

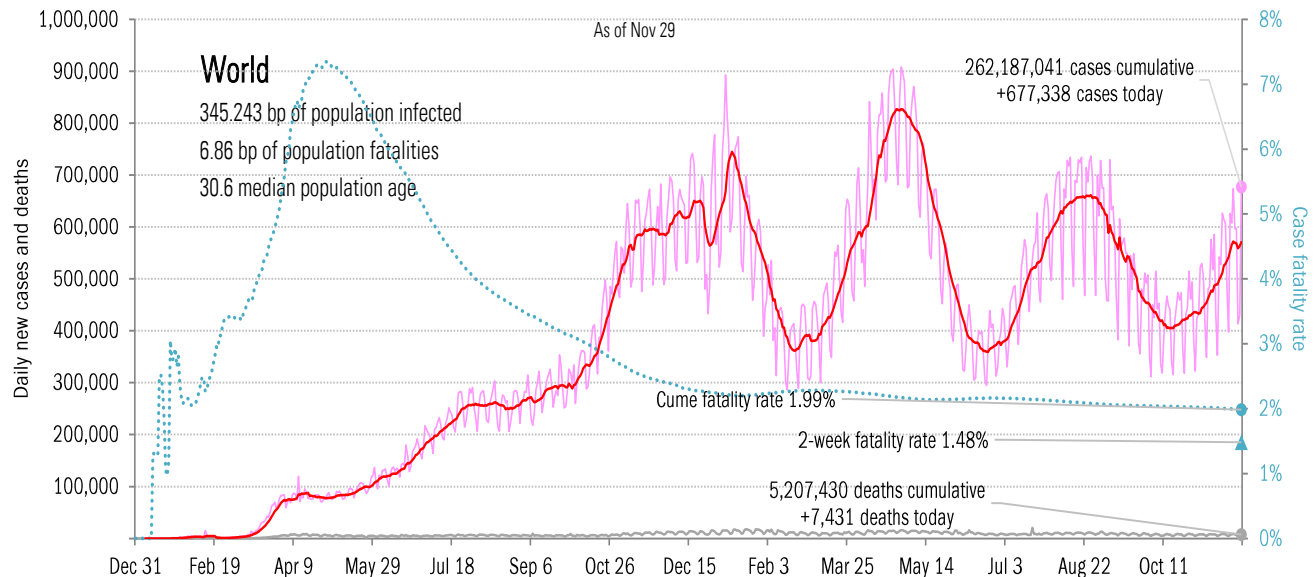
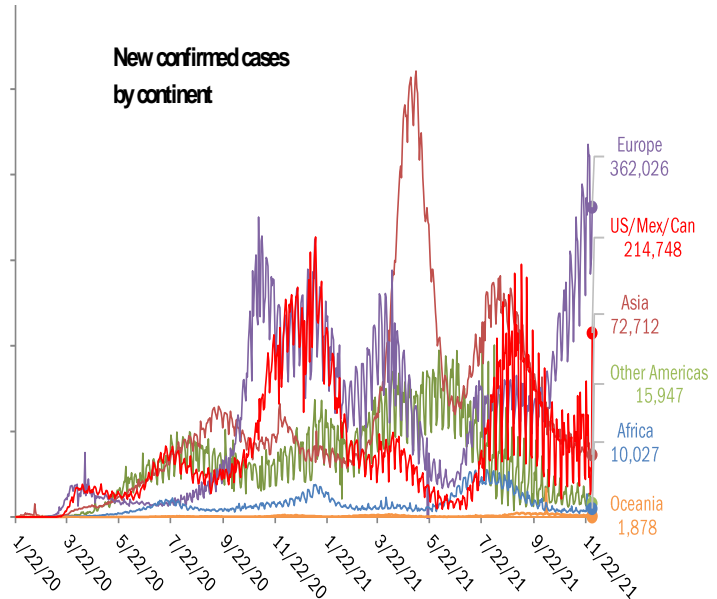
Data Insights: Covid-2019 Monitor

Tuesday, November 30, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+208,745	United States	+1,627
Germany	+50,745	Russia	+1,178
Belgium	+47,836	Hungary	+460
United Kingdom	+42,874	Germany	+390
Russia	+33,170	Ukraine	+328
Hungary	+27,830	Bulgaria	+224
Turkey	+24,317	India	+190
Spain	+22,911	Turkey	+189
Netherlands	+21,483	Vietnam	+173
Switzerland	+19,405	Philippines	+140
+499,316		+4,899	
World +677,338		World +7,431	
Top ten 74%		Top ten 66%	



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

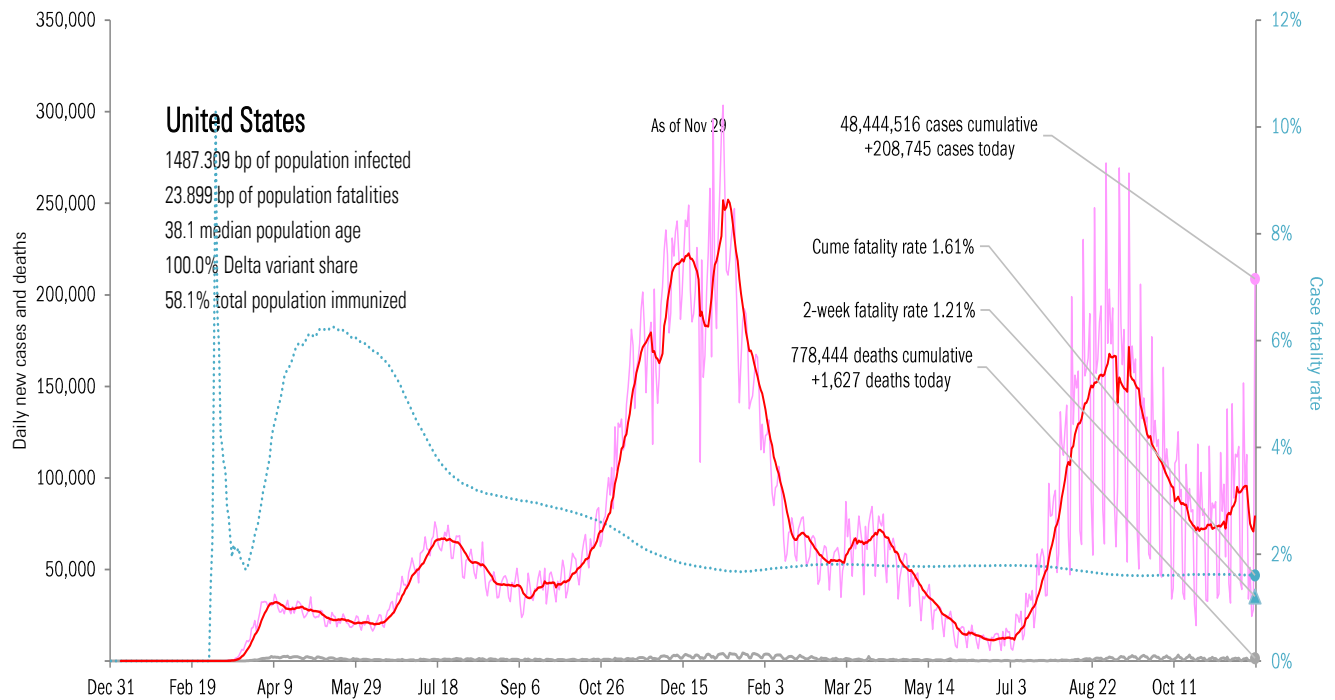
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+27,823		CA	+208		GA	+87		CA	5,078,594		CA	74,367		TX	384,067		NV	83%	NM	90%
IL	+19,261		MI	+155		TX	+68		TX	4,329,309		TX	73,754		FL	323,377		WA	82%	VT	88%
CA	+17,354		TX	+149		IN	+54		FL	3,728,064		FL	61,381		CA	320,287		MA	82%	TX	87%
IN	+12,640		KY	+118		KY	+50		NY	2,722,936		NY	57,477		NY	172,136		PA	82%	MI	87%
TX	+8,175		GA	+113		NJ	+33		IL	1,804,161		PA	33,308		GA	163,260		MI	81%	NH	84%
NC	+8,172		IL	+78		MA	+10		PA	1,731,154		GA	30,471		CH	134,765		CT	80%	PA	83%
NY	+7,601		OK	+56		CR	+9		CH	1,683,472		IL	28,824		PA	126,415		CR	79%	KY	83%
WI	+6,580		FL	+56		IA	+6		GA	1,662,995		NJ	28,348		KY	114,411		MD	78%	MN	83%
MA	+5,790		IN	+52		DC	+4		NC	1,532,250		CH	26,483		IL	110,462		MN	78%	AL	82%
CH	+5,731		CO	+51		LA	+2		MI	1,475,053		MI	25,399		MI	102,757		NC	78%	IA	81%
+119,127			+1,036			+323			25,747,988			439,812			1,951,937						
All states	+208,745		+1,627			-612			All states	48,444,516		778,444			3,507,419			All states	70%	67%	
Top ten	57%		64%			-53%			Top ten	53%		56%			56%			Median	70%	74%	

Some states not reporting

Five most improved US states

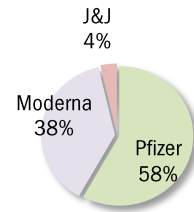
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	FL	-122	MI	-182	MP	+80 bp
IA	-3,999	NE	-14	NY	-160	CA	+30 bp
NE	-2,060	PA	-7	NC	-132	FL	+30 bp
AZ	-313	AZ	-4	PA	-132	MA	+30 bp
AR	-167	MD	-4	CO	-129	NJ	+30 bp



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	471,777,072		+0.973 million		US	58.1%	69.2%	
Boosters	81,056,413		+1.107 million		UK	67.9%	74.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	69.6%	76.8%
Total population	238,624,595	71%	201,879,530	60%	+0.129 million	Spain	80.4%	81.9%
Age 12 to 17	14,640,759	61%	12,247,794	51%	+0.009 million	Germany	67.9%	70.7%
Age 18 to 64	162,174,314	80%	139,699,169	69%	+0.085 million	Italy	73.0%	78.2%
Age 65 and over	56,776,365	100%	48,888,154	89%	+0.016 million	Australia	72.7%	77.6%



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

Every American >18 immunized in **202 days** by Jun 19, 2022
 72.9% of population >18 immunized
 17.0% previously tested positive
89.9% vs 60% adult herd immunity

Israel	62.2%	68.1%
Canada	76.2%	79.9%
Japan	77.2%	79.2%
Africa	7.2%	10.9%
India	31.7%	56.4%
Brazil	62.4%	76.7%
China	74.5%	84.8%

Global data differs due to sources, timing

AK
62.5%
54.1%

WI
65.8%
59.5%

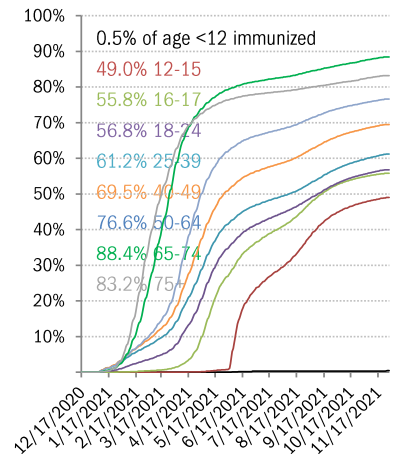
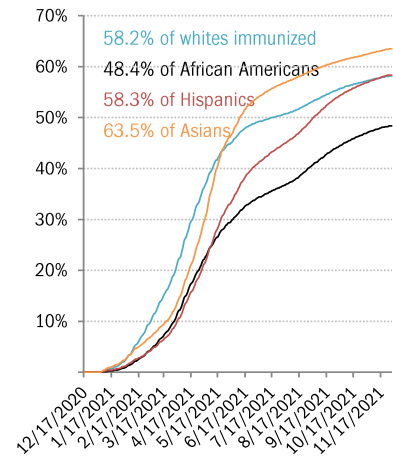
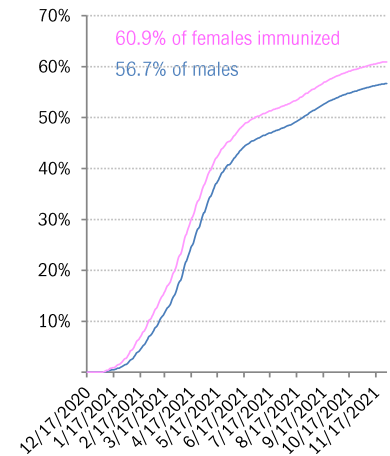
As of Nov 29

