

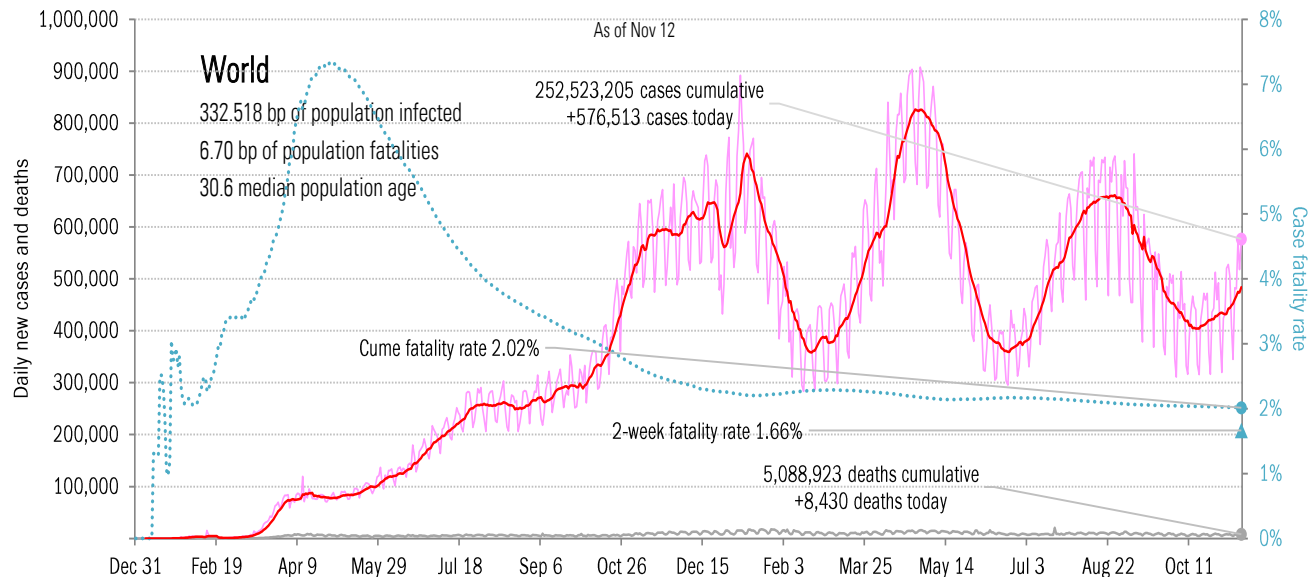
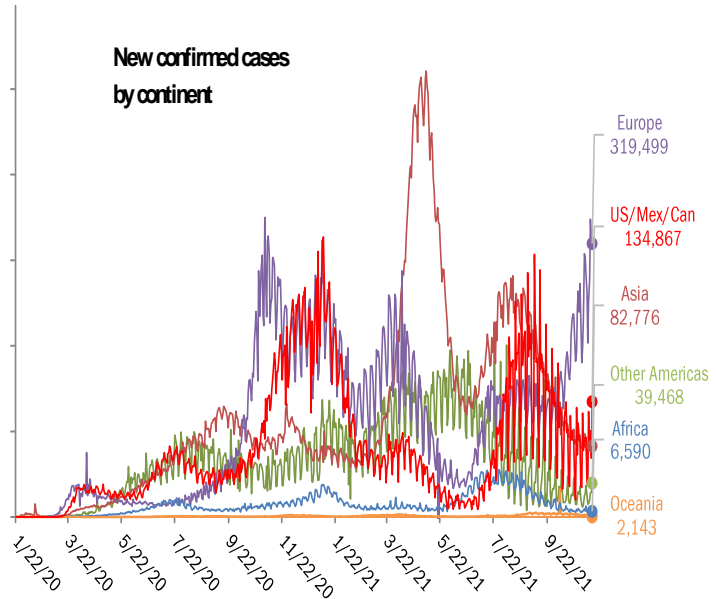
## Data Insights: Covid-2019 Monitor

Saturday, November 13, 2021

### The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+130,945	United States	+2,256
Germany	+45,356	Russia	+1,203
United Kingdom	+39,149	Ukraine	+782
Russia	+38,941	India	+555
Ukraine	+25,240	Romania	+307
Turkey	+23,637	Brazil	+267
Belgium	+21,164	Germany	+229
Netherlands	+16,241	Turkey	+217
Brazil	+14,598	Bulgaria	+175
Poland	+12,965	Philippines	+169
<b>+368,236</b>		<b>+6,160</b>	
World	+576,513	World	+8,430
Top ten	64%	Top ten	73%



