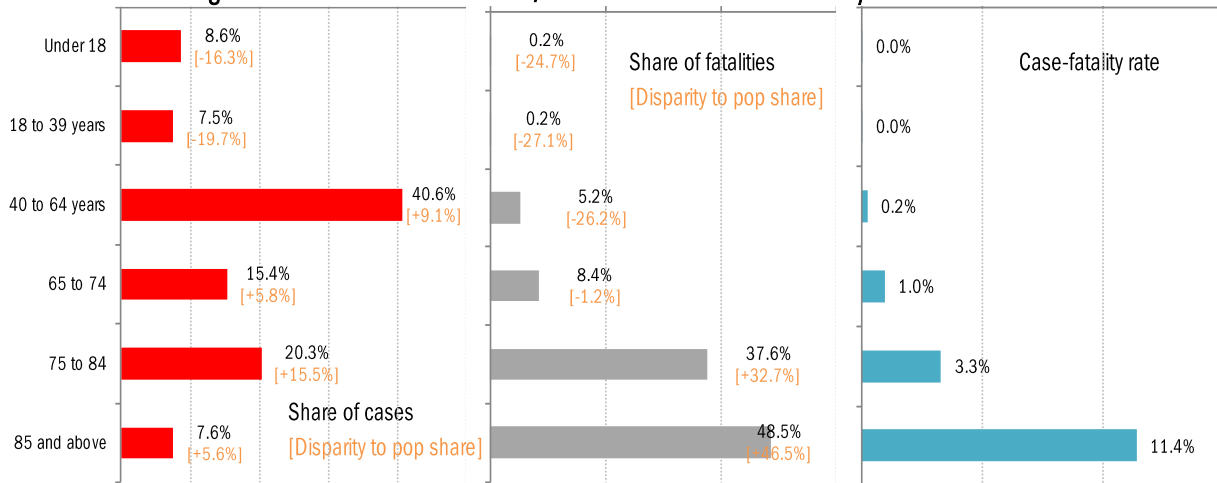
# US deep-dive

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

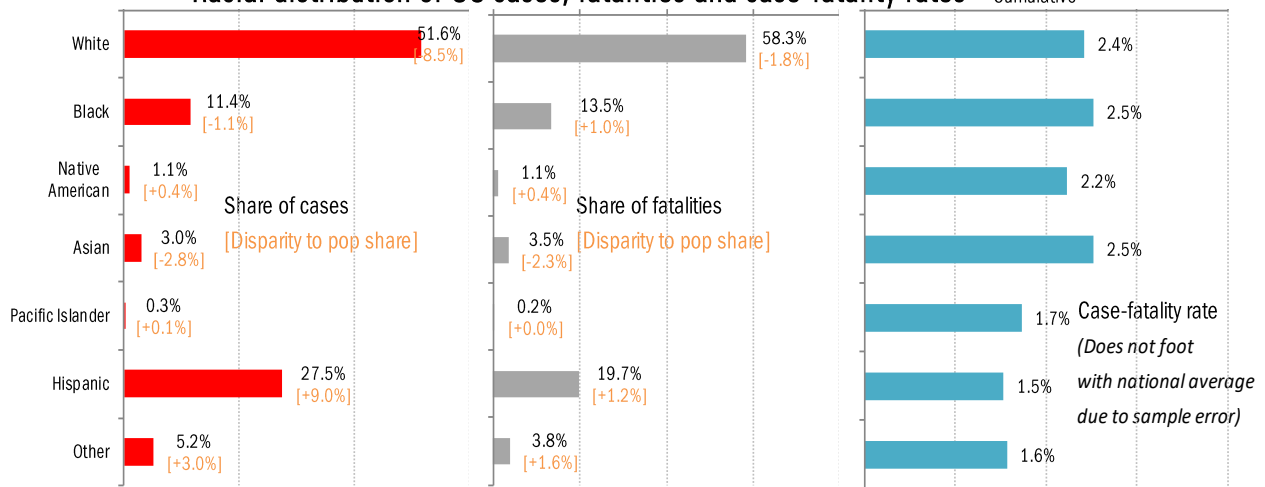


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

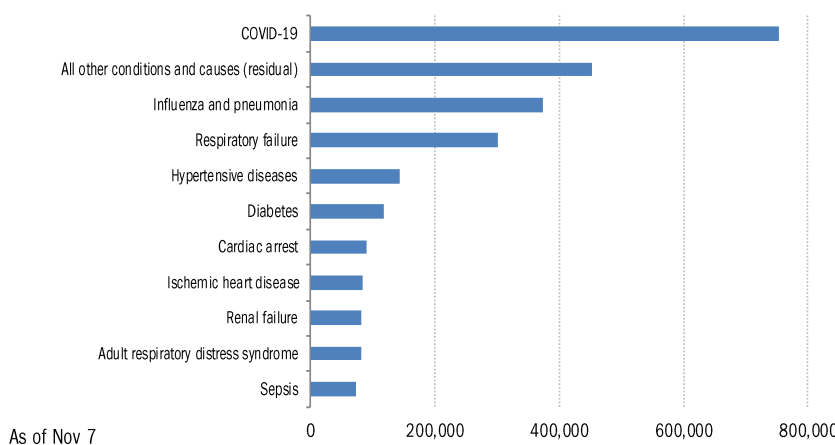


Racial distribution of US cases, fatalities and case-fatality rates



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

[Assembly Report on Cuomo Contains Grounds for Impeachment, Lawmaker Says](#)

Grace Ashford  
*New York Times*  
November 19, 2021

[C.D.C. Endorses Covid Vaccine Booster Shots for All Adults](#)

Apoorva Mandavilli  
*New York Times*  
November 19, 2021

[FDA Claims It Needs 55 Years Before Revealing Data on Approval of Pfizer Vaccine](#)

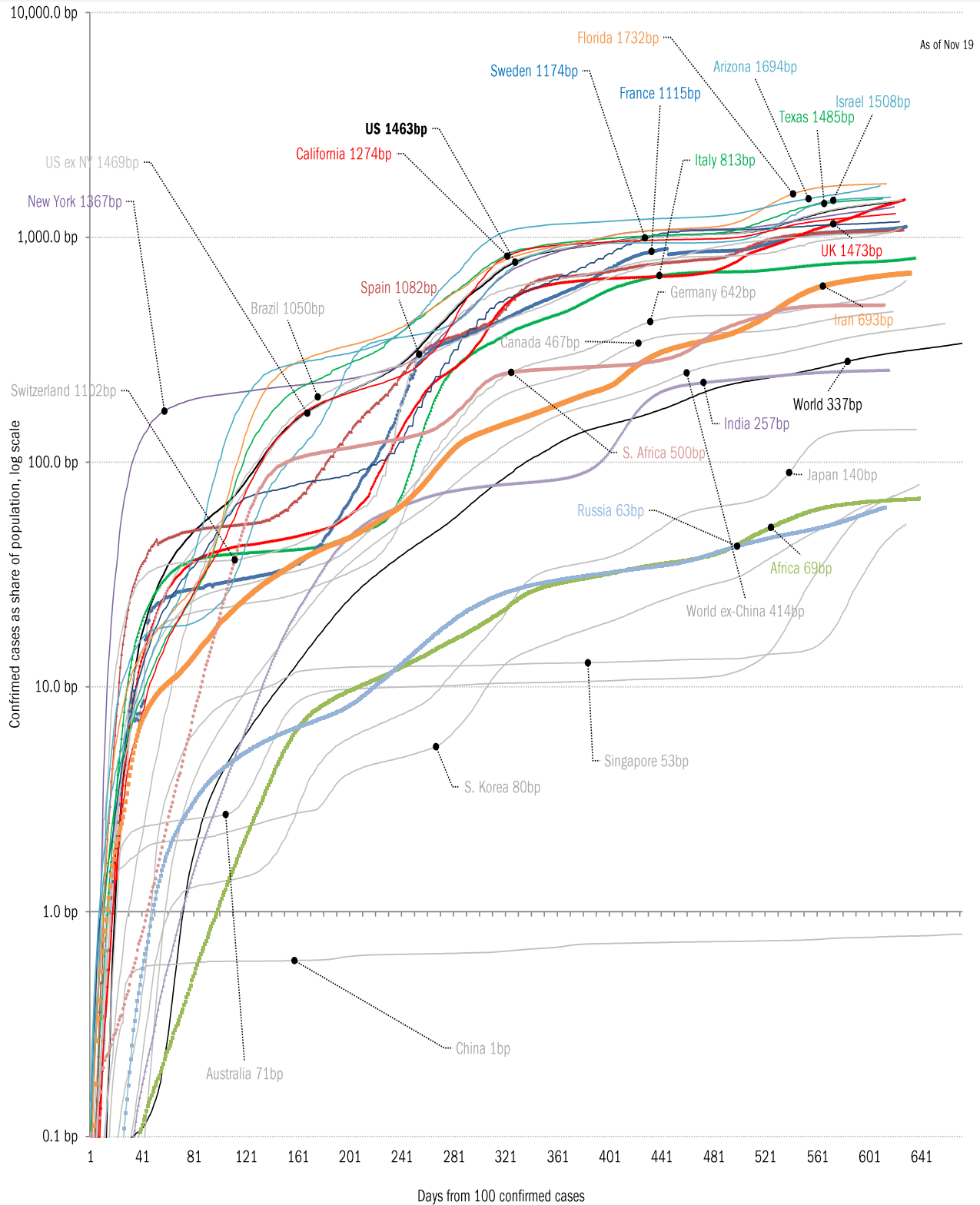
Eric Lendrum  
*American Greatness*  
November 19, 2021