ME
81.7%
72.1%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
72.5%	50.7%	59.7%	57.8%	68.7%	69.3%	60.9%	78.1%	85.4%	87.4%	
64.9%	45.2%	51.8%	48.7%	62.3%	61.6%	54.5%	68.4%	72.9%	64.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
71.4%	66.4%	53.5%	66.6%	62.2%	55.6%	58.4%	81.5%	79.0%	85.7%	
64.0%	54.4%	45.5%	54.4%	56.5%	50.6%	53.0%	58.3%	67.8%	71.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
78.8%	63.9%	71.4%	63.7%	59.5%	60.2%	53.9%	75.5%	76.8%	83.9%	83.0%
63.1%	55.3%	63.2%	57.2%	50.8%	52.1%	41.5%	64.9%	67.5%	71.9%	72.5%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
64.2%	76.5%	65.9%	60.4%	56.7%	70.0%	60.2%	81.5%	71.4%		
54.6%	63.5%	54.5%	49.3%	49.5%	54.1%	51.4%	64.4%	60.9%		
OK	LA	MS	AL	GA						
62.8%	55.6%	53.7%	56.4%	58.7%						
51.5%	48.9%	46.9%	46.1%	49.4%						
TX	FL	PR								
64.0%	71.8%	84.8%								
54.6%	61.3%	74.1%								

HI
82.0%
60.9%

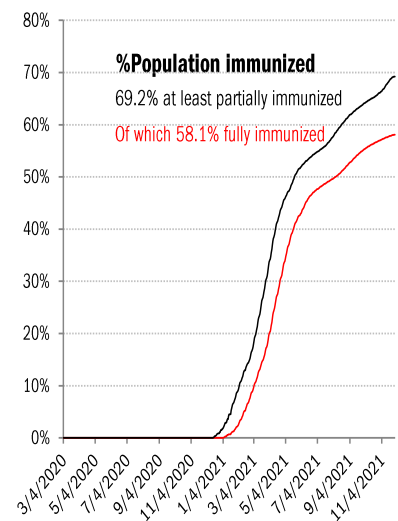
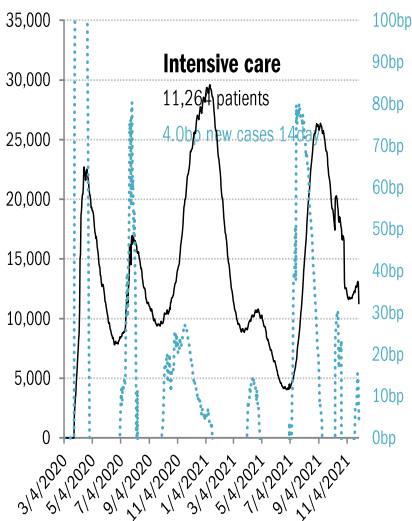
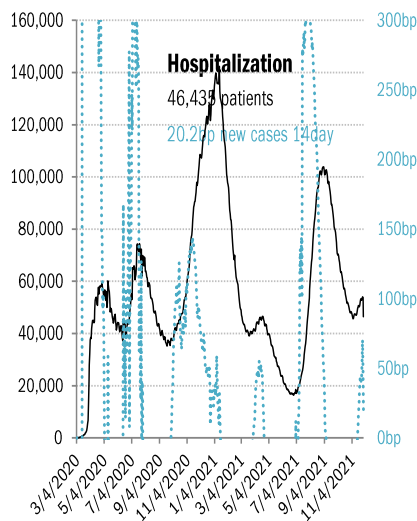
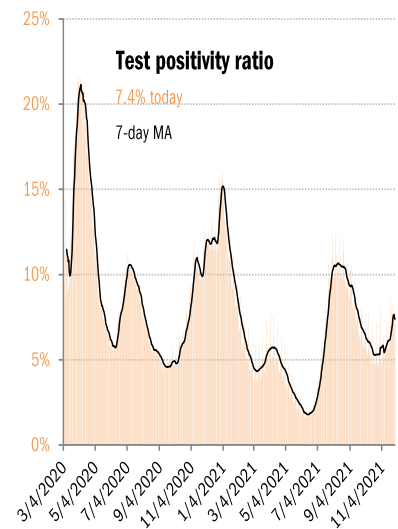
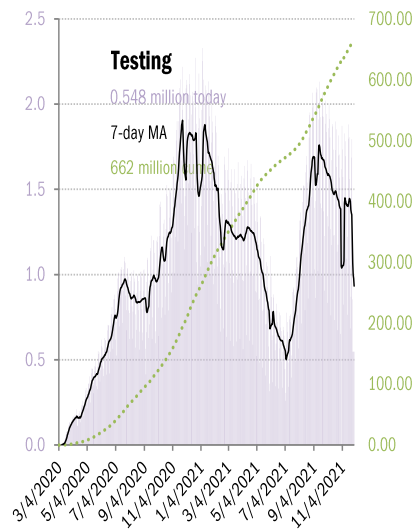
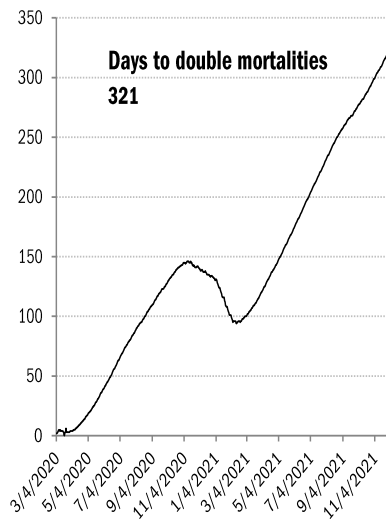
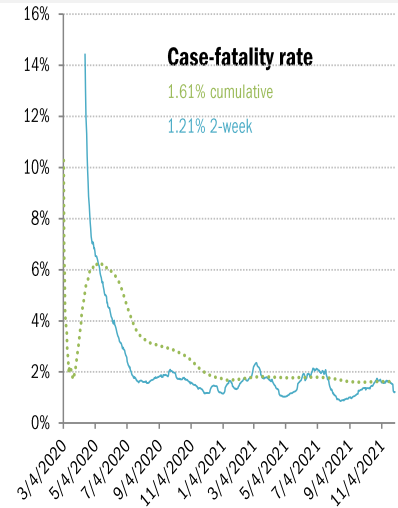
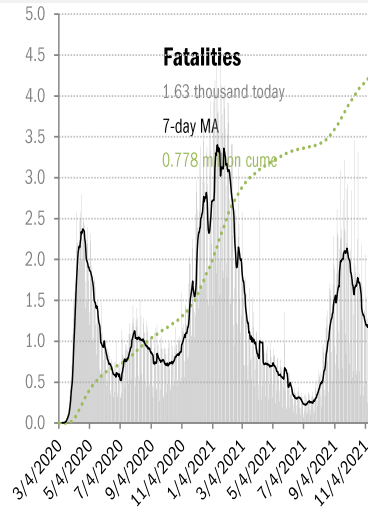
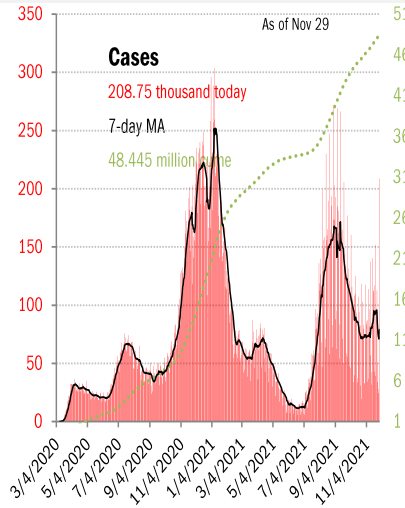
The demographics of US vaccination



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

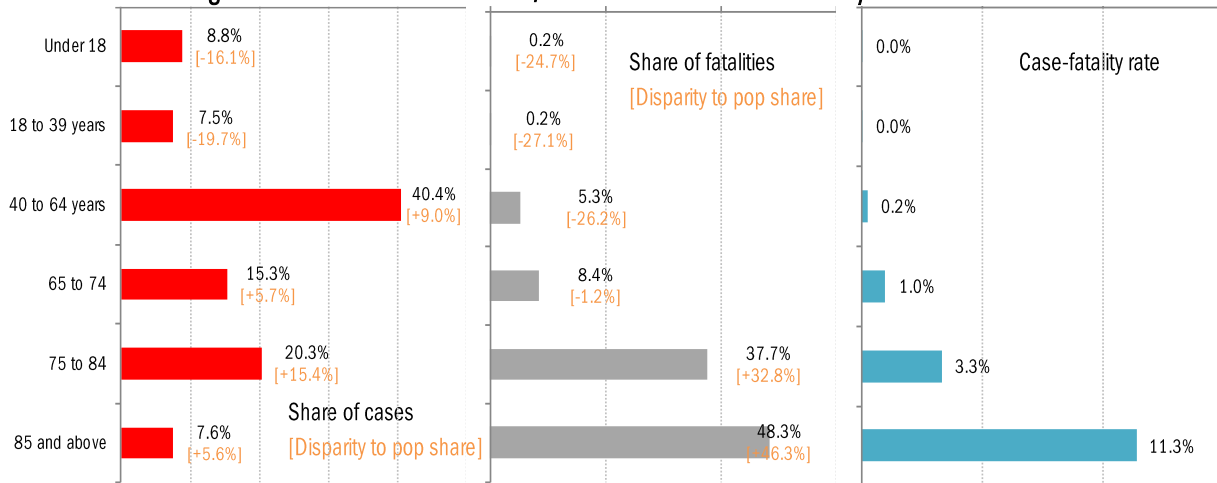
US deep-dive

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

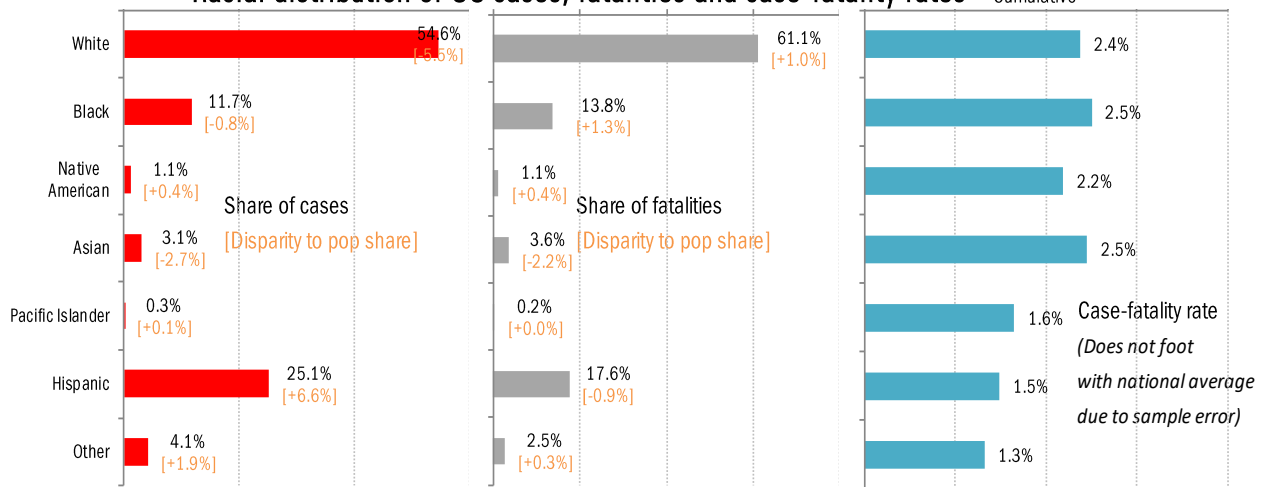


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

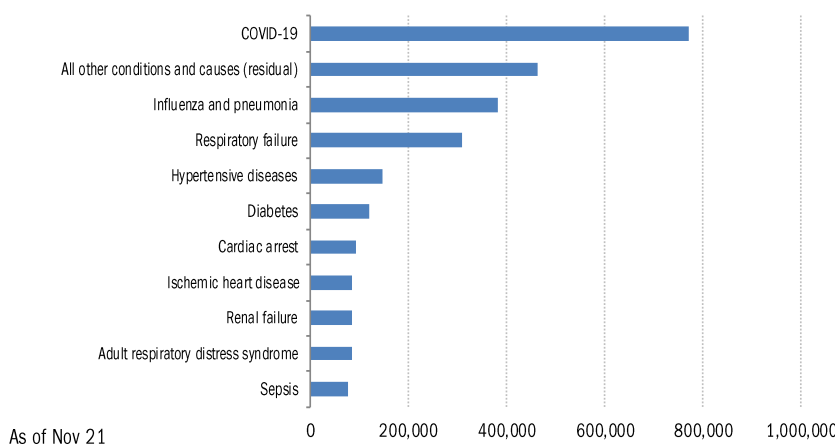


Racial distribution of US cases, fatalities and case-fatality rates



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

[Moderna chief predicts existing vaccines will struggle with Omicron](#)