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

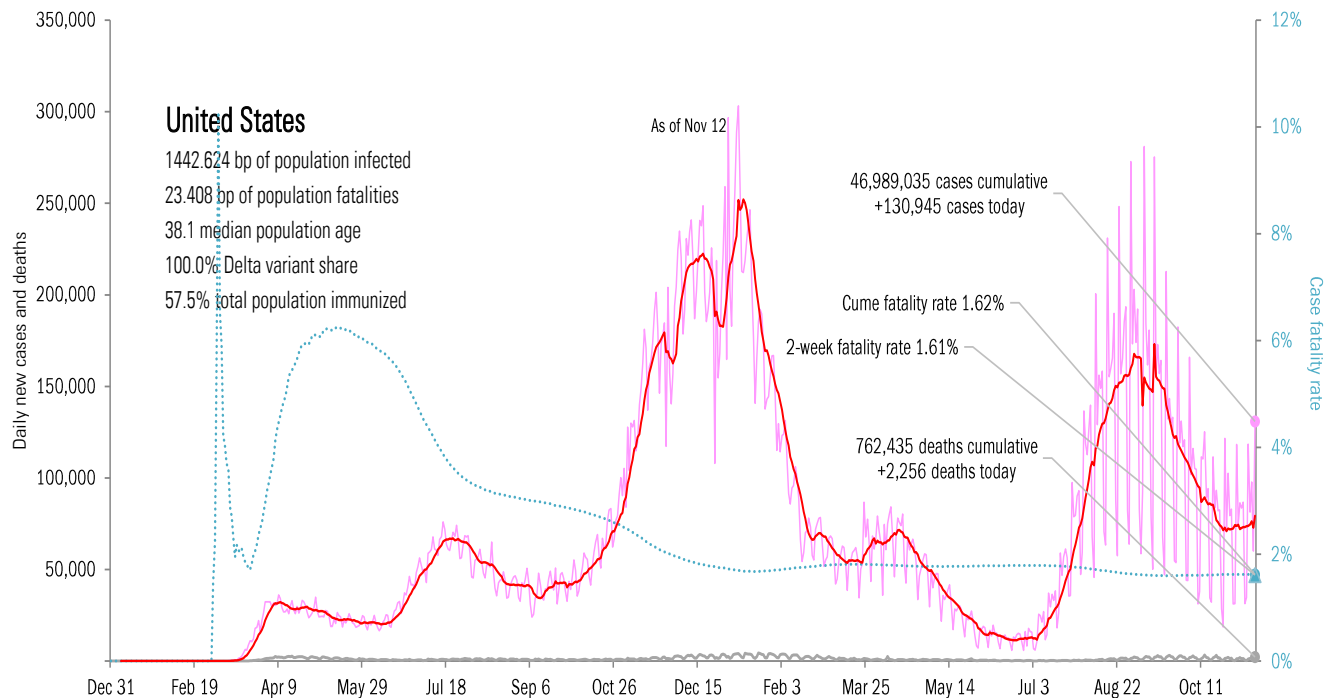
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
MI	+17,779		OK	+754		GA	+101		CA	4,994,913		CA	73,014		TX	378,204		RI	89%	NM	91%
IL	+7,952		TX	+270		TX	+61		TX	4,280,433		TX	72,687		FL	320,565		MA	87%	KY	88%
NY	+6,244		GA	+112		IL	+50		FL	3,709,343		FL	60,612		CA	314,599		PA	86%	NE	87%
PA	+5,873		KY	+110		MI	+45		NY	2,616,725		NY	56,907		NY	166,487		MI	86%	CO	87%
CH	+5,379		MI	+91		NY	+37		IL	1,735,586		PA	32,279		GA	161,142		GA	85%	AL	87%
AZ	+4,898		WA	+77		NJ	+32		GA	1,647,265		GA	29,861		CH	127,054		MD	84%	GA	85%
MN	+4,838		IN	+75		AZ	+31		PA	1,618,870		IL	28,510		PA	119,843		MN	84%	MN	85%
NC	+4,124		SC	+60		IN	+31		CH	1,586,171		NJ	28,152		KY	112,260		WA	84%	DE	85%
WA	+4,123		CA	+54		CH	+27		NC	1,501,801		CH	25,643		IL	106,511		MO	84%	MI	85%
MA	+3,988		FL	+52		OK	+18		MI	1,346,868		MI	24,308		MI	95,070		NY	83%	ID	85%
+65,198			+1,655			+433			25,047,975			431,973			1,901,735						
All states	+130,945		+2,256			+270			All states	46,989,035		762,435			3,406,857			All states	70%		67%
Top ten	50%		73%			160%			Top ten	53%		57%			56%			Median	77%		79%

Some states not reporting

## Five most improved US states

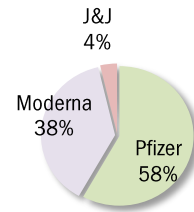
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-5,090	FL	-90	WA	-56	CA	+20 bp
IN	-4,091	CA	-49	OR	-44	DC	+20 bp
TX	-1,388	PA	-47	SC	-44	FL	+20 bp
CO	-861	WV	-18	WI	-36	NM	+20 bp
ME	-755	AL	-17	UT	-32	NV	+20 bp



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	449,506,627		+1.475 million		US	57.5%	67.1%	
Boosters	28,150,362		+0.808 million		UK	67.4%	74.0%	
	One dose	% Pop	Immune	% pop	New immune today	France	68.6%	76.2%
Total population	231,348,573	69%	199,790,732	60%	+0.188 million	Spain	80.1%	81.6%
Age 12 to 17	14,372,155	60%	12,082,149	51%	+0.014 million	Germany	66.9%	69.4%
Age 18 to 64	159,223,254	78%	138,093,434	68%	+0.140 million	Italy	72.4%	77.6%
Age 65 and over	55,900,259	100%	48,682,810	89%	+0.033 million	Australia	68.9%	75.7%
						Israel	61.9%	67.3%
						Canada	75.2%	78.9%
						Japan	75.0%	78.6%
						Africa	6.4%	9.5%
						India	26.0%	53.8%
						Brazil	59.0%	75.6%
						China	74.3%	80.0%