## Meme of the day



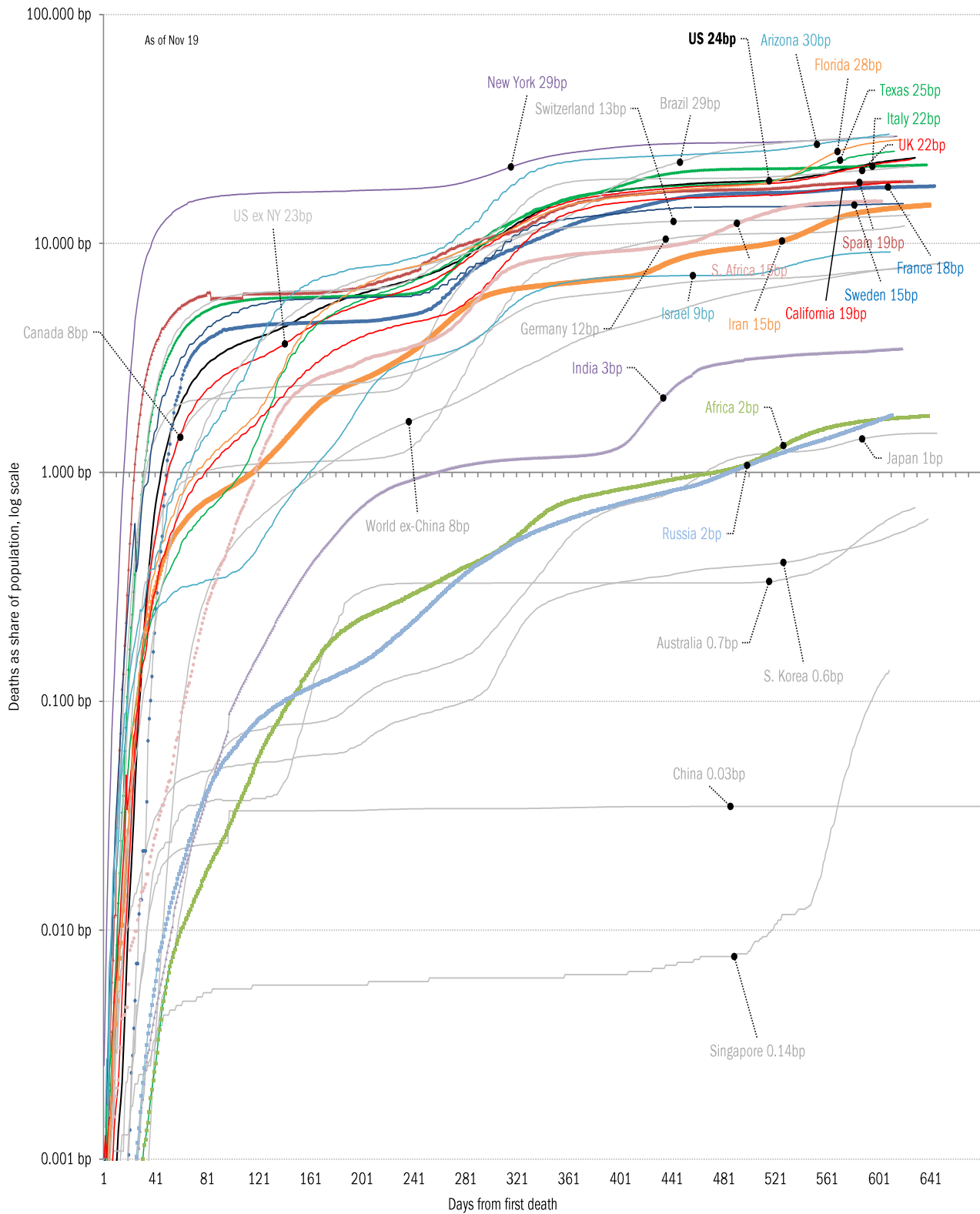
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



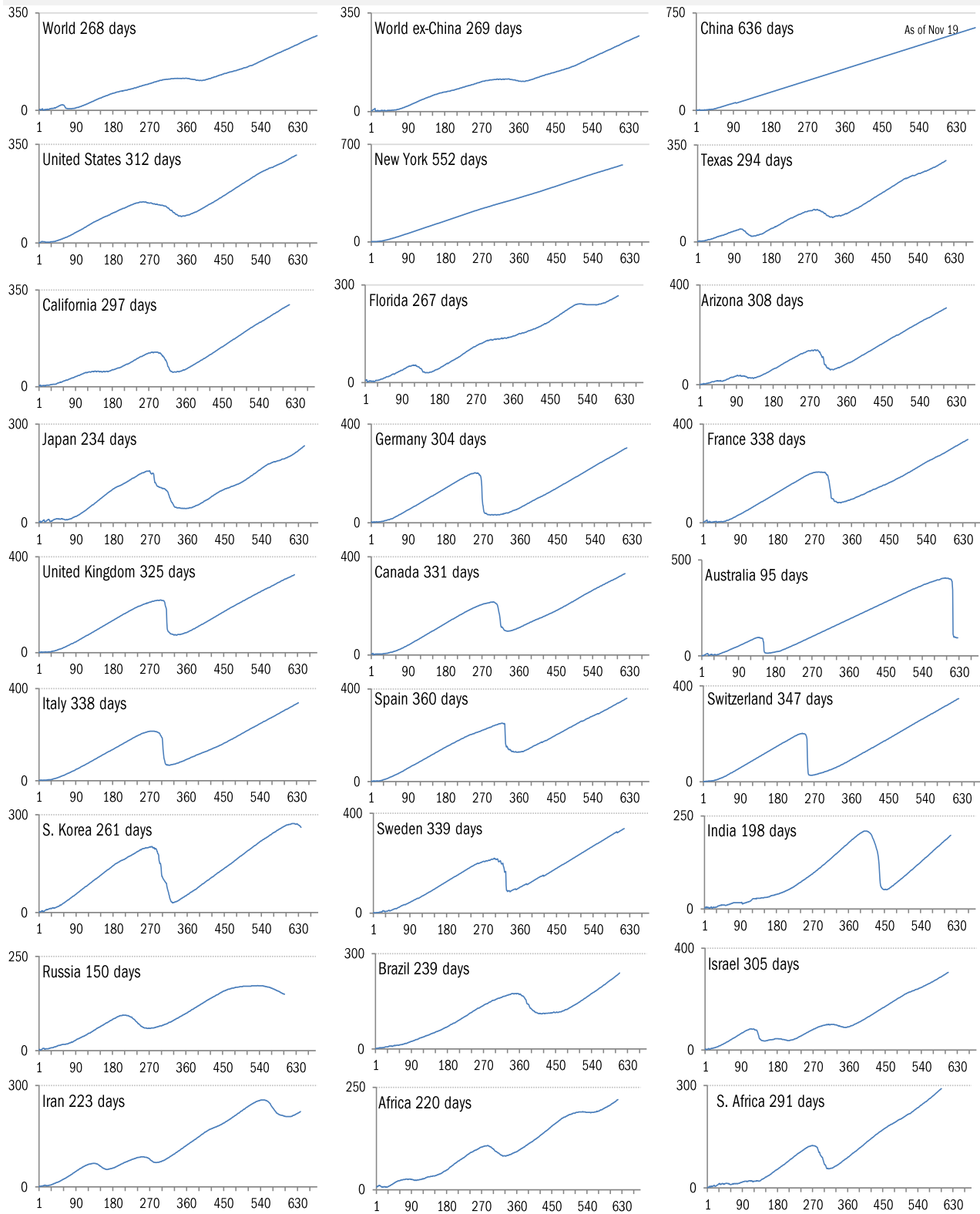
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