Jamie Smyth
Financial Times
November 30, 2021

[As omicron emerges, a tired public has little appetite for new restrictions](#)

Annie Linskey and Fenit Nirappil
Washington Post
November 29, 2021

[Joe Biden Omicron Variant COVID-19 Briefing Transcript](#)

Rev Speech to Text Services
November 29, 2021

[Health Department adds antigen tests on the line list of Covid-19 statistics](#)

Health Department, Republic of South Africa
November 23, 2021

[Antiviral Covid Pills Are Coming. Will There Be Enough Tests?](#)

Emily Anthes
New York Times
November 29, 2021

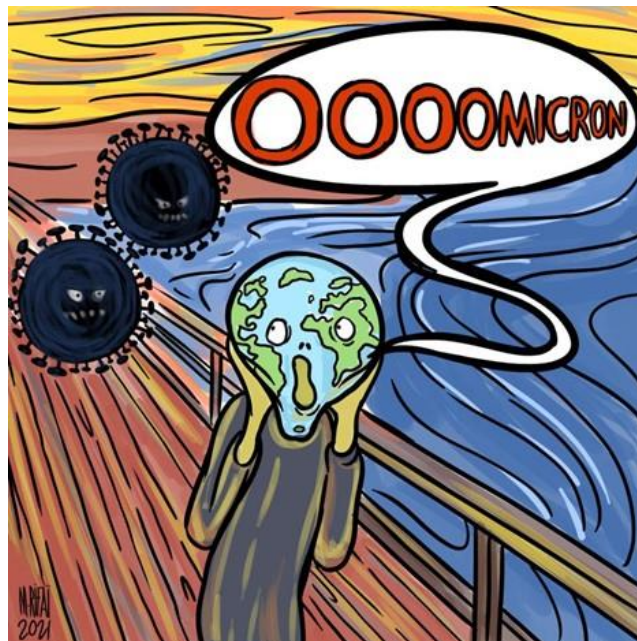
[Israel Bans All Foreigners Except Beautiful Women Due to Omicron Variant](#)

Jack Dutton
Newsweek
November 29, 2021

[Former Pro Calls For "Investigation" After Another Football Player Suddenly Collapses](#)

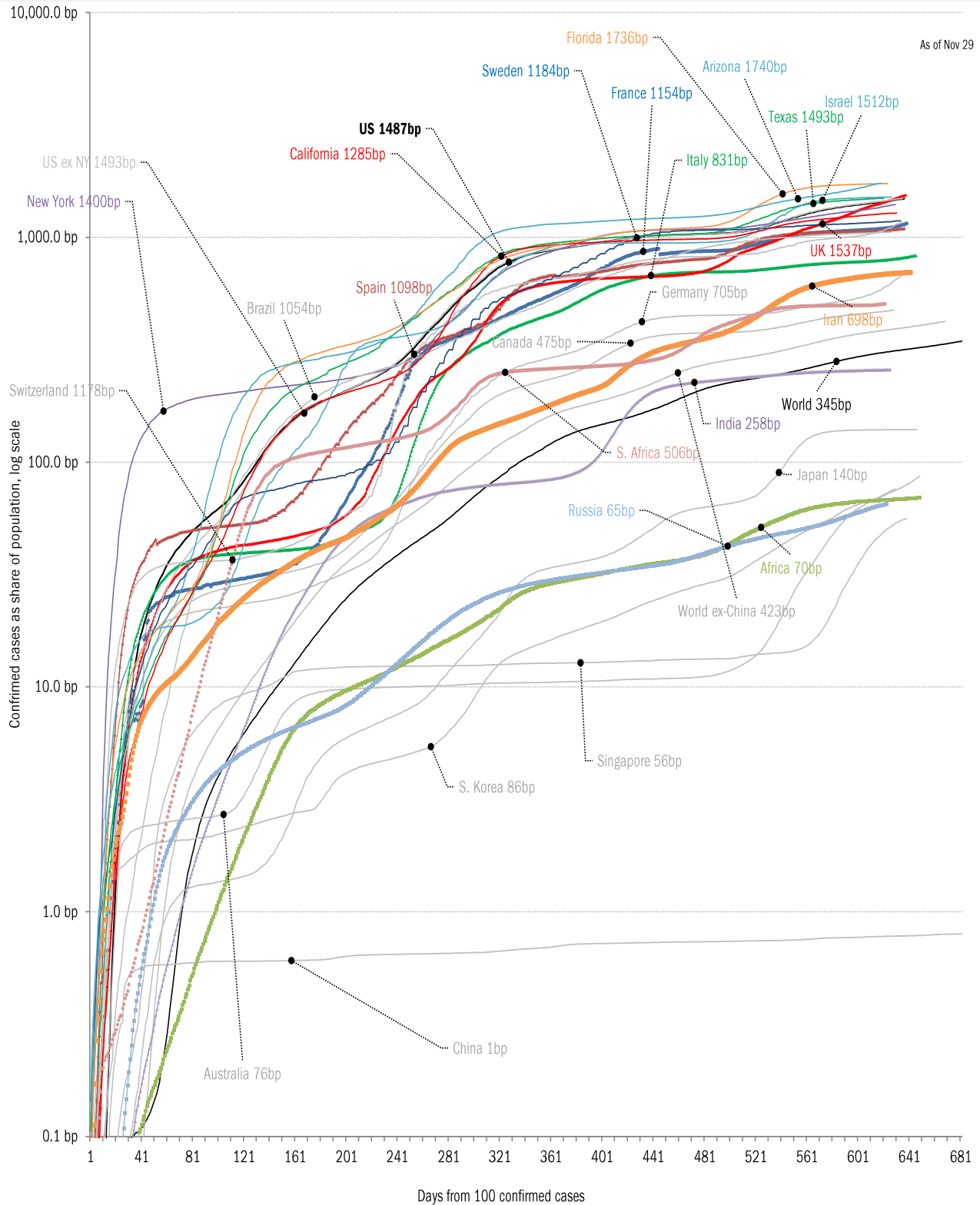
Paul Joseph Watson
Citizens Journal
November 24, 2021

Meme of the day



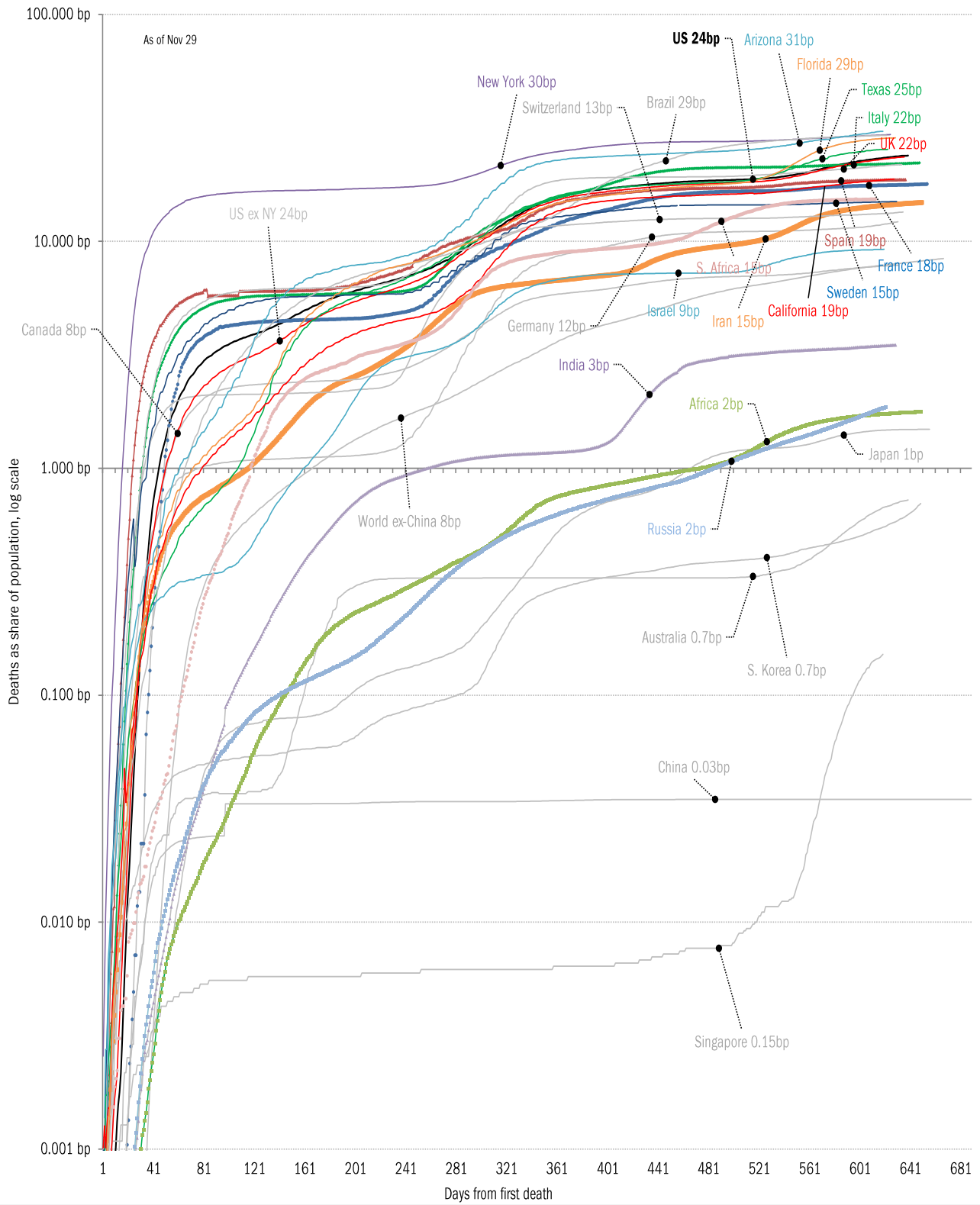
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