State
At least partial immunity as % population
Full immunity as % population



Every American >18 immunized in **160 days** by Apr 21, 2022  
 72.3% of population >18 immunized  
 16.7% previously tested positive  
**89.1%** vs 60% adult herd immunity

Global data differs due to sources, timing

AK
60.4%
53.2%

WI
63.7%
58.9%

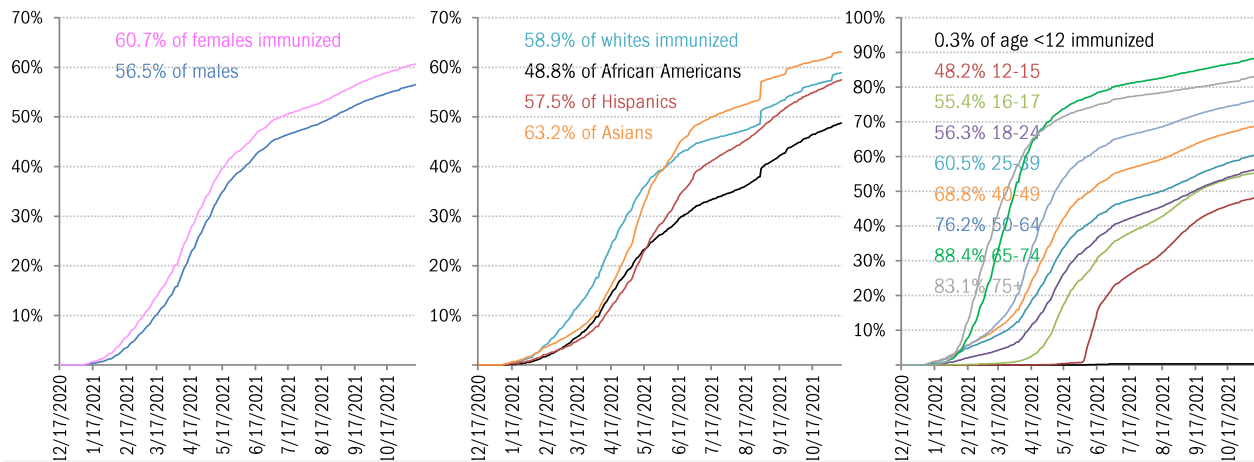
As of Nov 12

ME
78.4%
71.3%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
70.4%	49.8%	57.8%	56.2%	66.5%	66.8%	59.1%	75.5%	81.2%	80.2%	
64.1%	44.5%	51.1%	48.1%	61.7%	61.2%	53.9%	67.5%	71.9%	63.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
69.3%	64.6%	51.9%	63.6%	60.6%	54.4%	56.7%	81.0%	76.6%	82.2%	
63.4%	53.7%	44.7%	53.6%	56.0%	50.2%	52.4%	61.4%	67.0%	70.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
76.1%	62.0%	68.8%	62.0%	57.8%	58.5%	49.3%	72.7%	73.8%	80.8%	79.9%
62.1%	54.5%	62.3%	56.7%	50.3%	51.3%	41.1%	63.9%	66.6%	71.3%	71.6%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
62.0%	73.6%	63.8%	59.0%	55.4%	66.5%	58.5%	77.1%	70.2%		
53.7%	62.8%	53.8%	48.6%	48.8%	53.4%	50.6%	63.4%	60.5%		
OK	LA	MS	AL	GA						
60.8%	54.4%	52.7%	55.1%	57.6%						
50.8%	48.2%	46.3%	45.3%	48.8%						
TX	FL	PR								
62.1%	70.1%	83.2%								
53.9%	60.4%	74.1%								