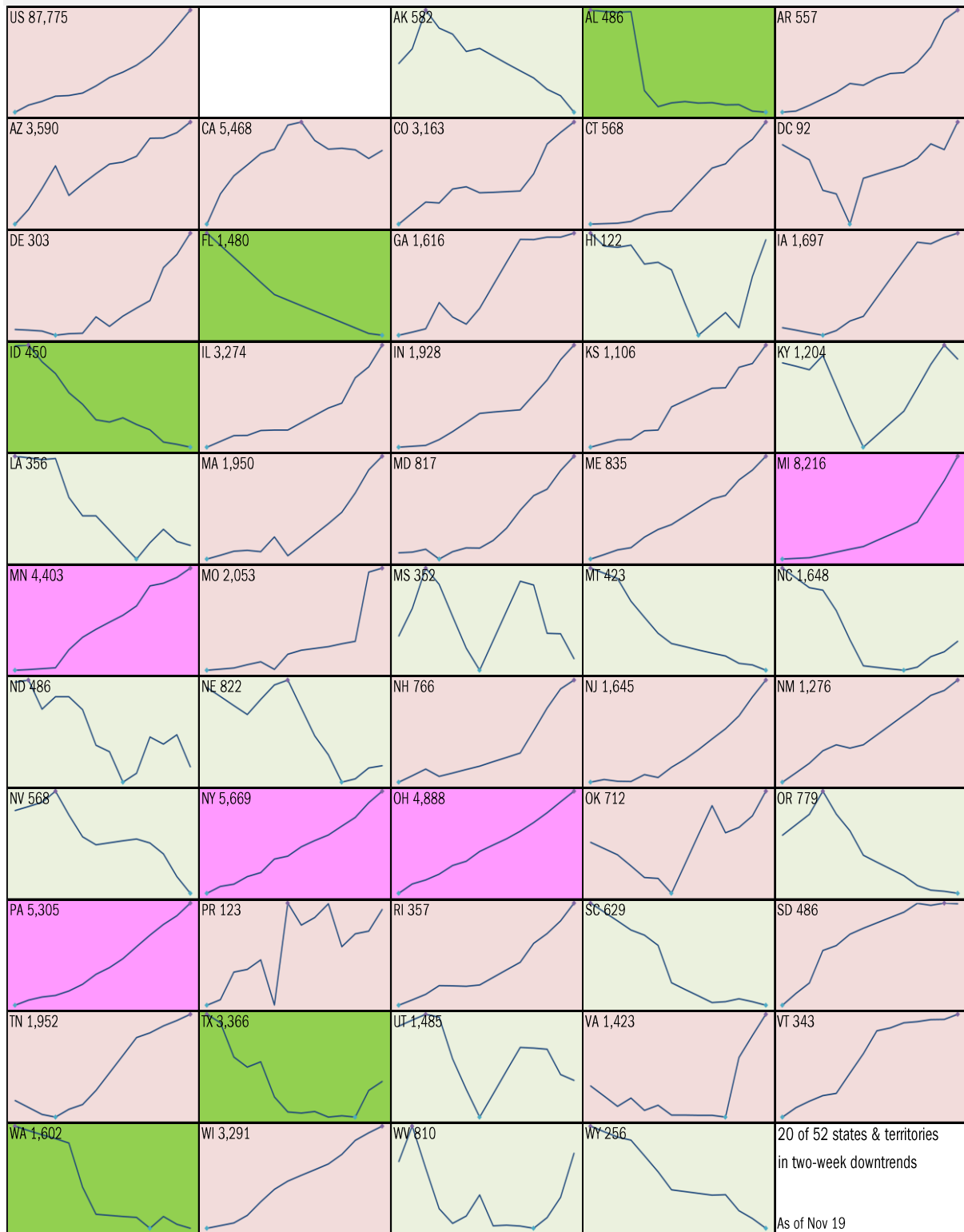


Source: [Johns Hopkins](#), TrendMacro calculations

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

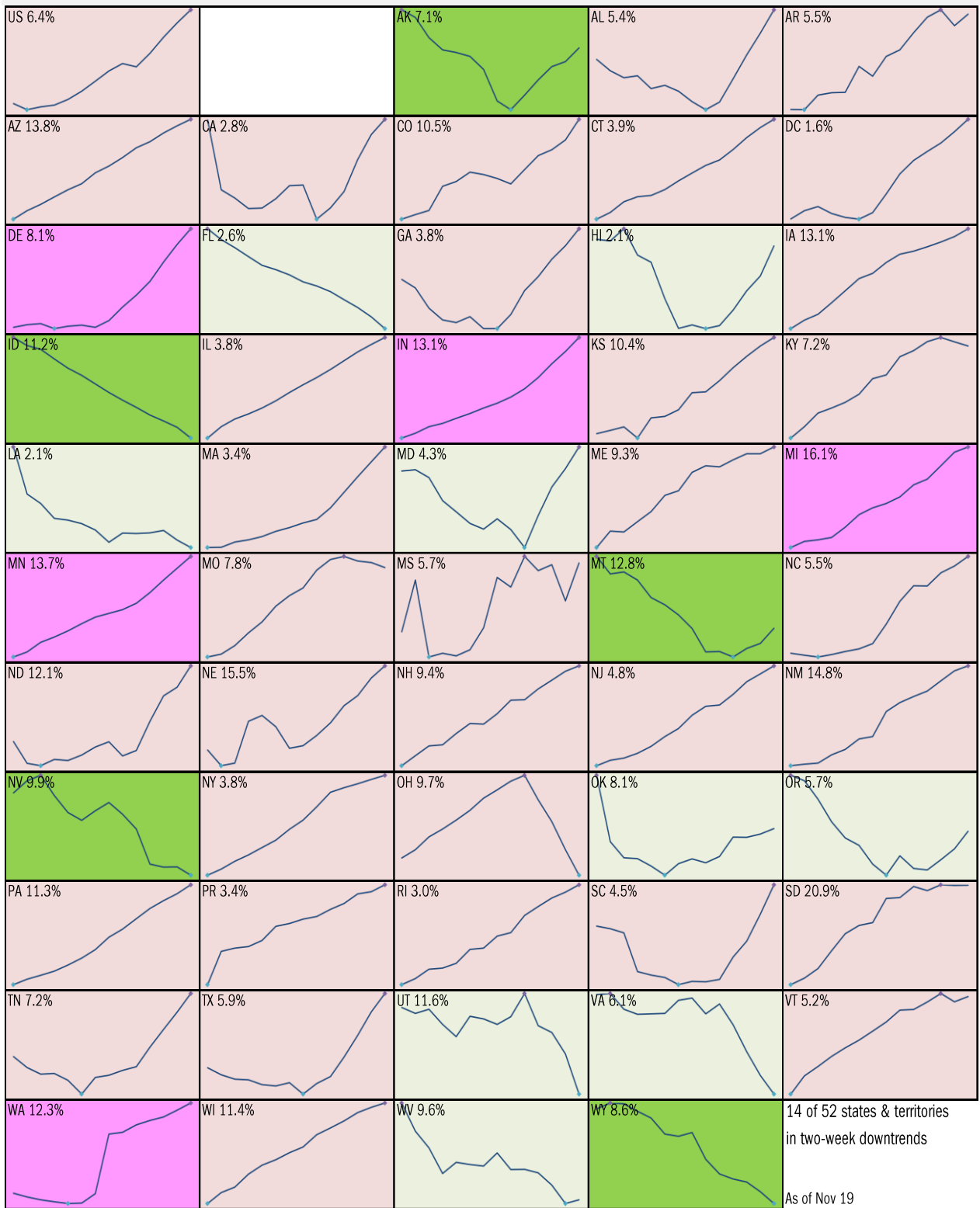


Source: [Johns Hopkins](#), TrendMacro calculations

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

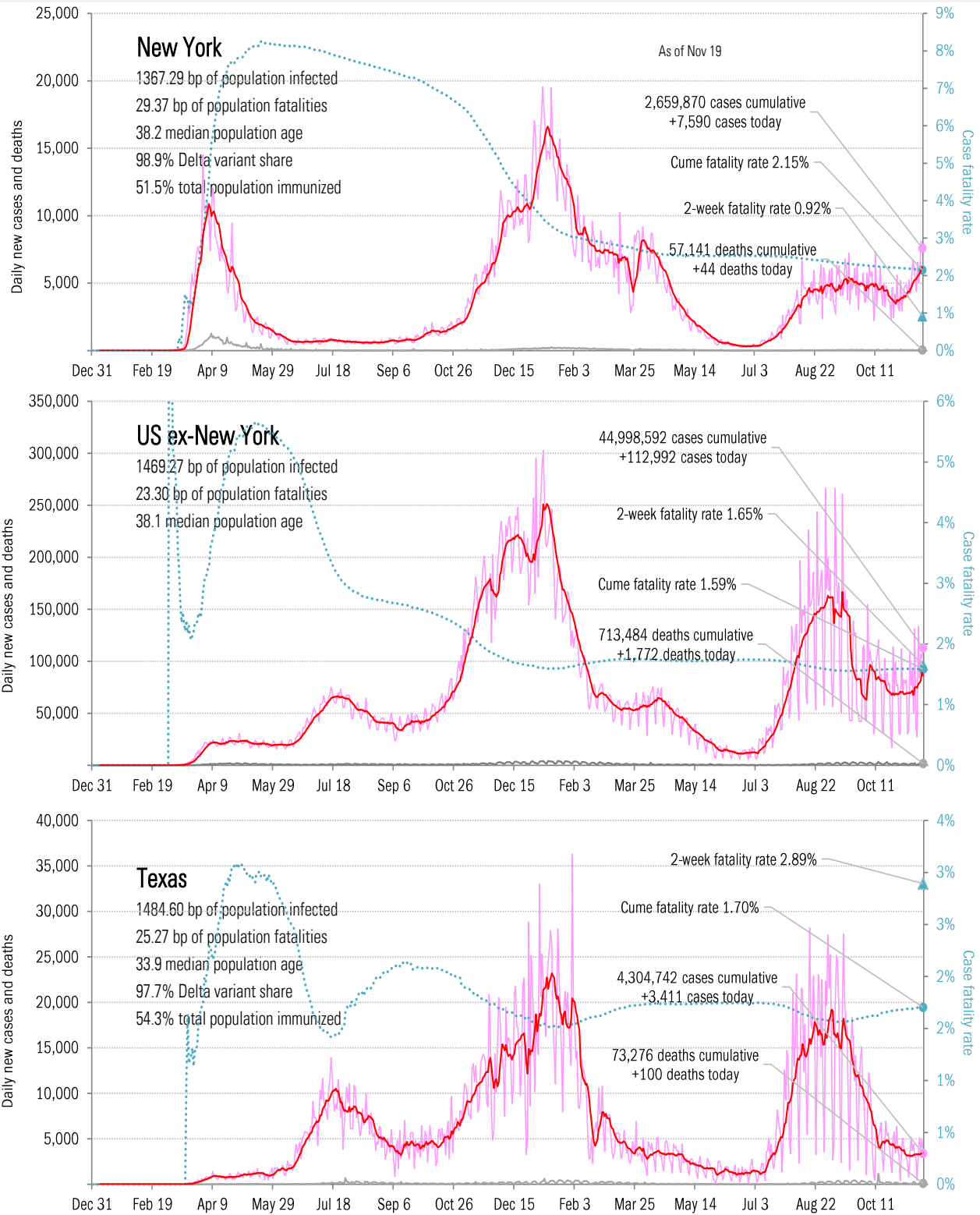
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