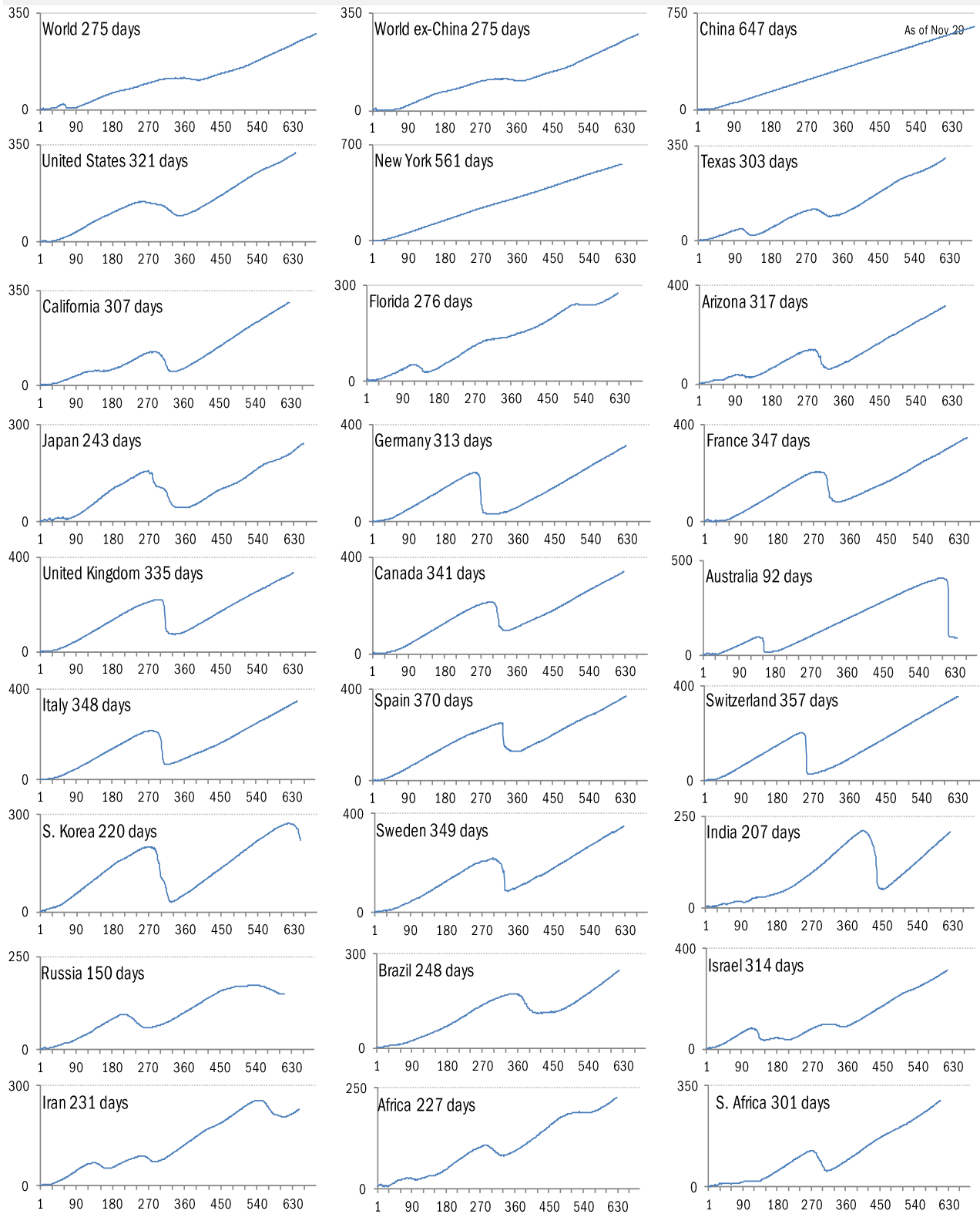


Source: [Johns Hopkins](#), TrendMacro calculations

"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

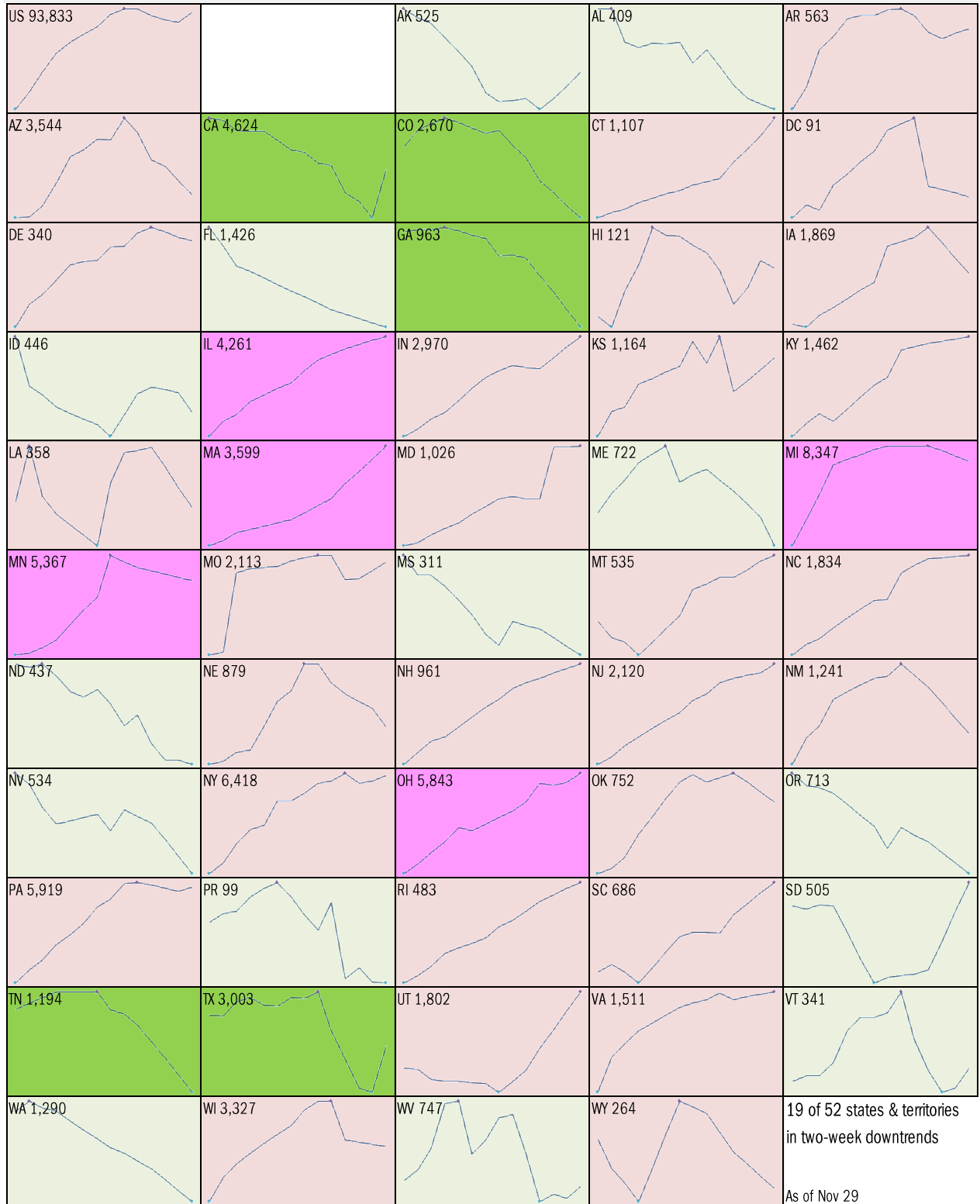


Source: [Johns Hopkins](#), TrendMacro calculations

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

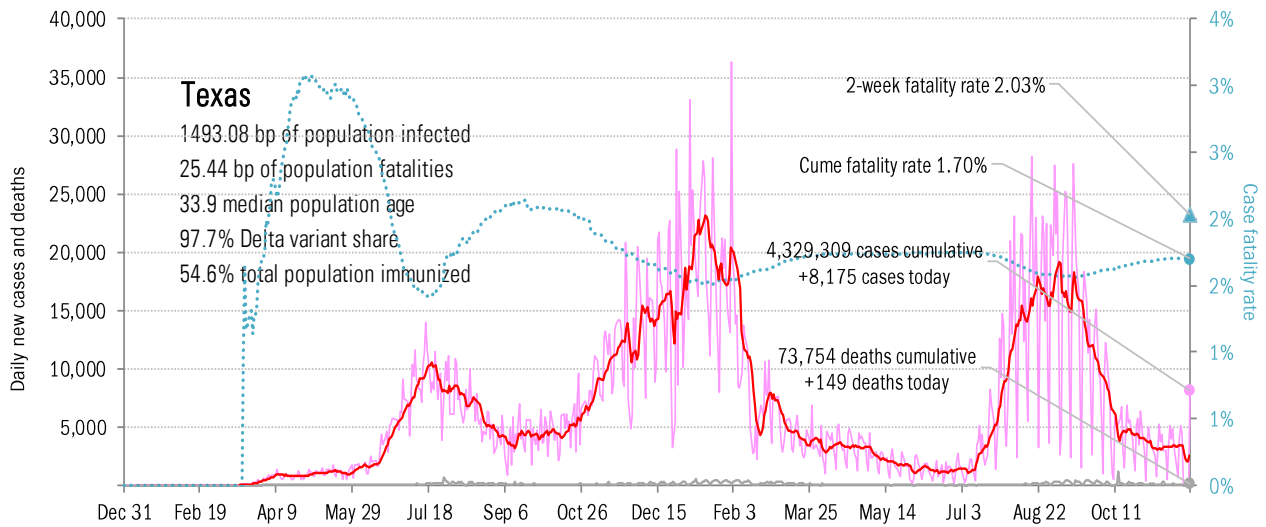
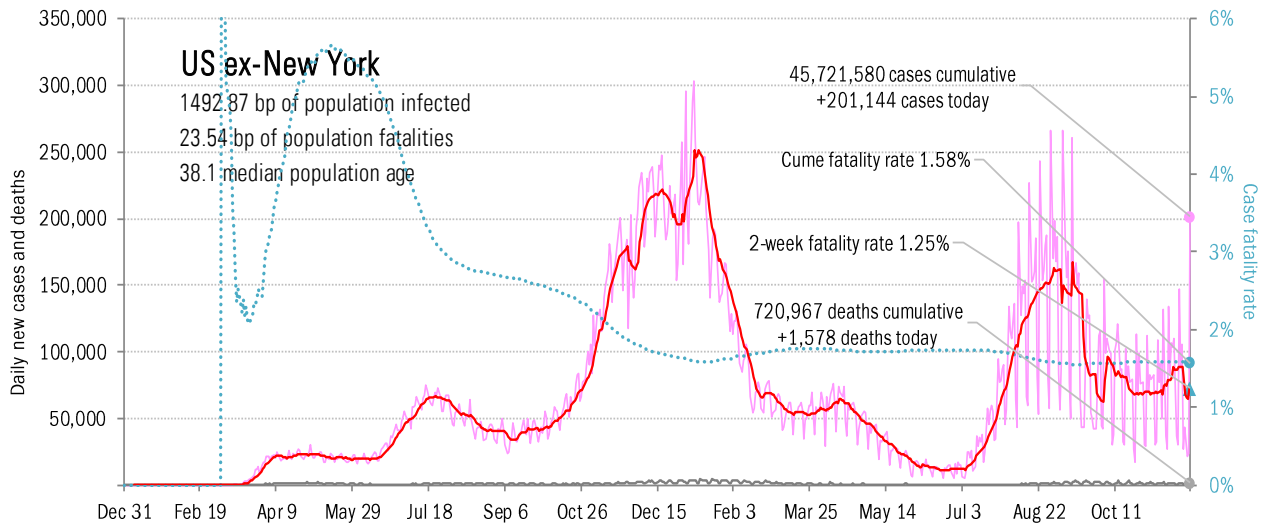
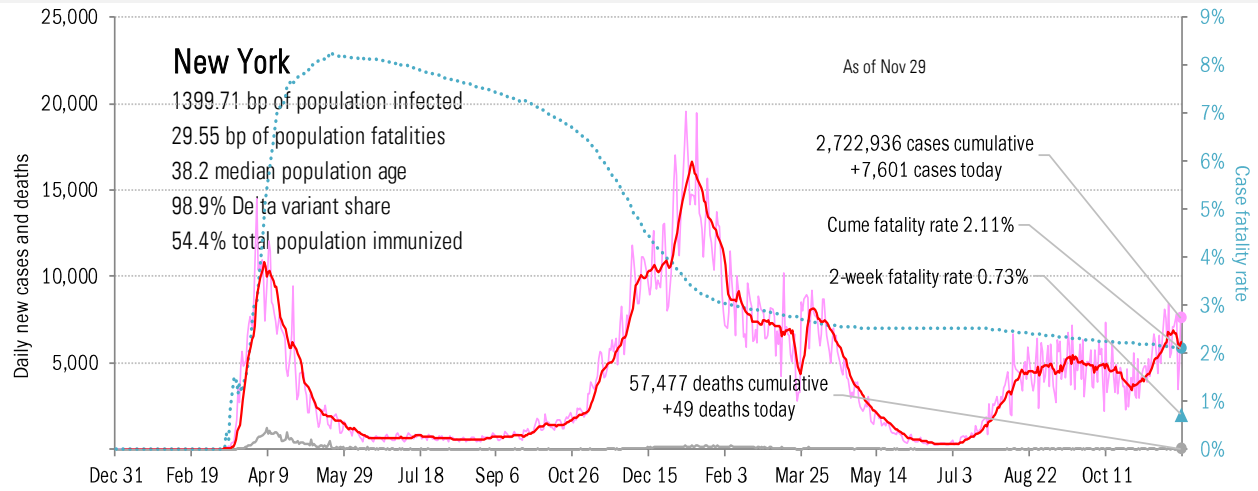
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