HI
80.2%
60.3%

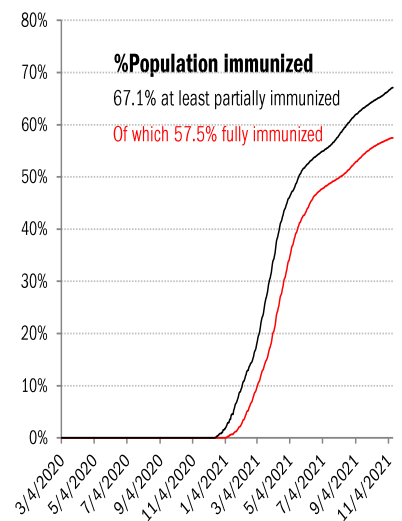
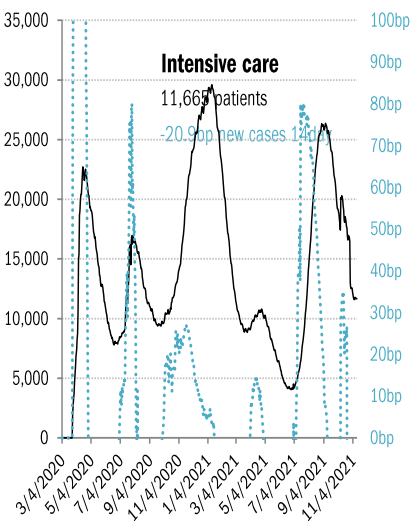
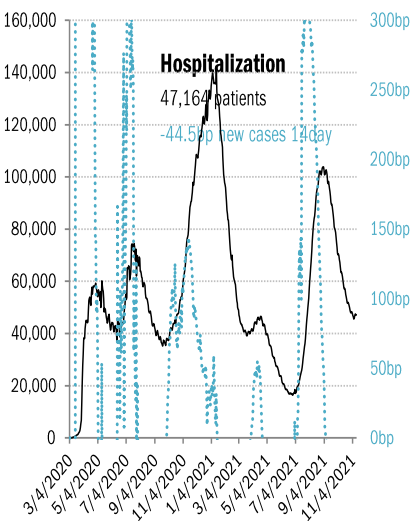
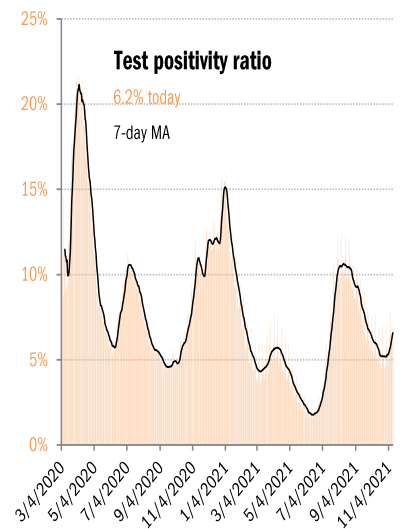
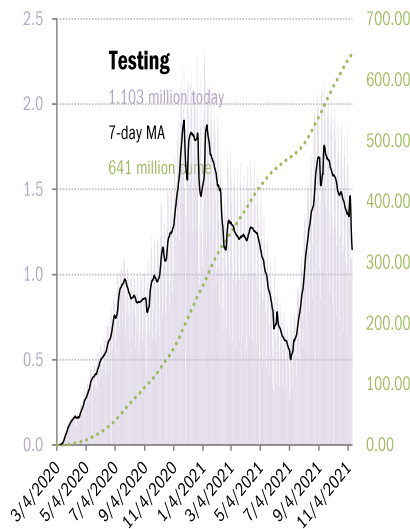
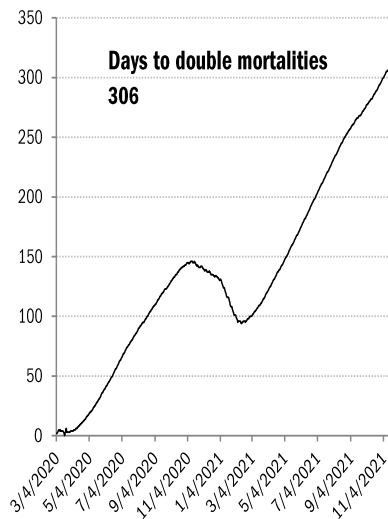
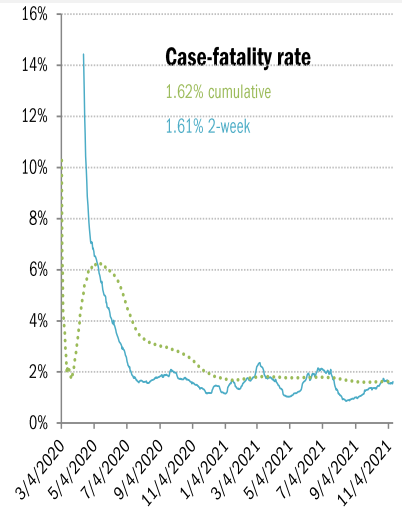
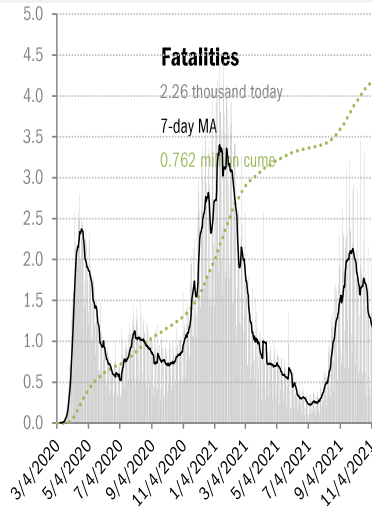
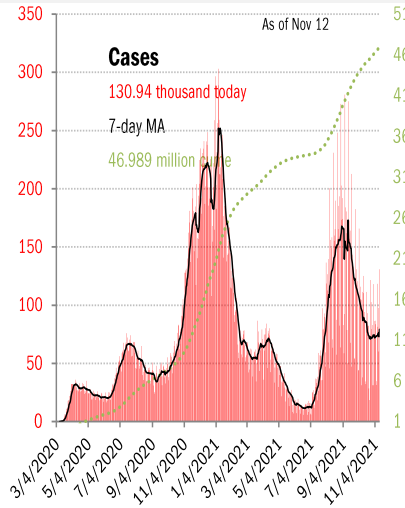
## The demographics of US vaccination