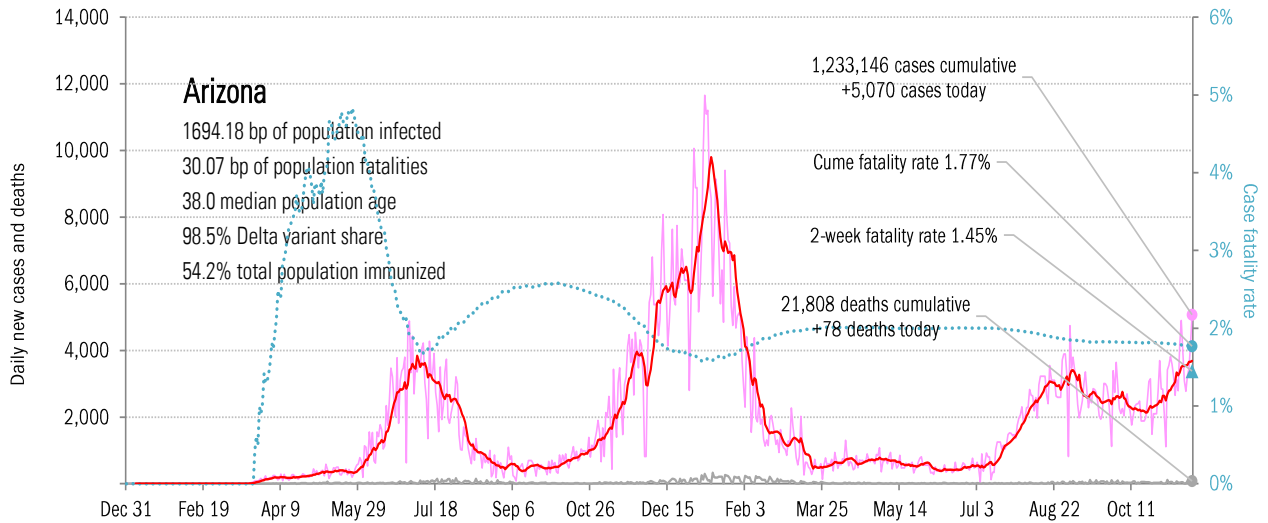
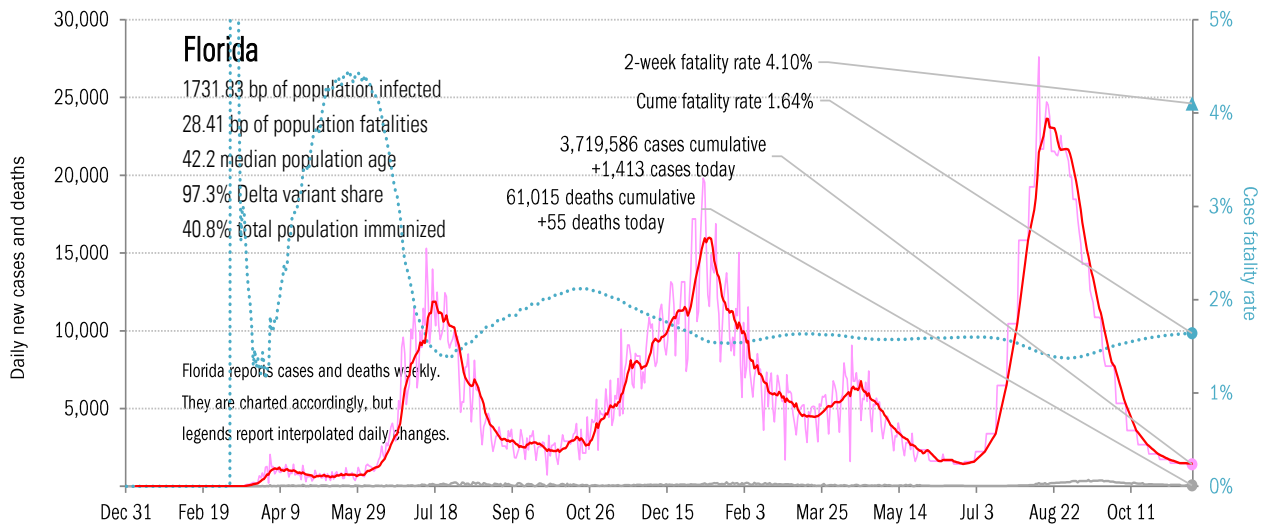
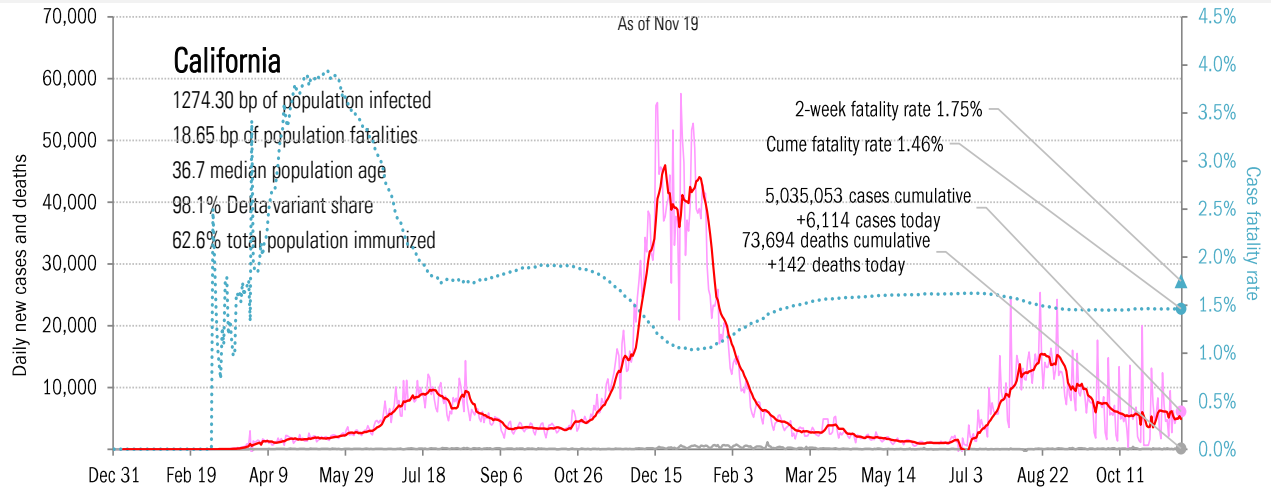
Cases: 7-day average and daily Deaths: Daily



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

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

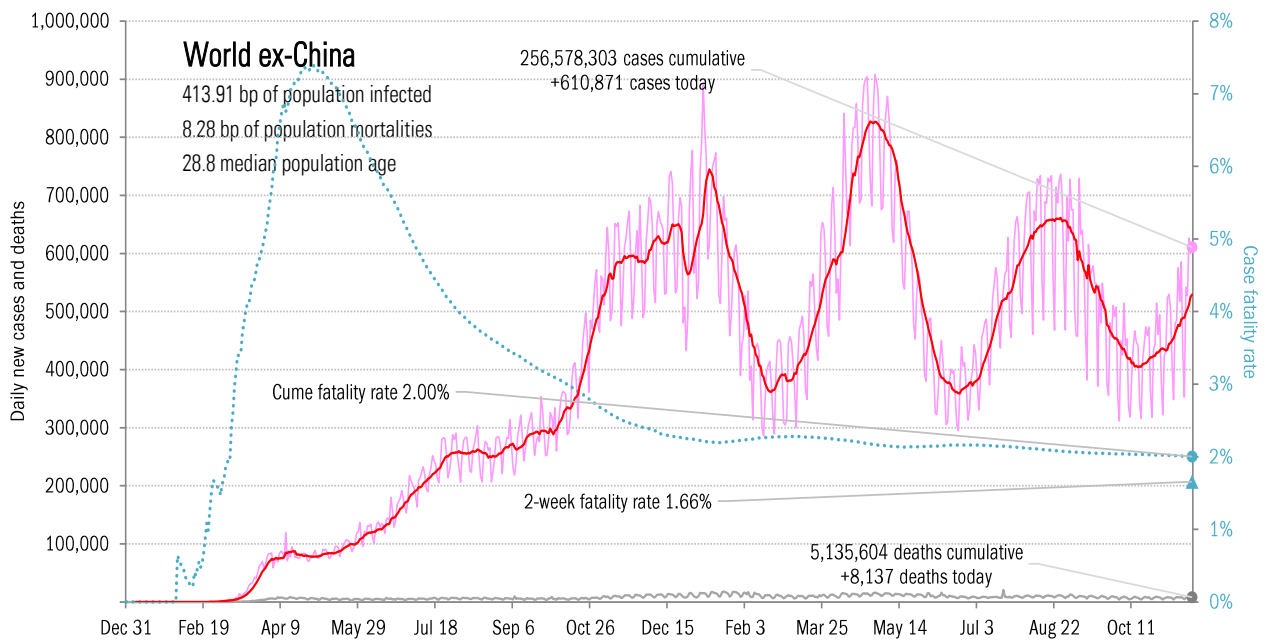
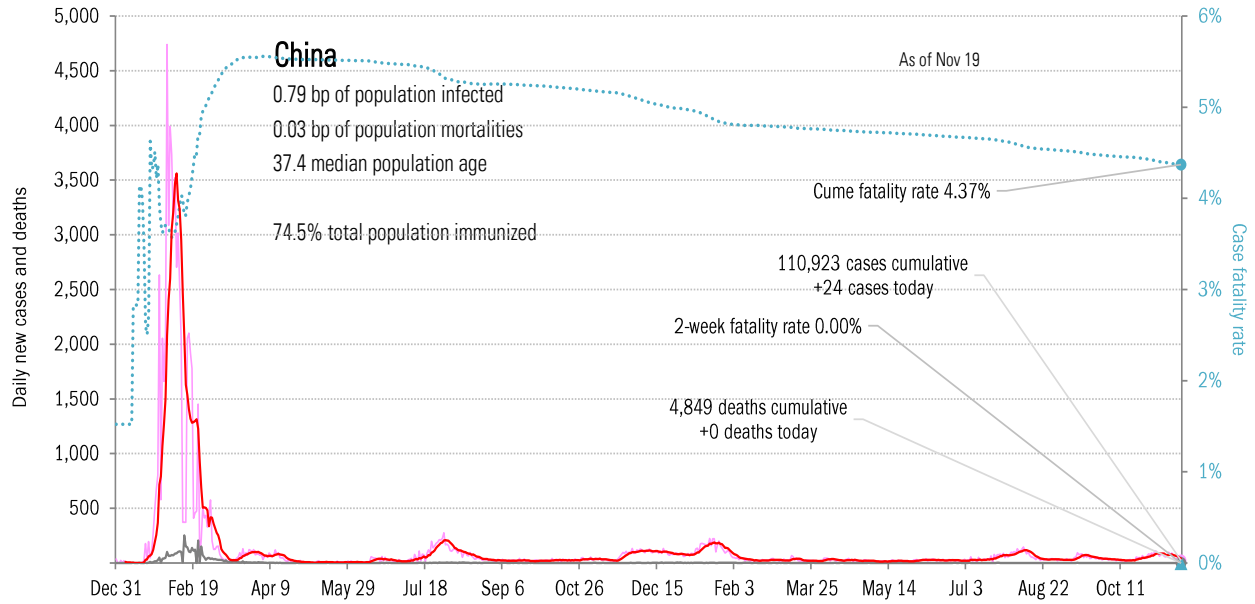
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