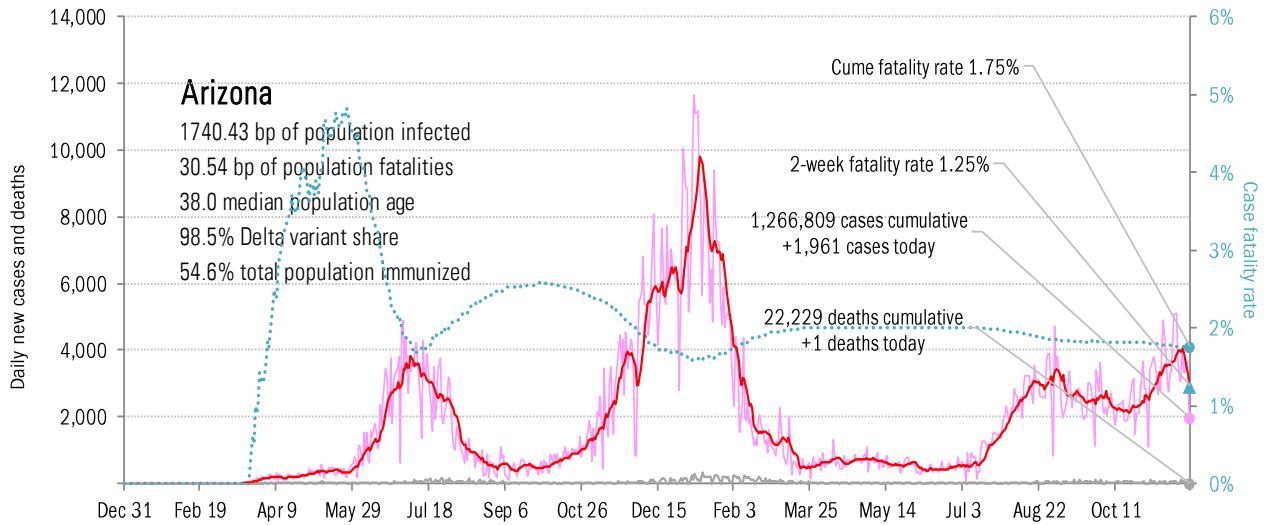
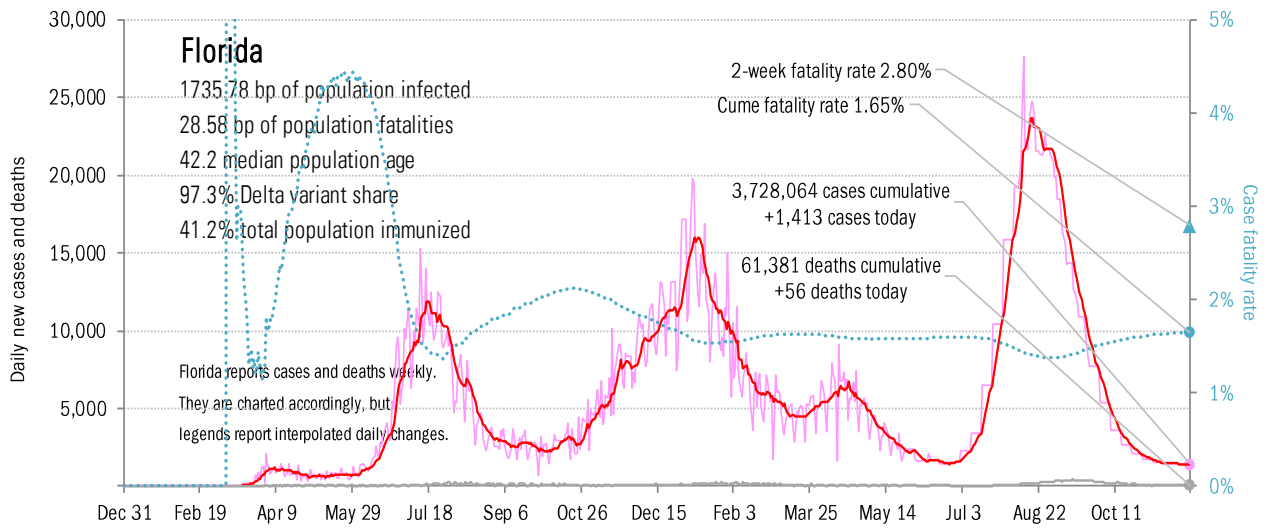
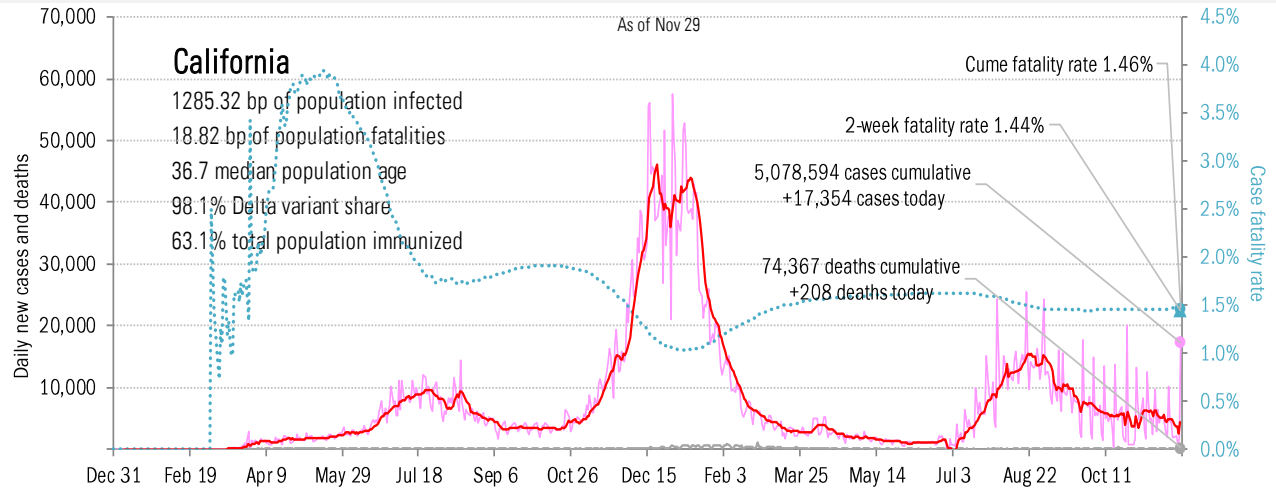
Cases: 7-day average and daily Deaths: Daily



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

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

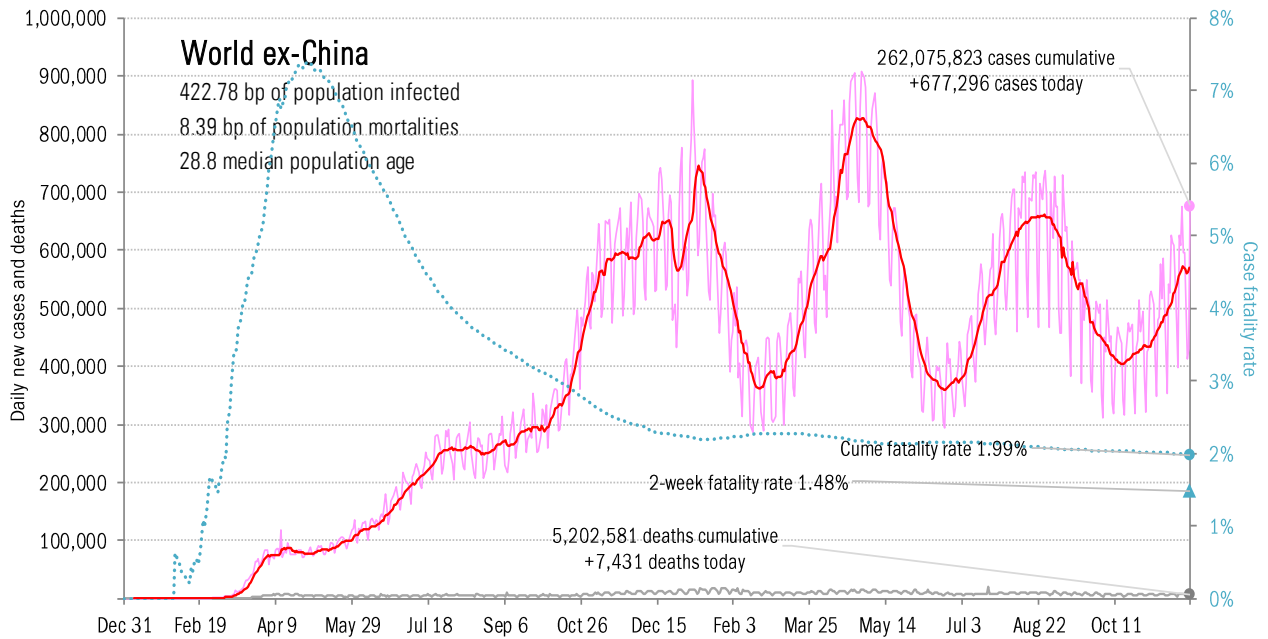
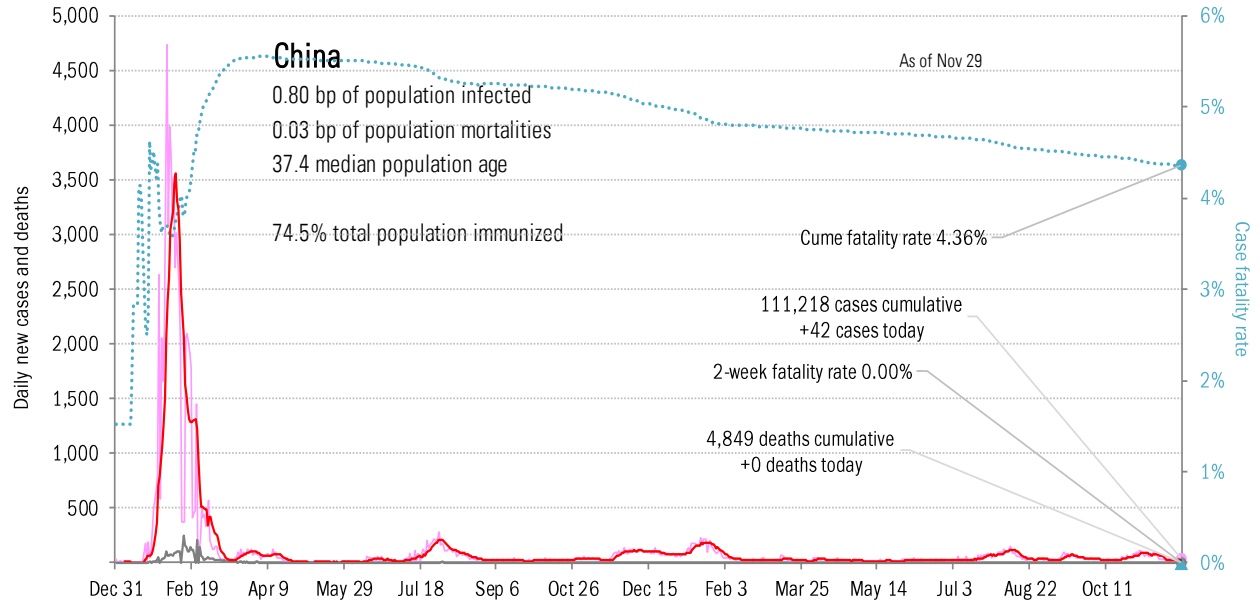
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