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

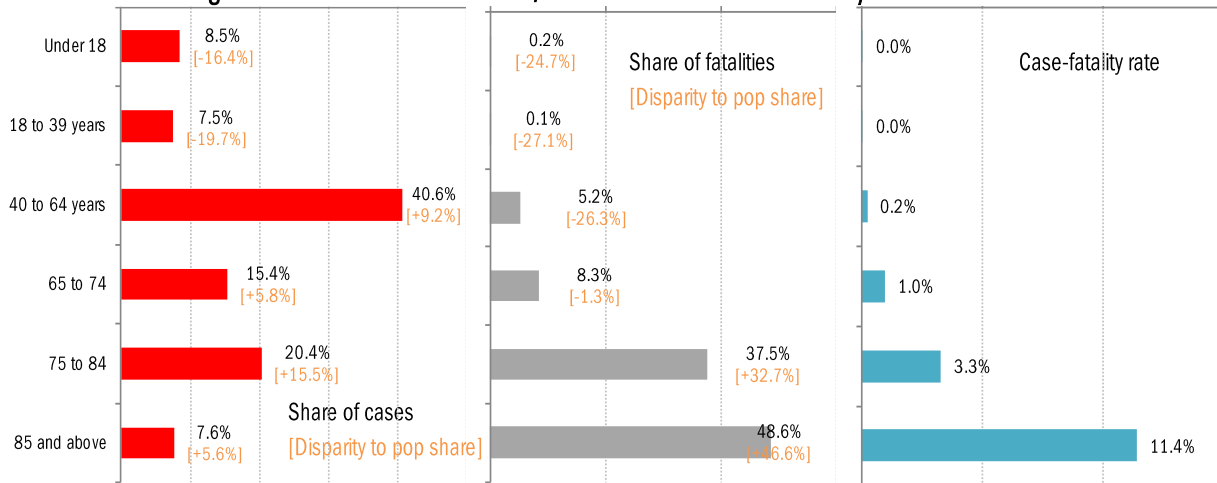
# US deep-dive

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

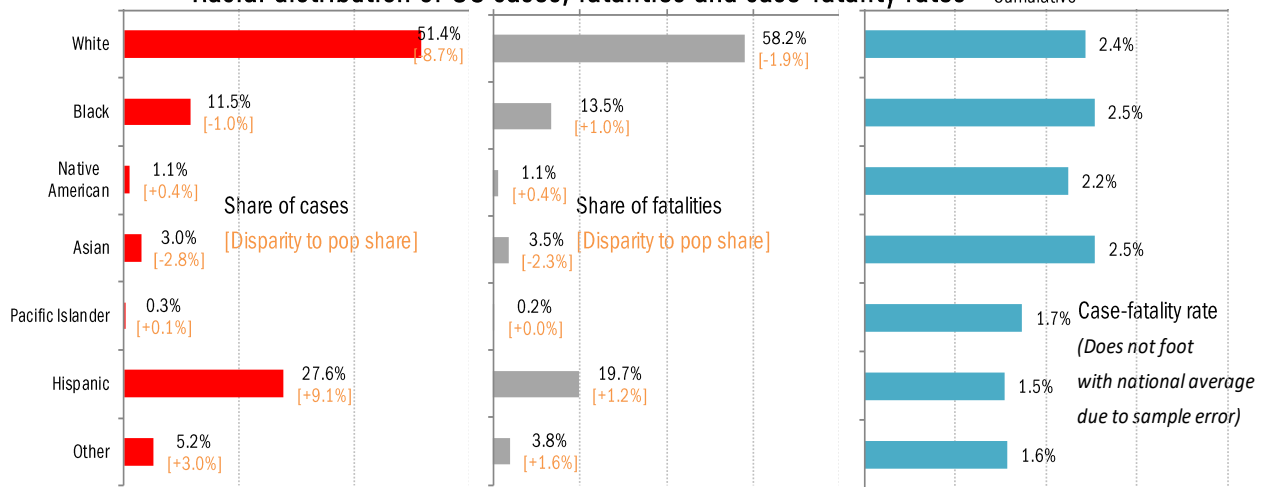


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

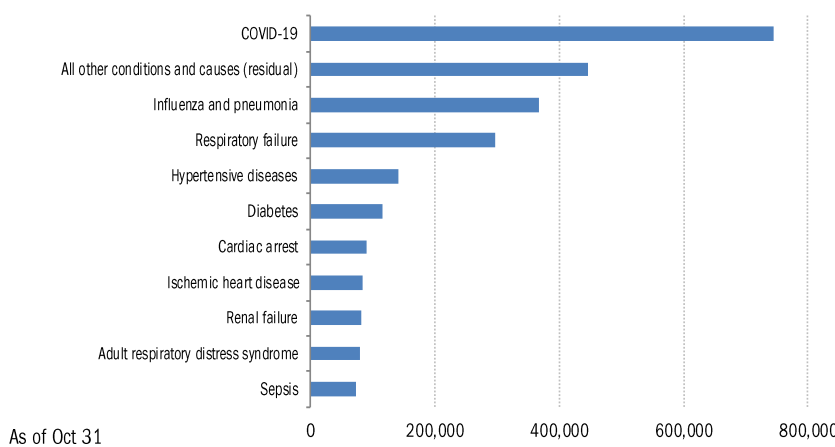


Racial distribution of US cases, fatalities and case-fatality rates



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

[Taiwan halts 2nd-dose BioNTech vaccinations for ages 12-17 amid concerns of myocarditis](#)