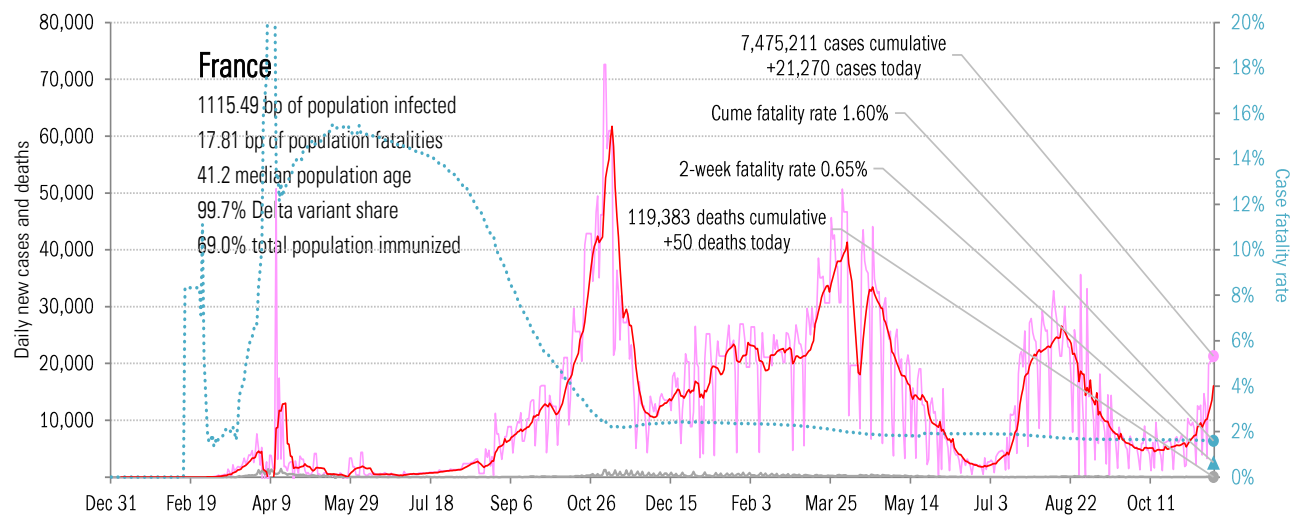
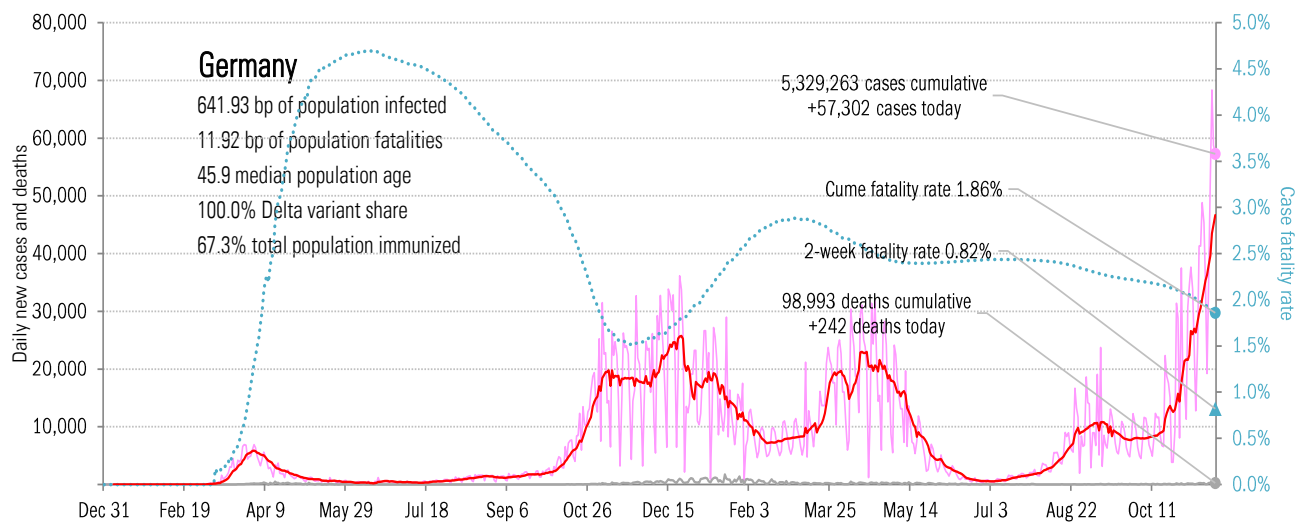
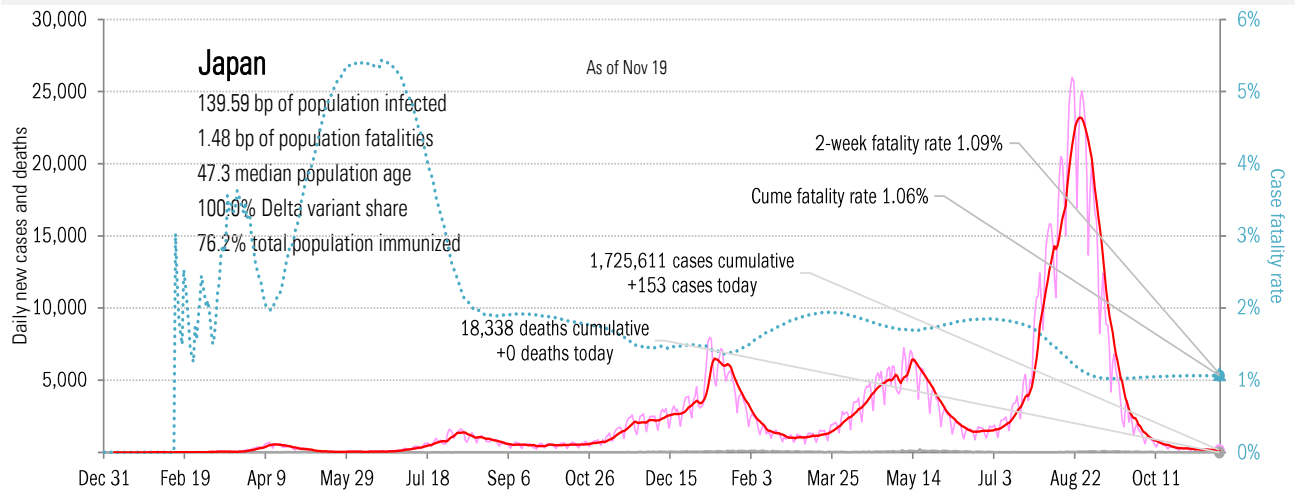


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

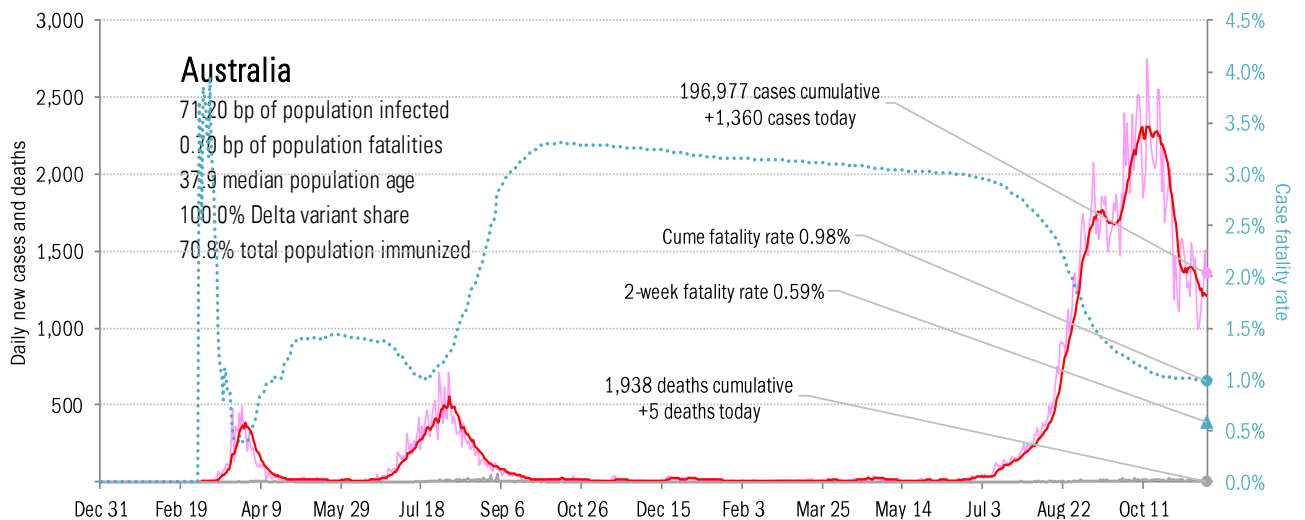
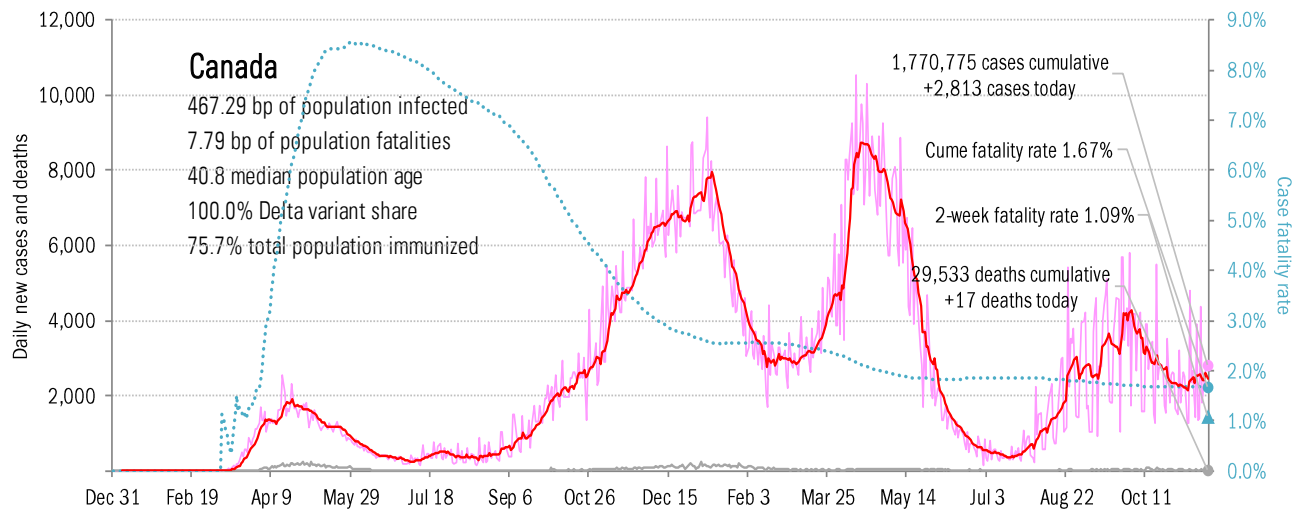
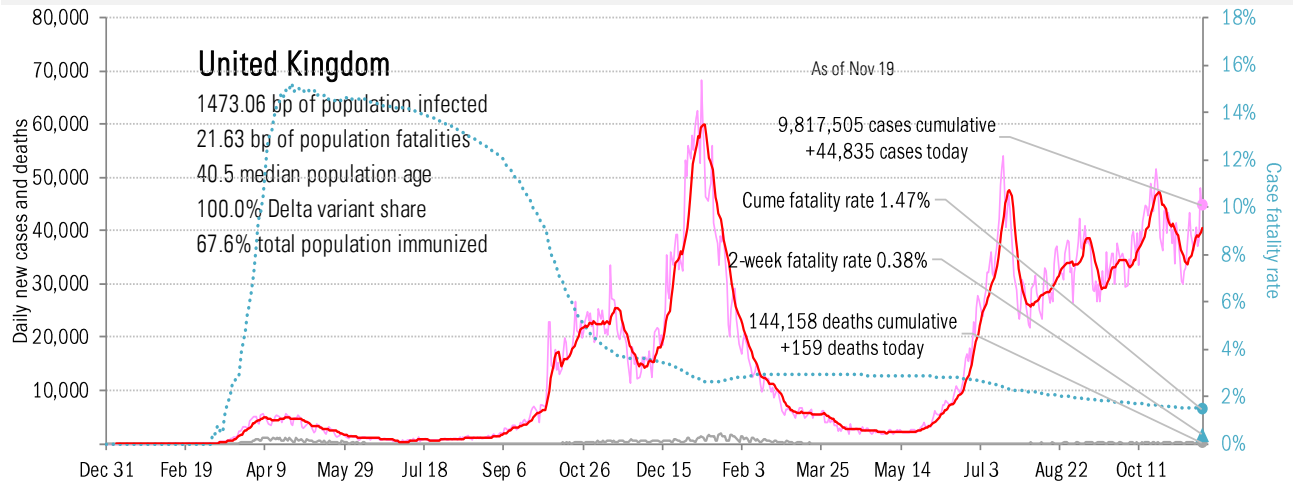
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