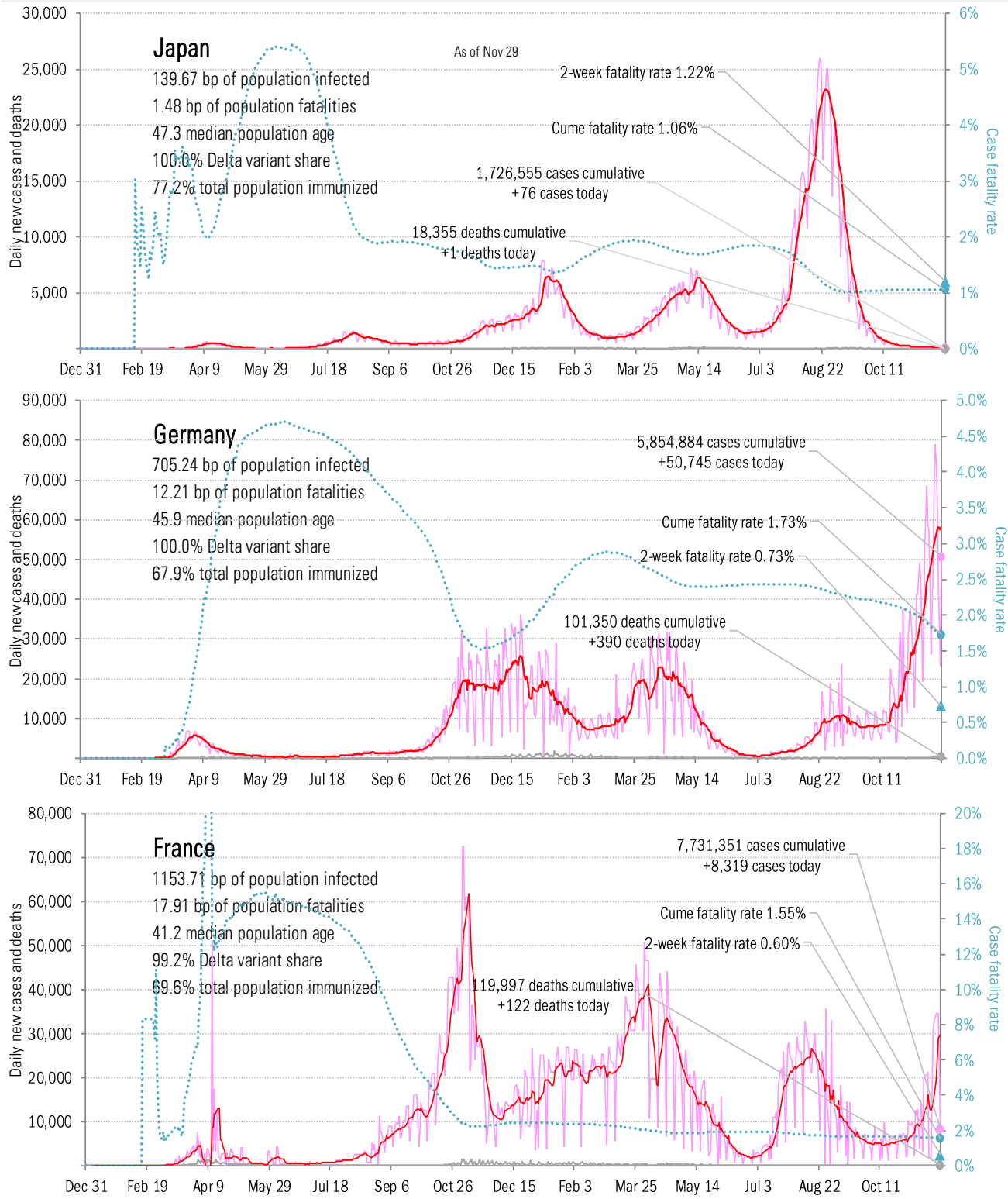
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

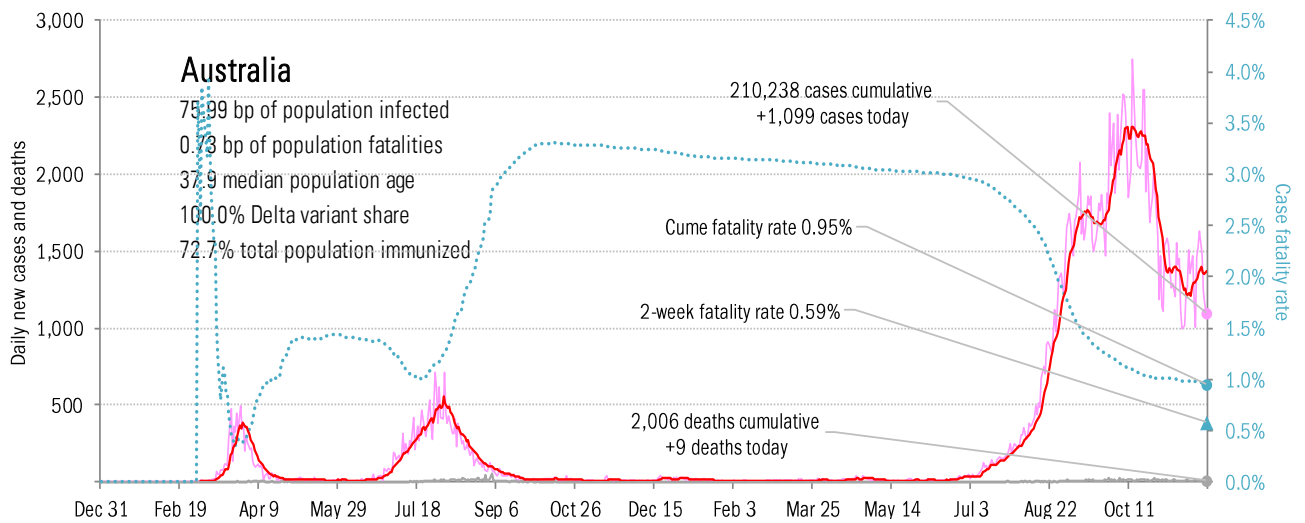
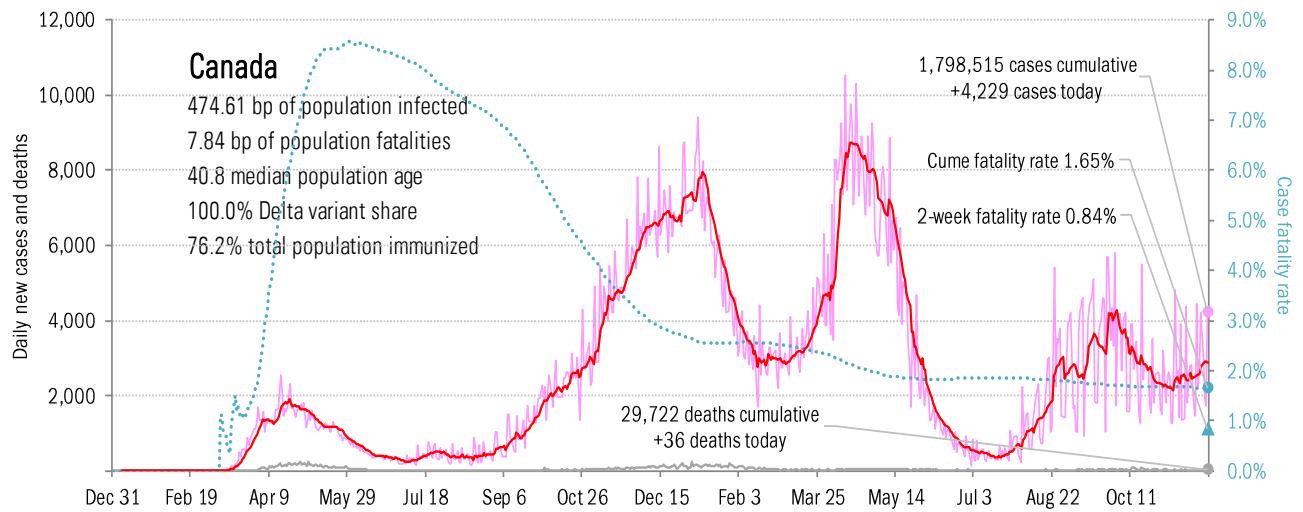
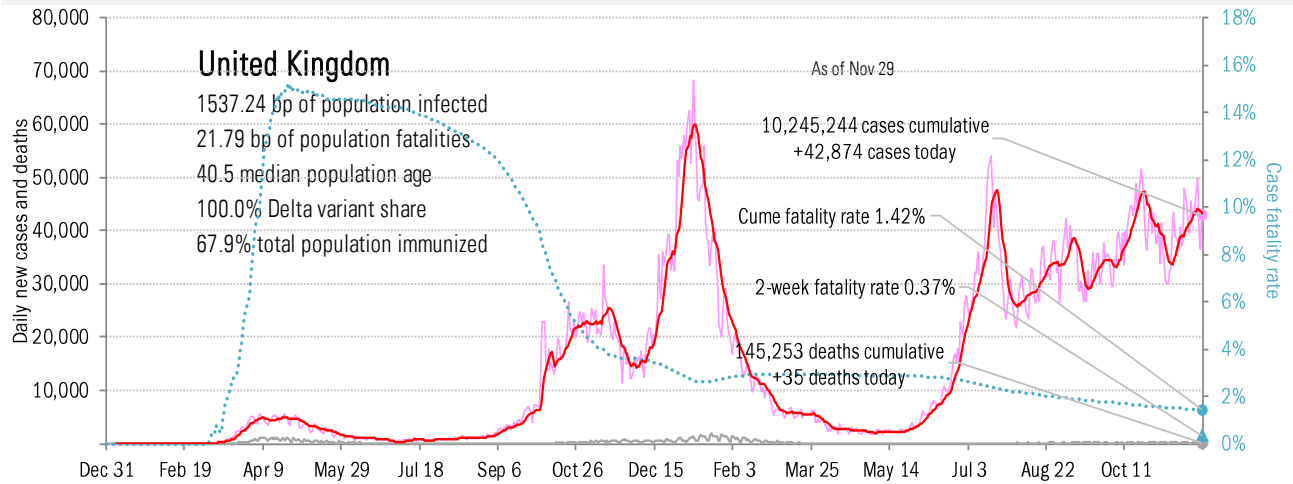
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

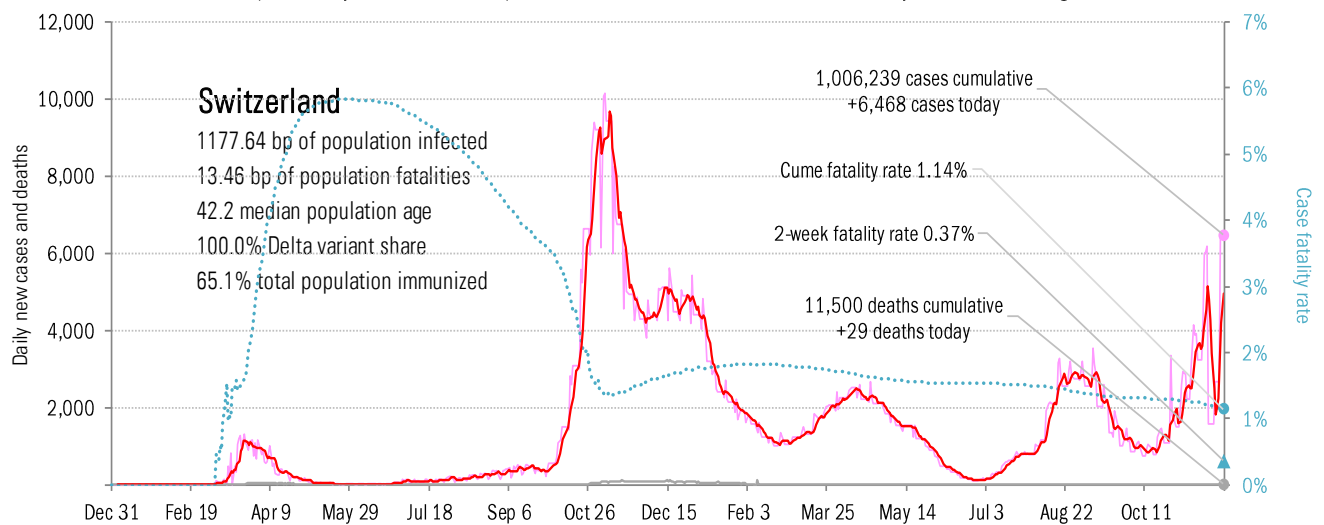
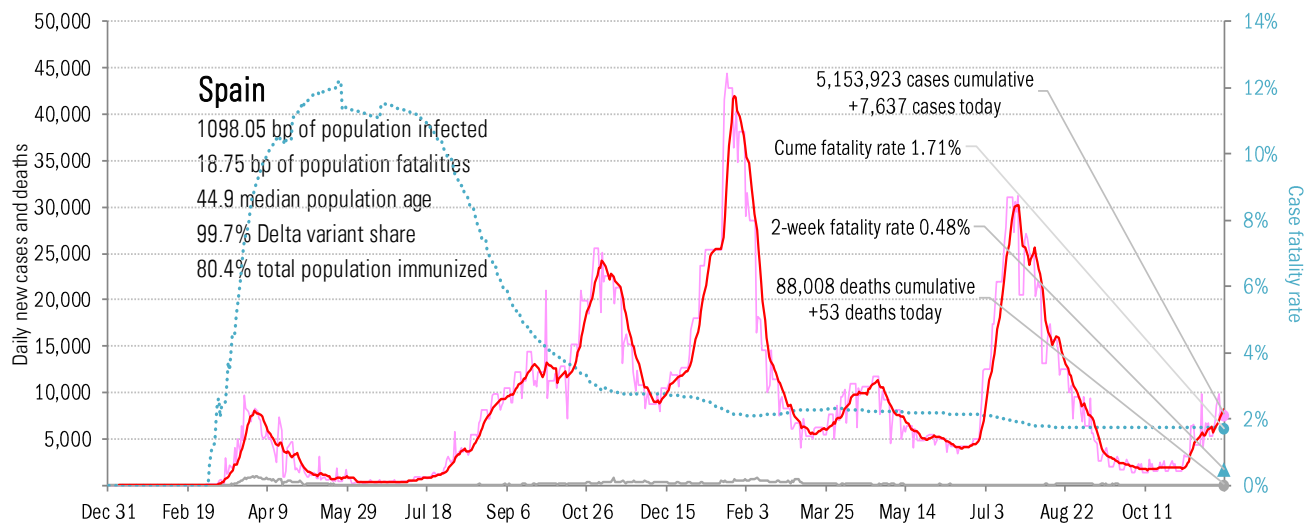
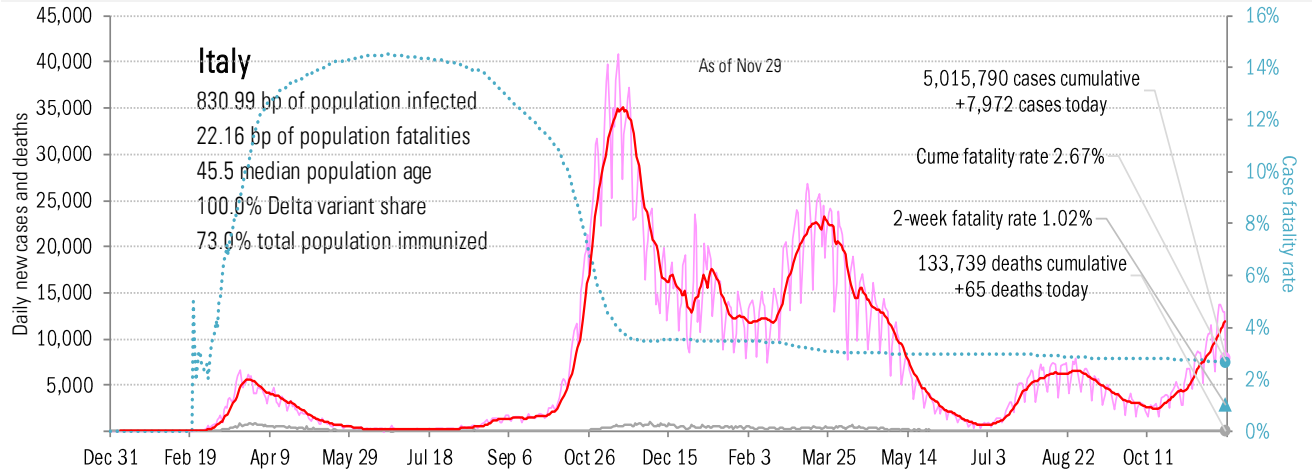
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