George Liao  
*Taiwan News*  
November 11, 2021

[Japan drops vax rollout, goes to Ivermectin, ENDS COVID almost overnight](#)

*The 2nd News*  
October 27, 2021

## Meme of the day

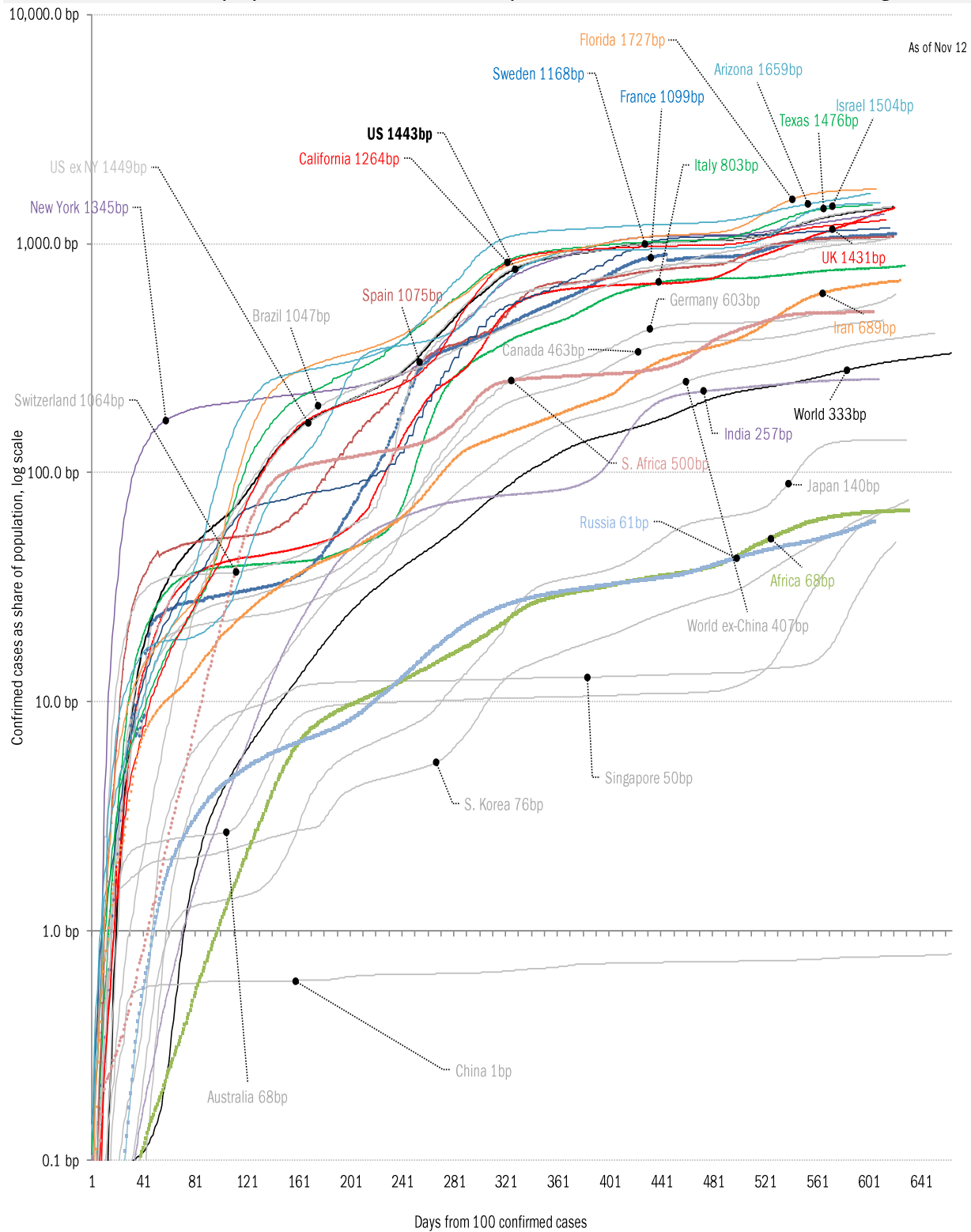
WHEN YOU KILL  
PEOPLE BUT THEY  