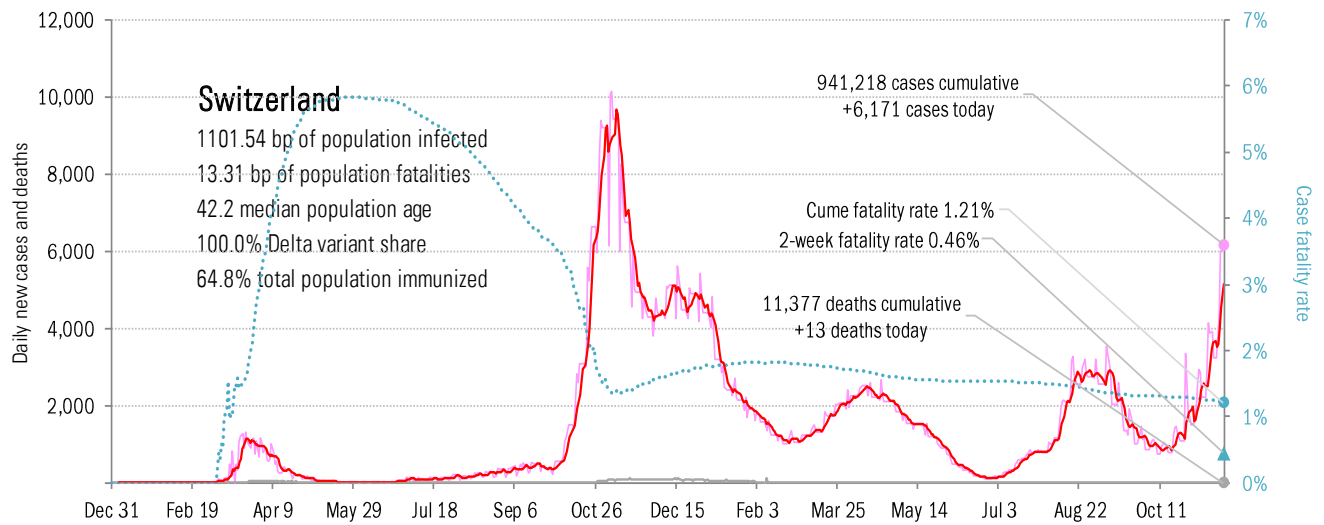
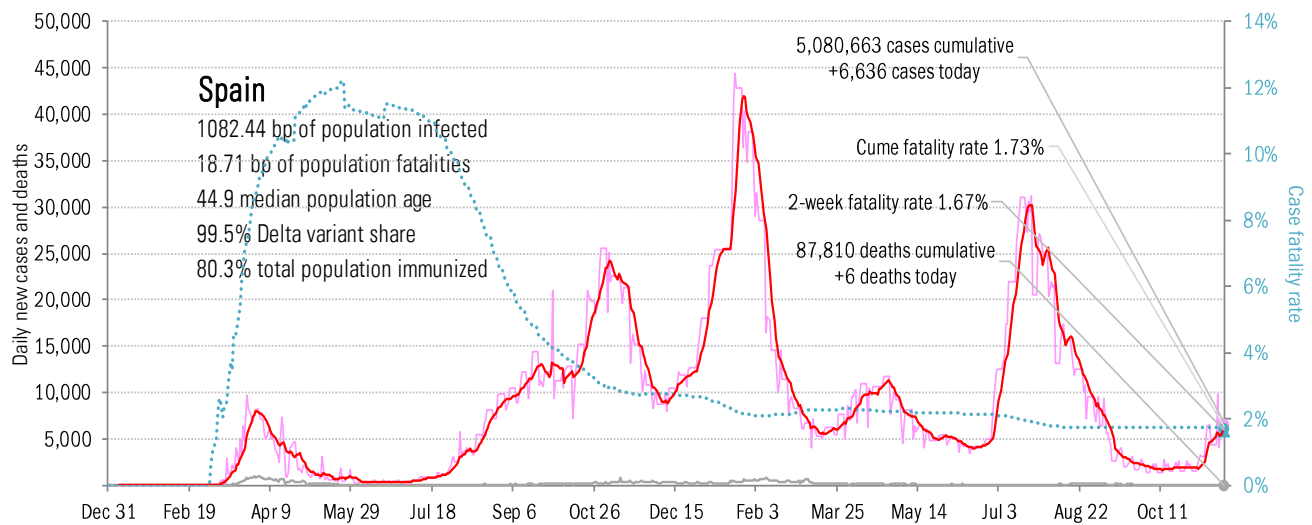
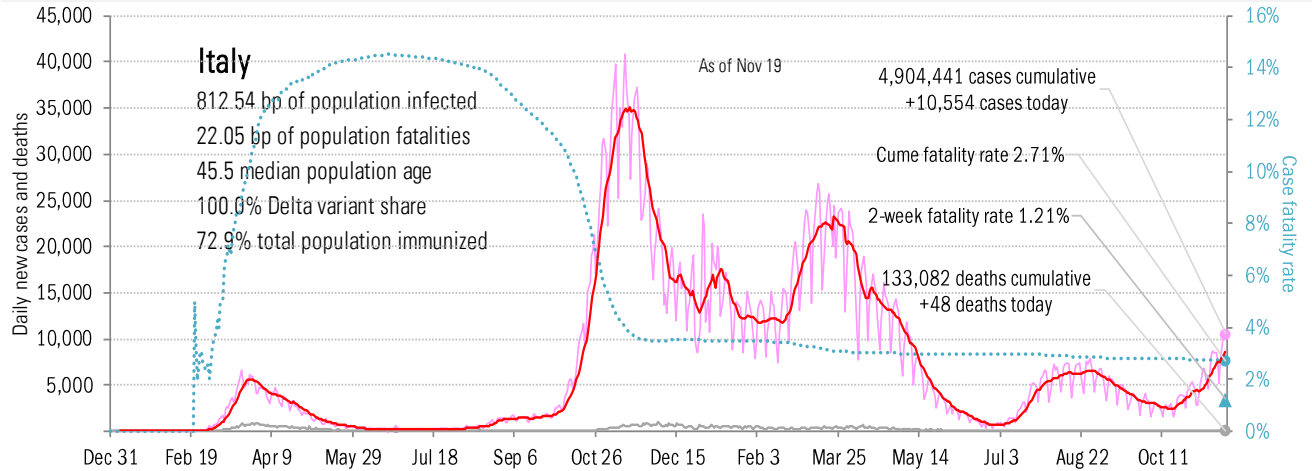
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