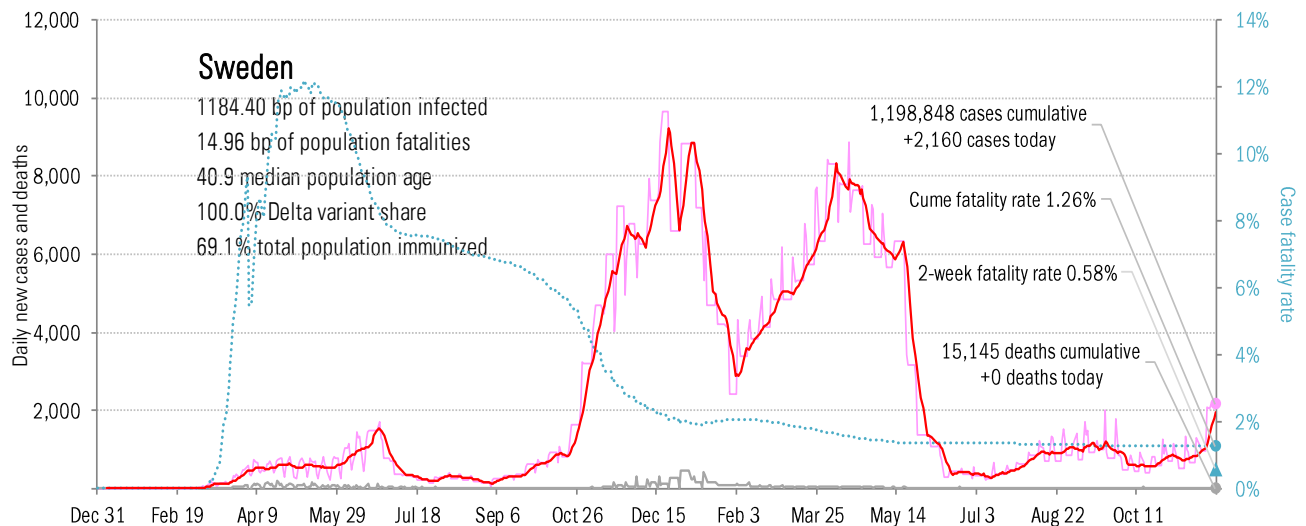
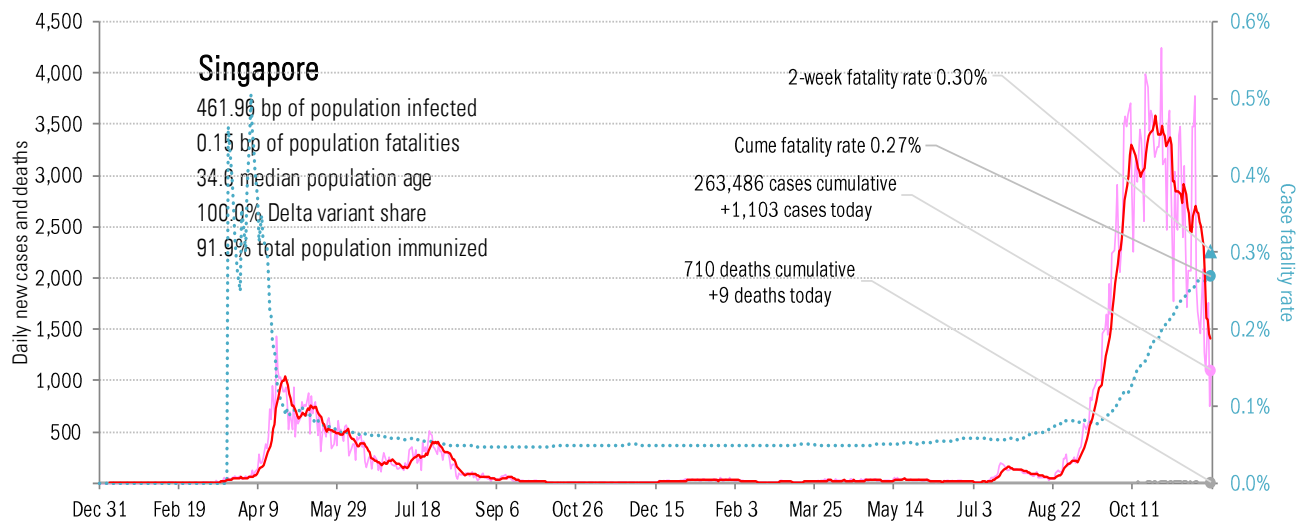
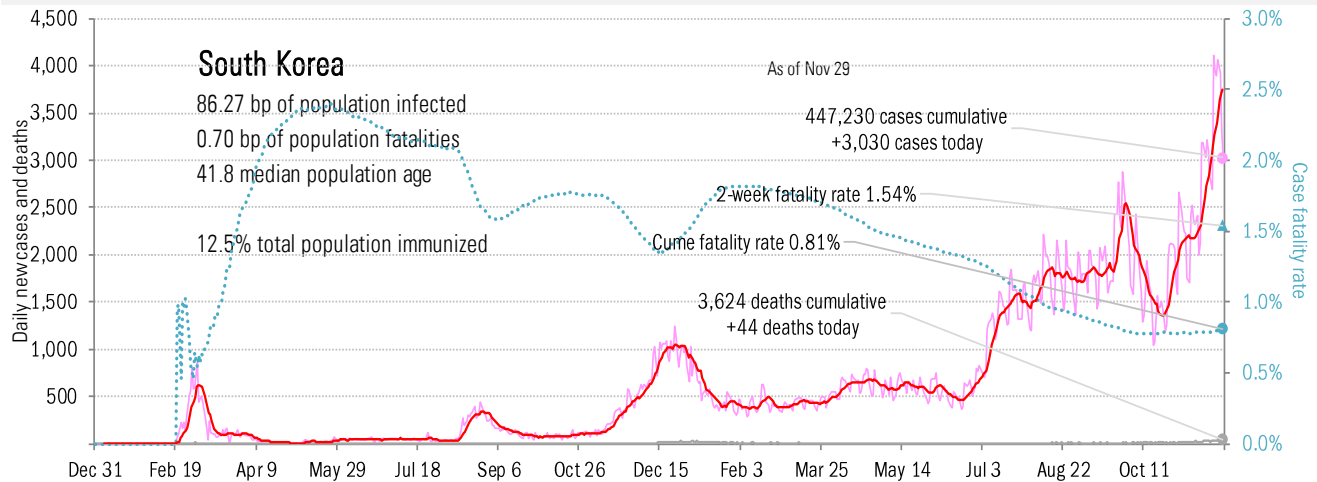
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