BLAME IT ON COVID



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

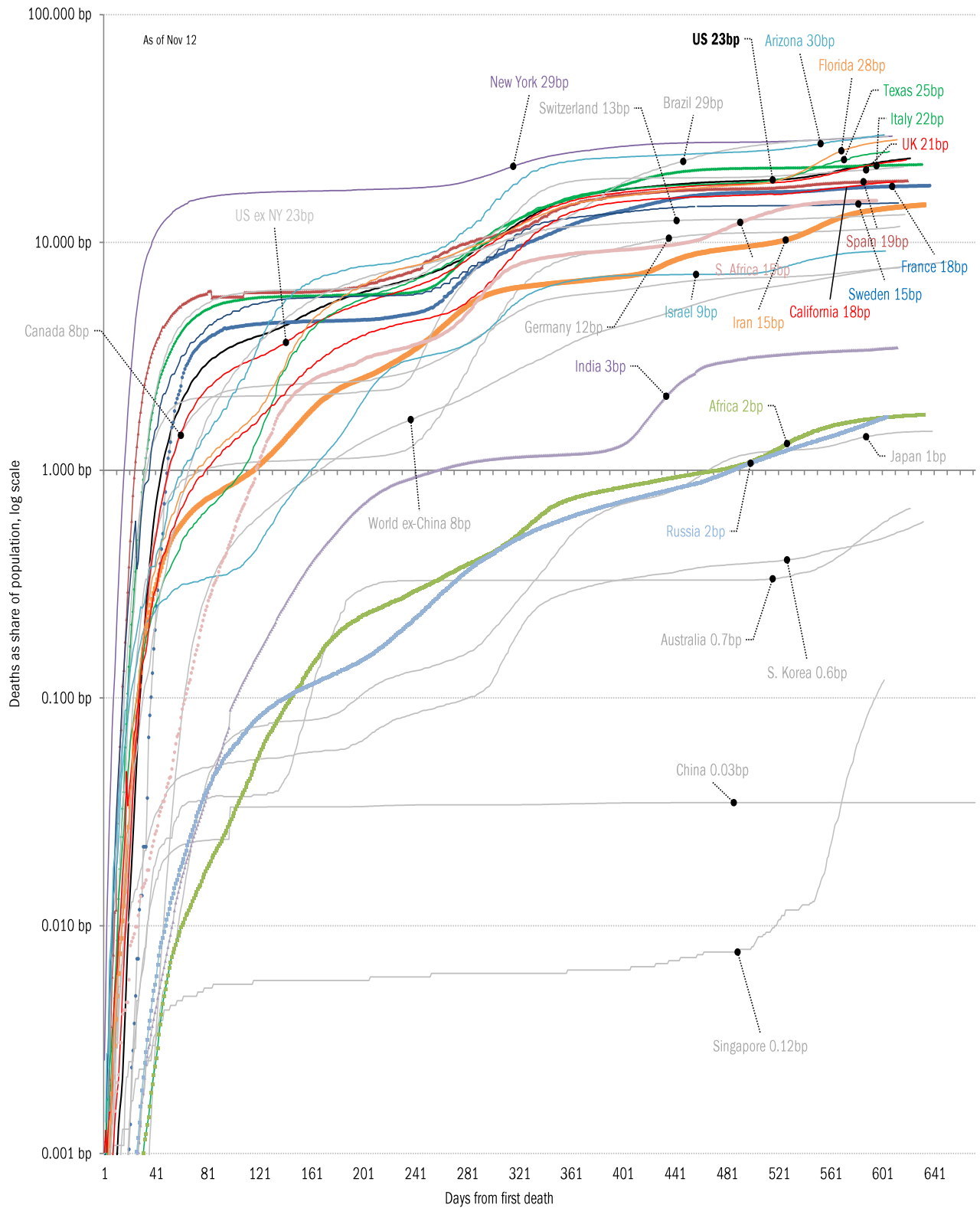


The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



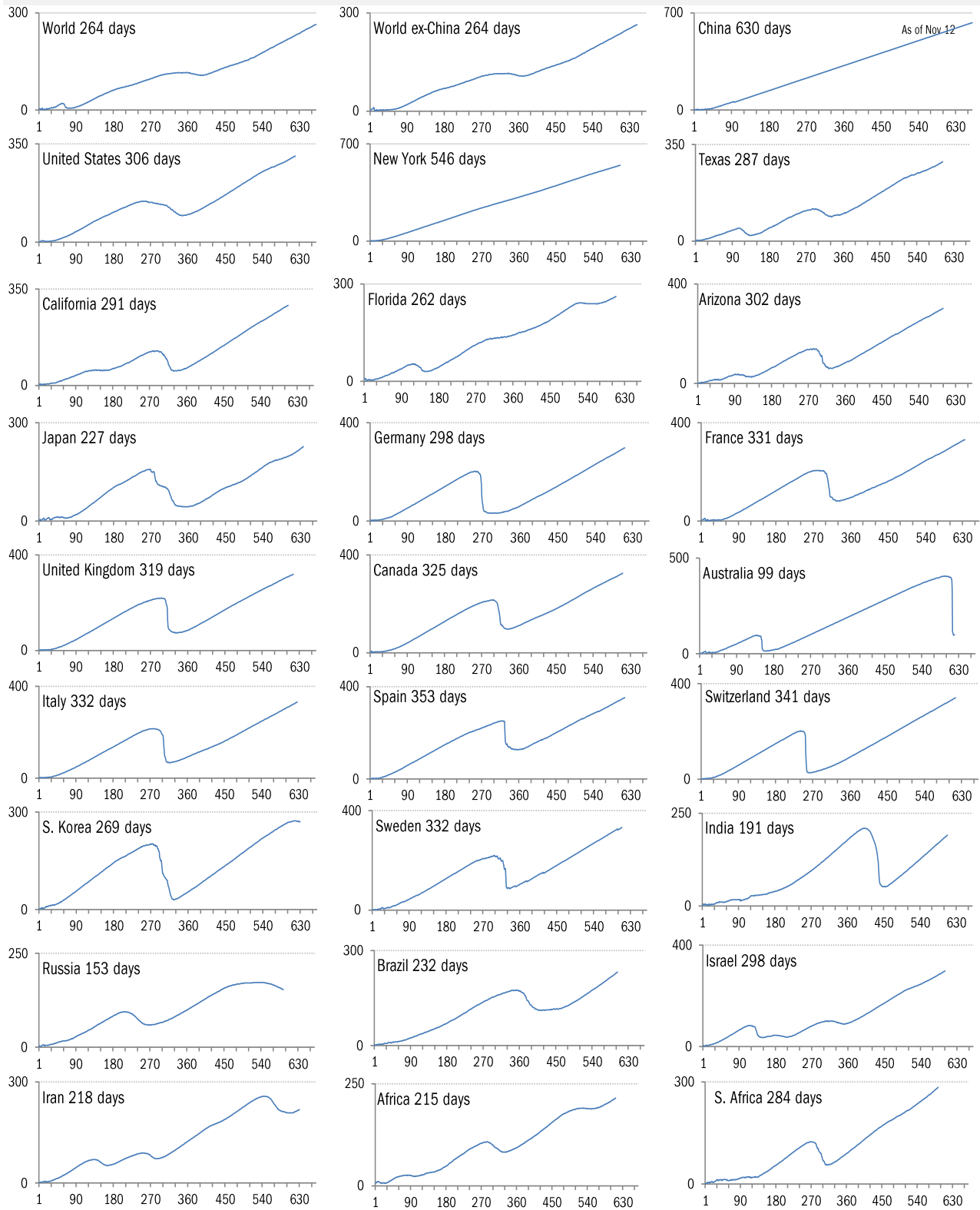
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