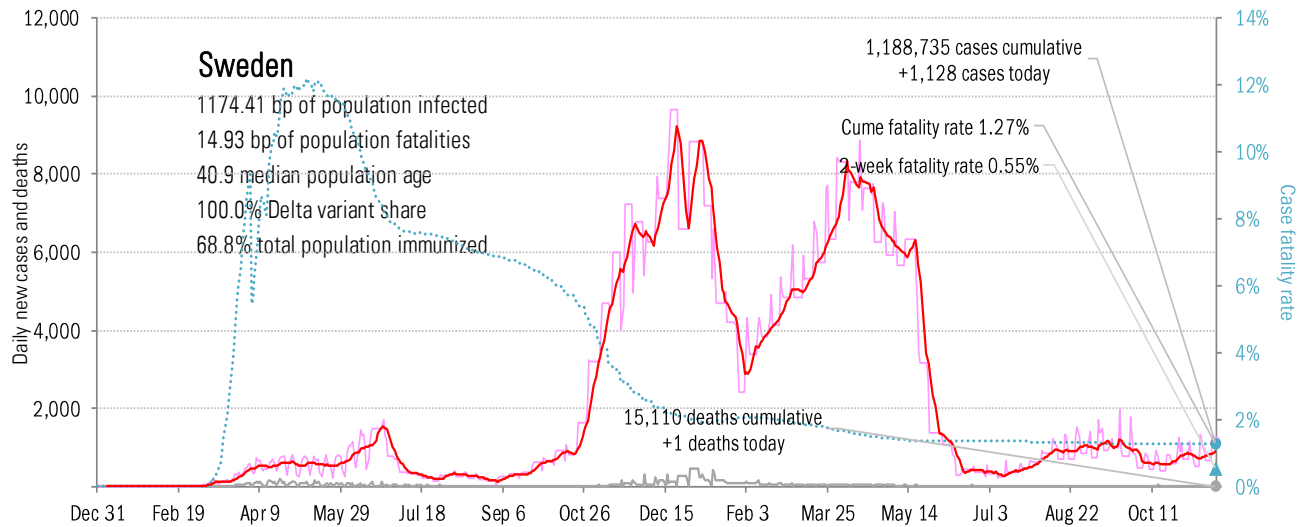
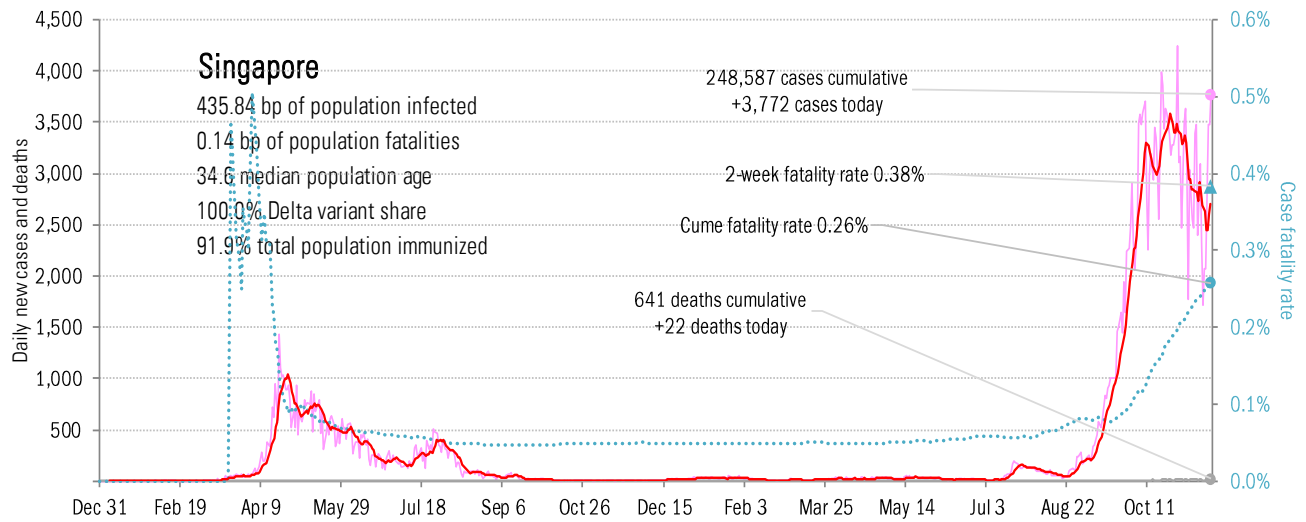
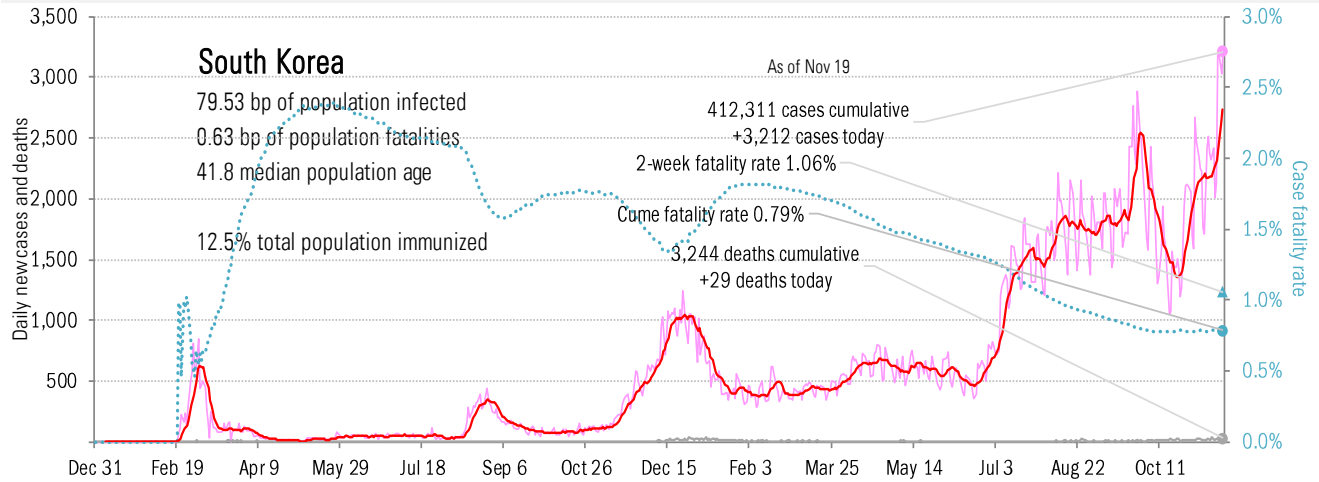
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

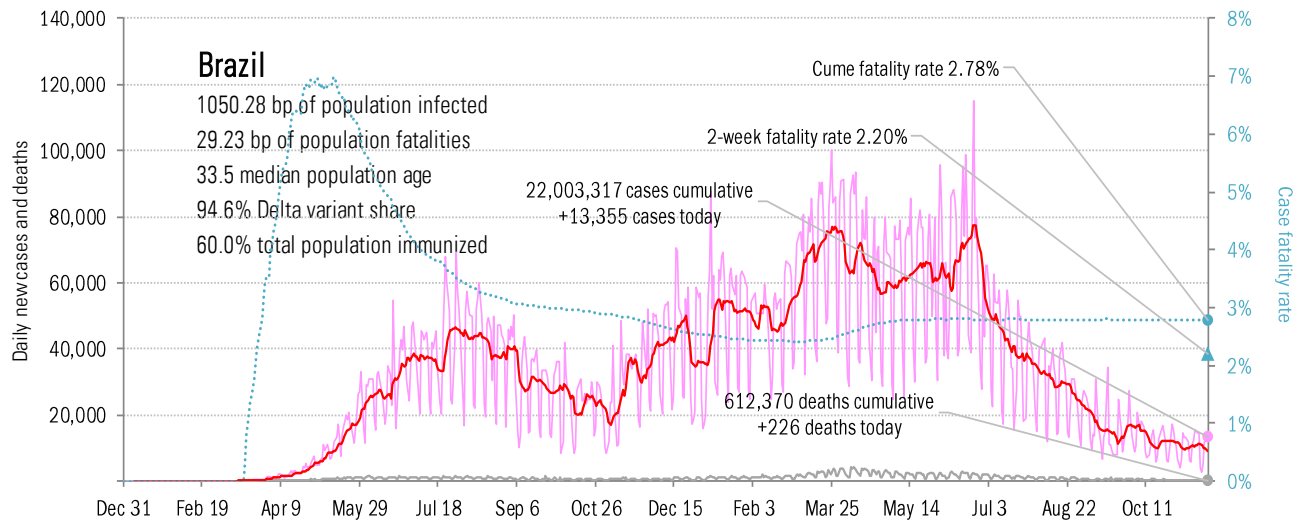
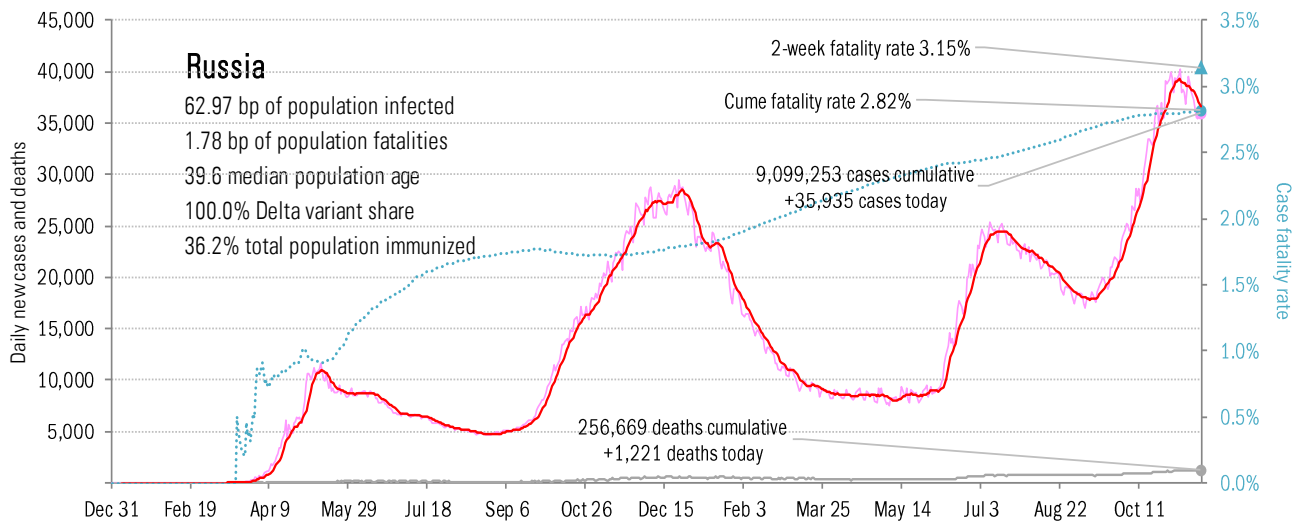
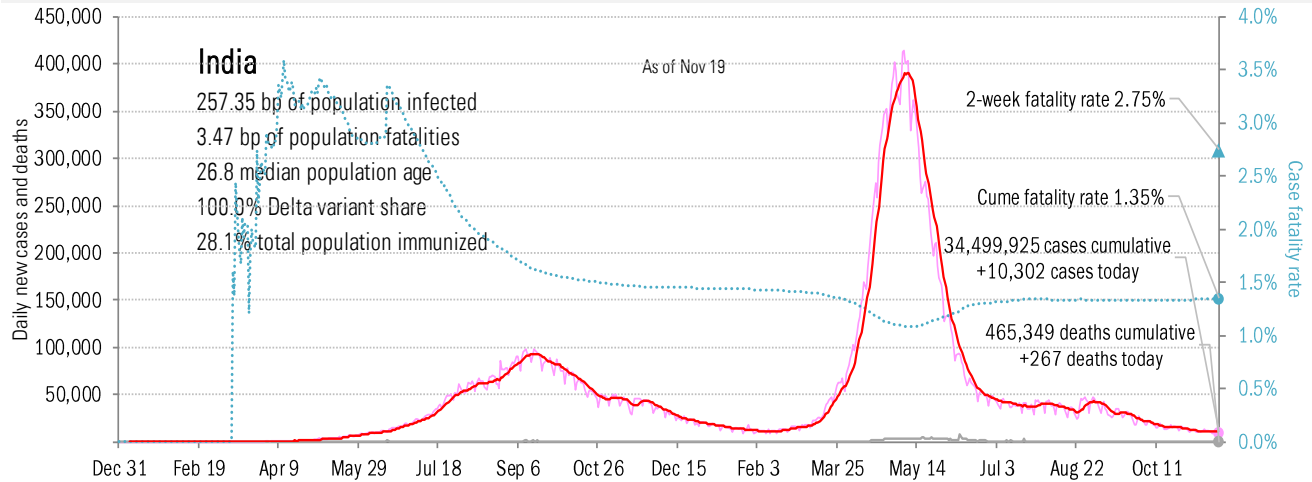
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