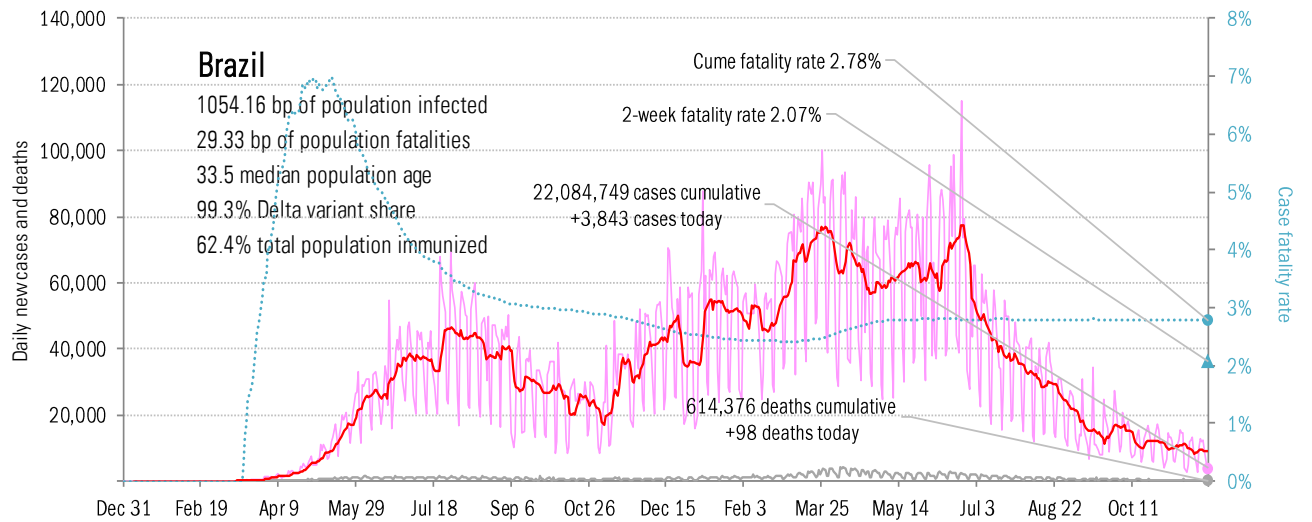
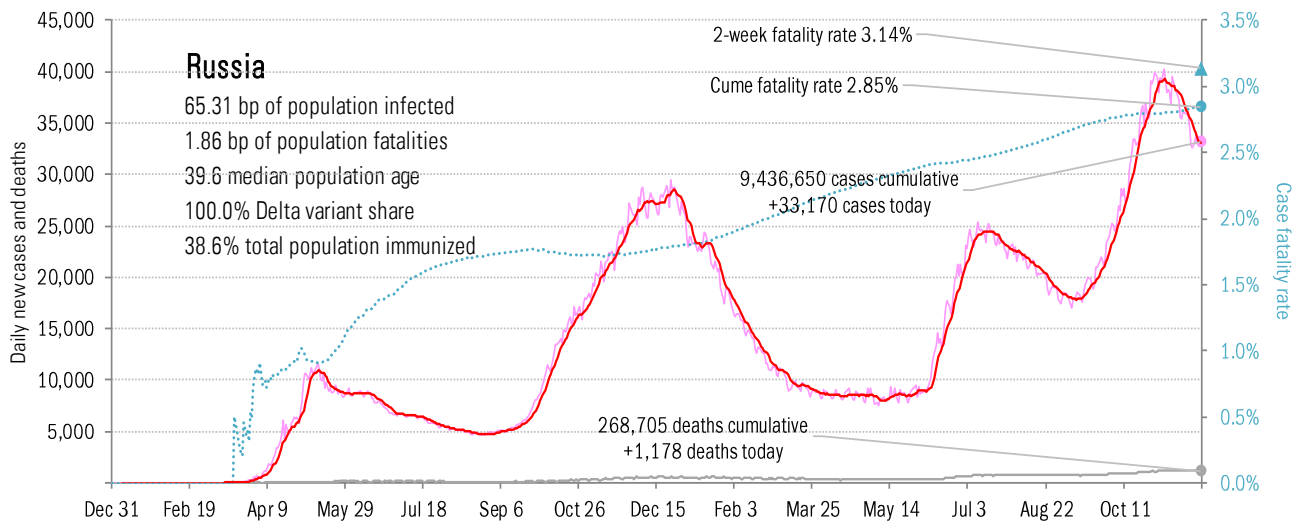
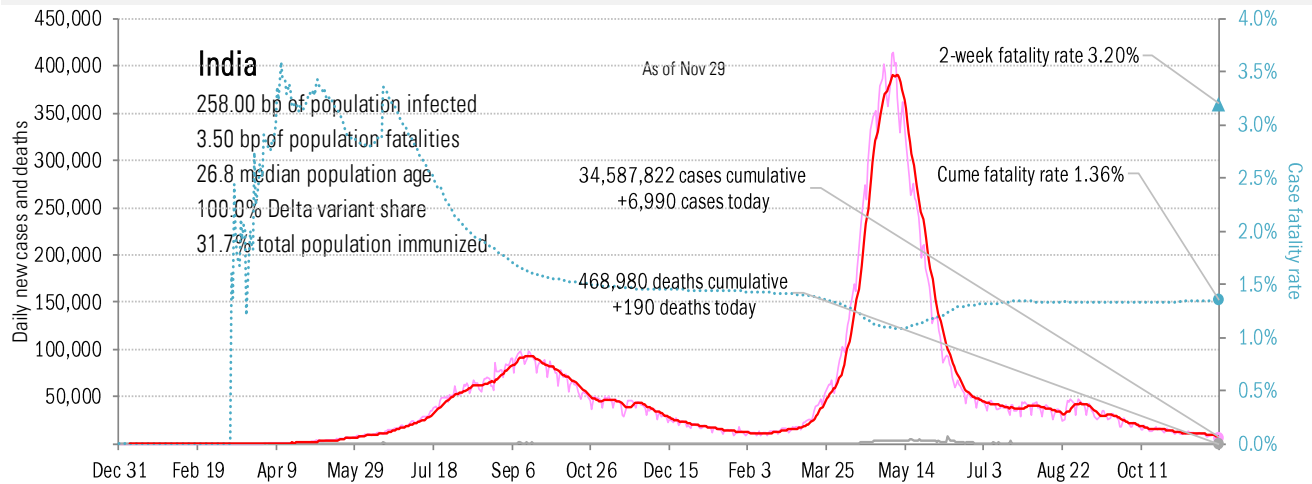
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

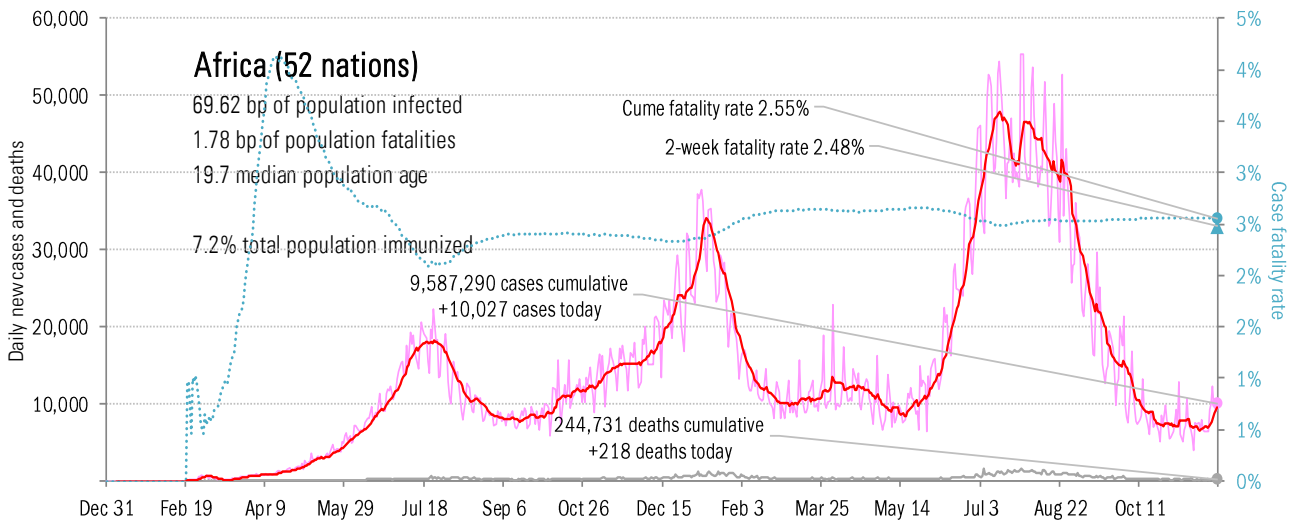
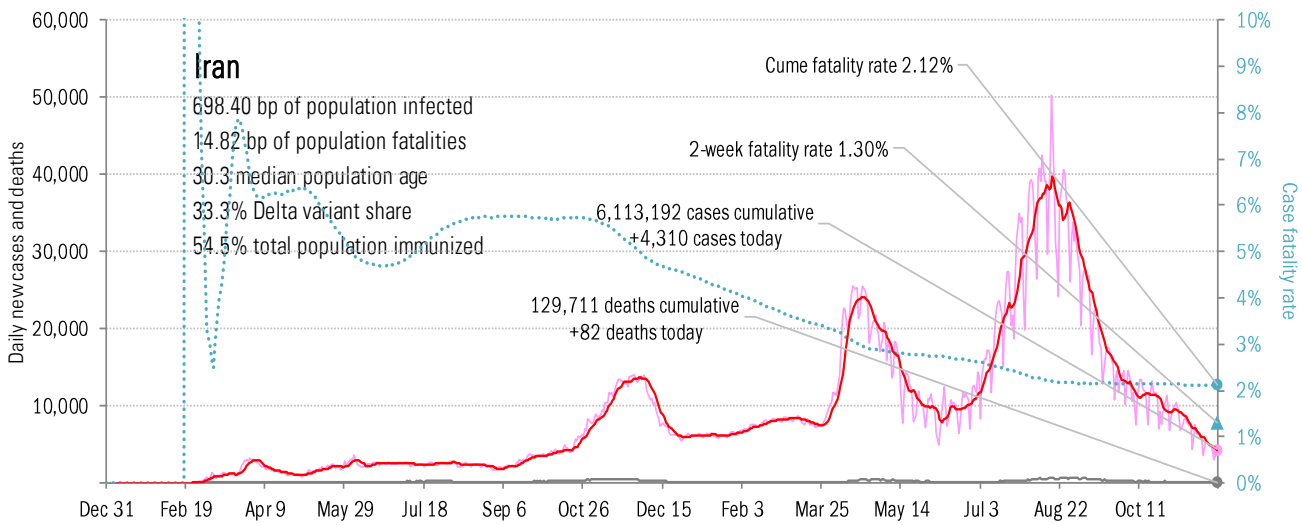
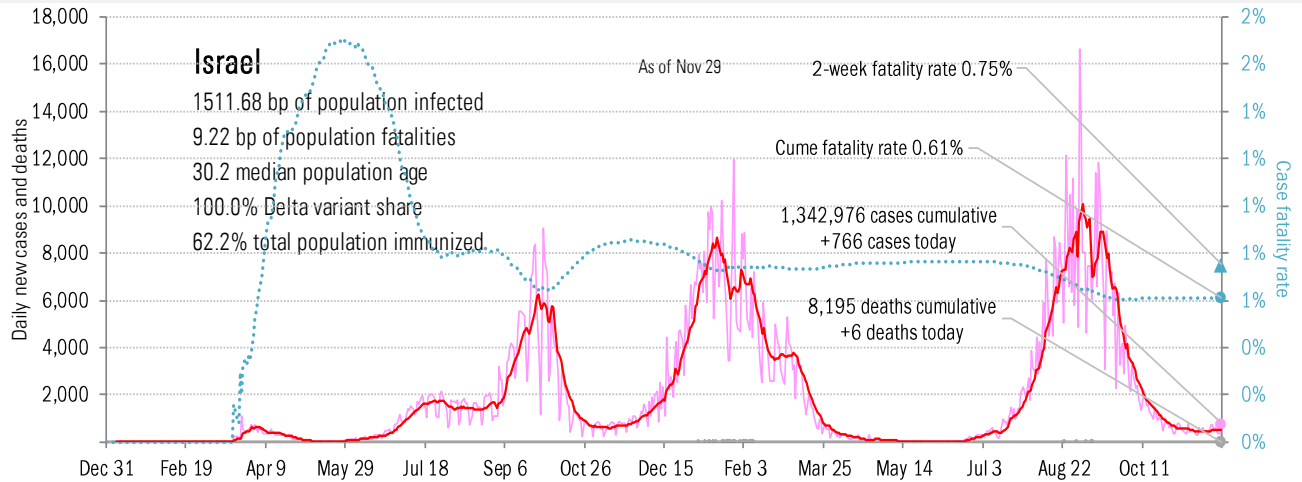
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

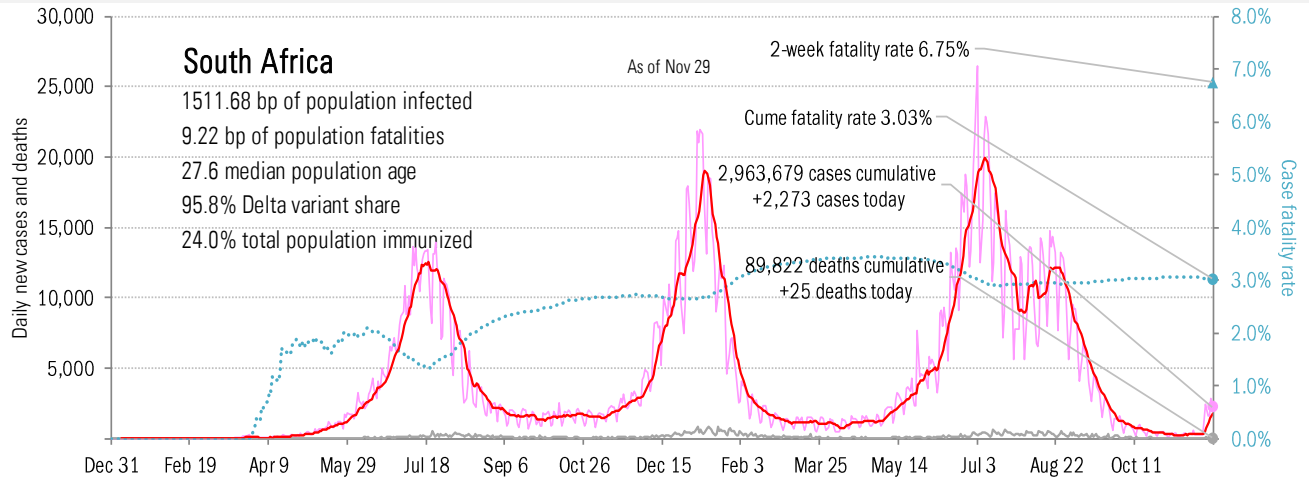
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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