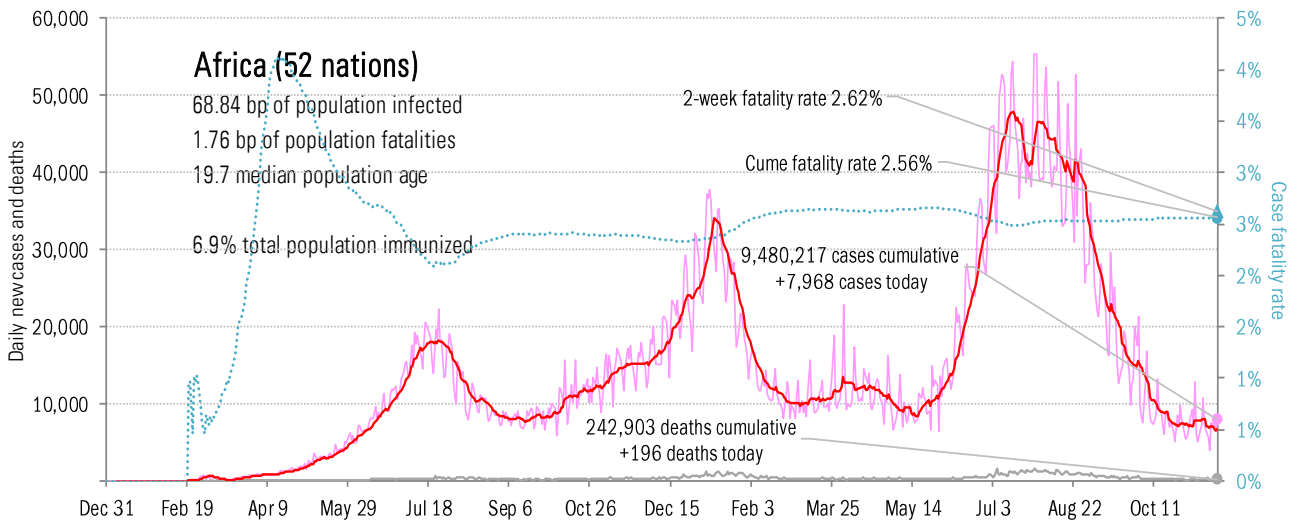
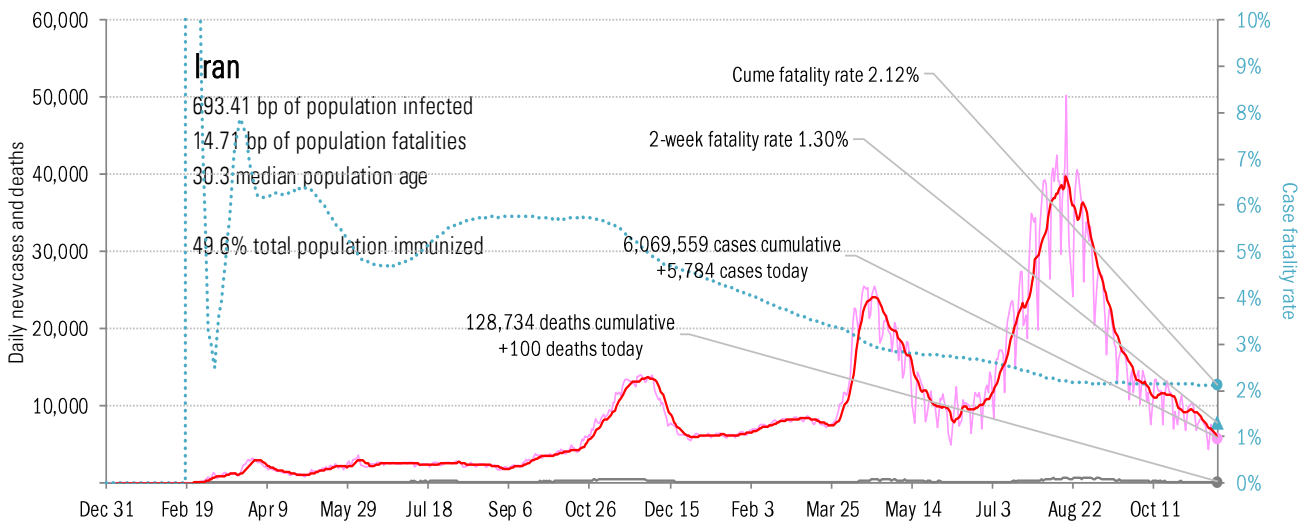
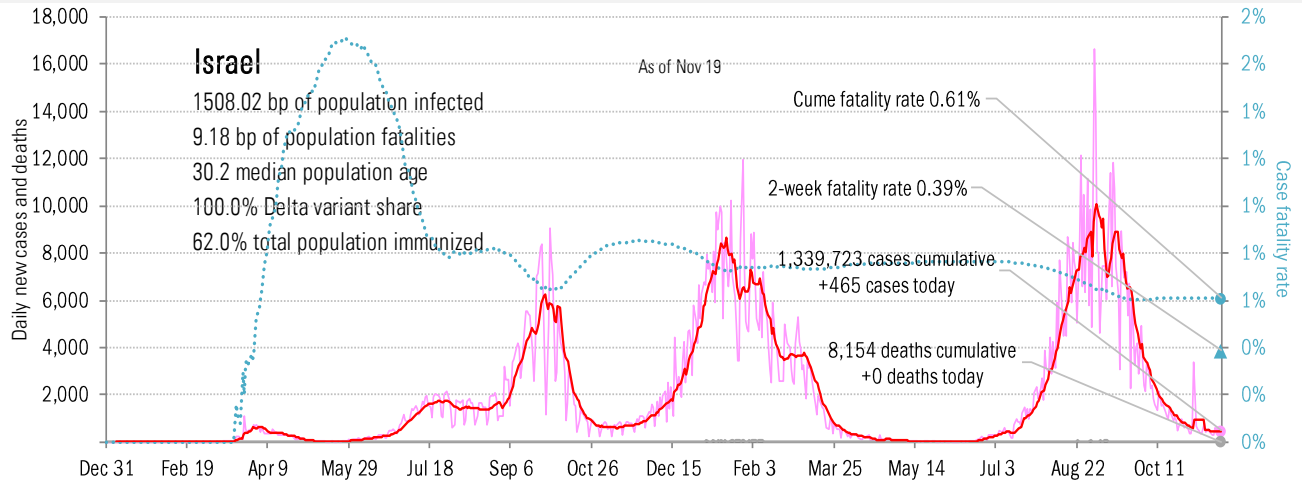
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

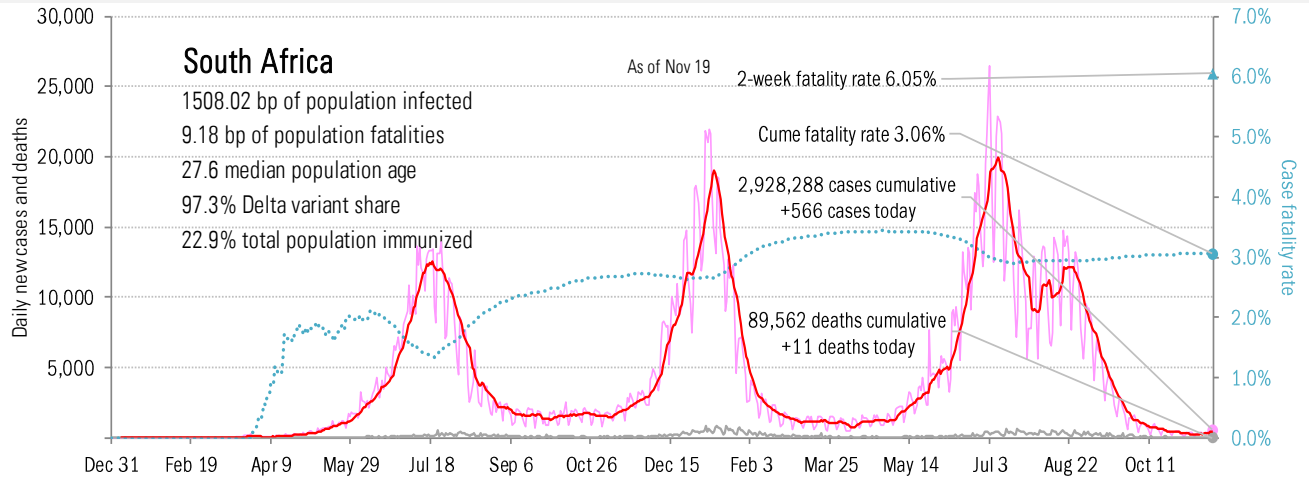


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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