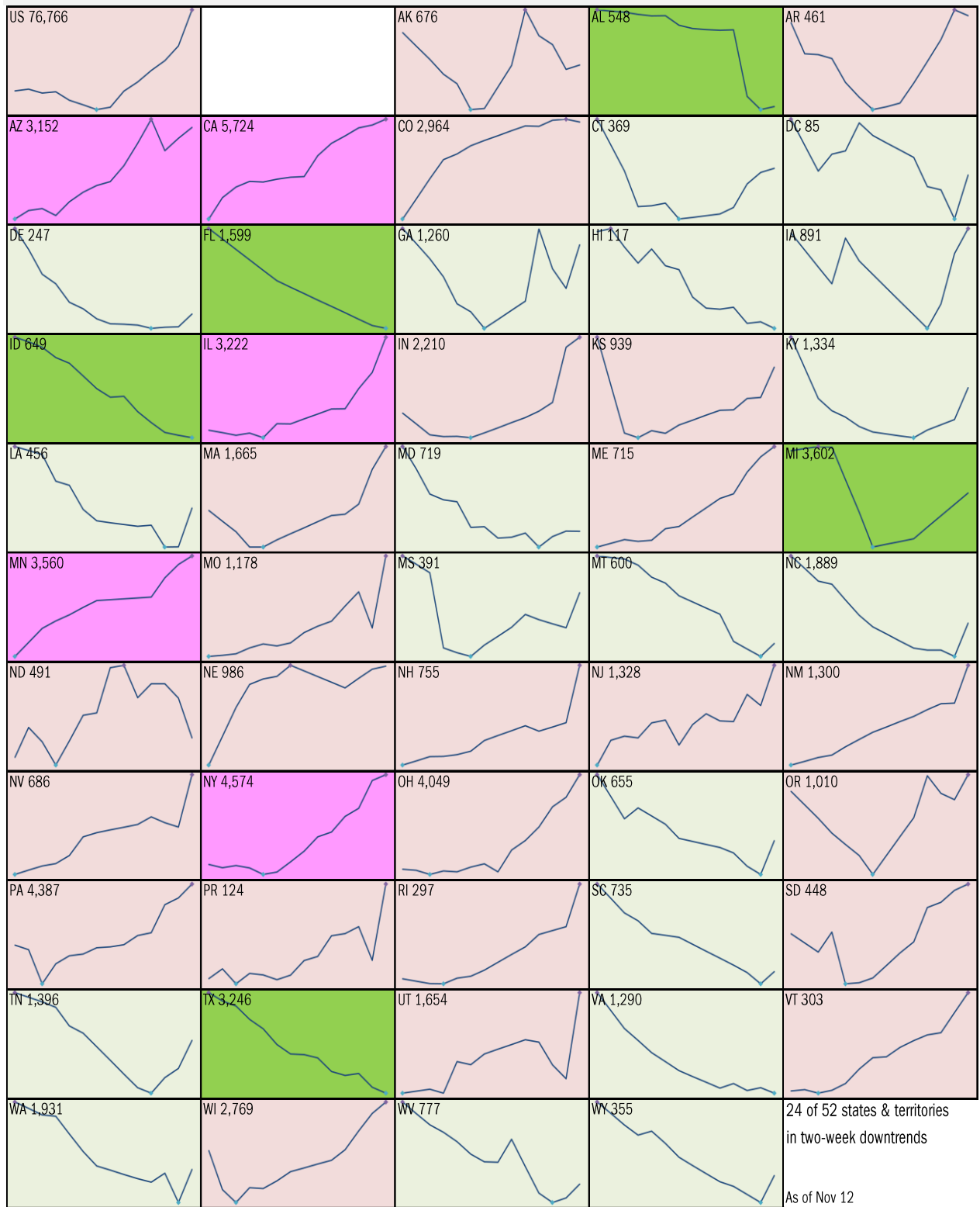


Source: [Johns Hopkins](#), TrendMacro calculations

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

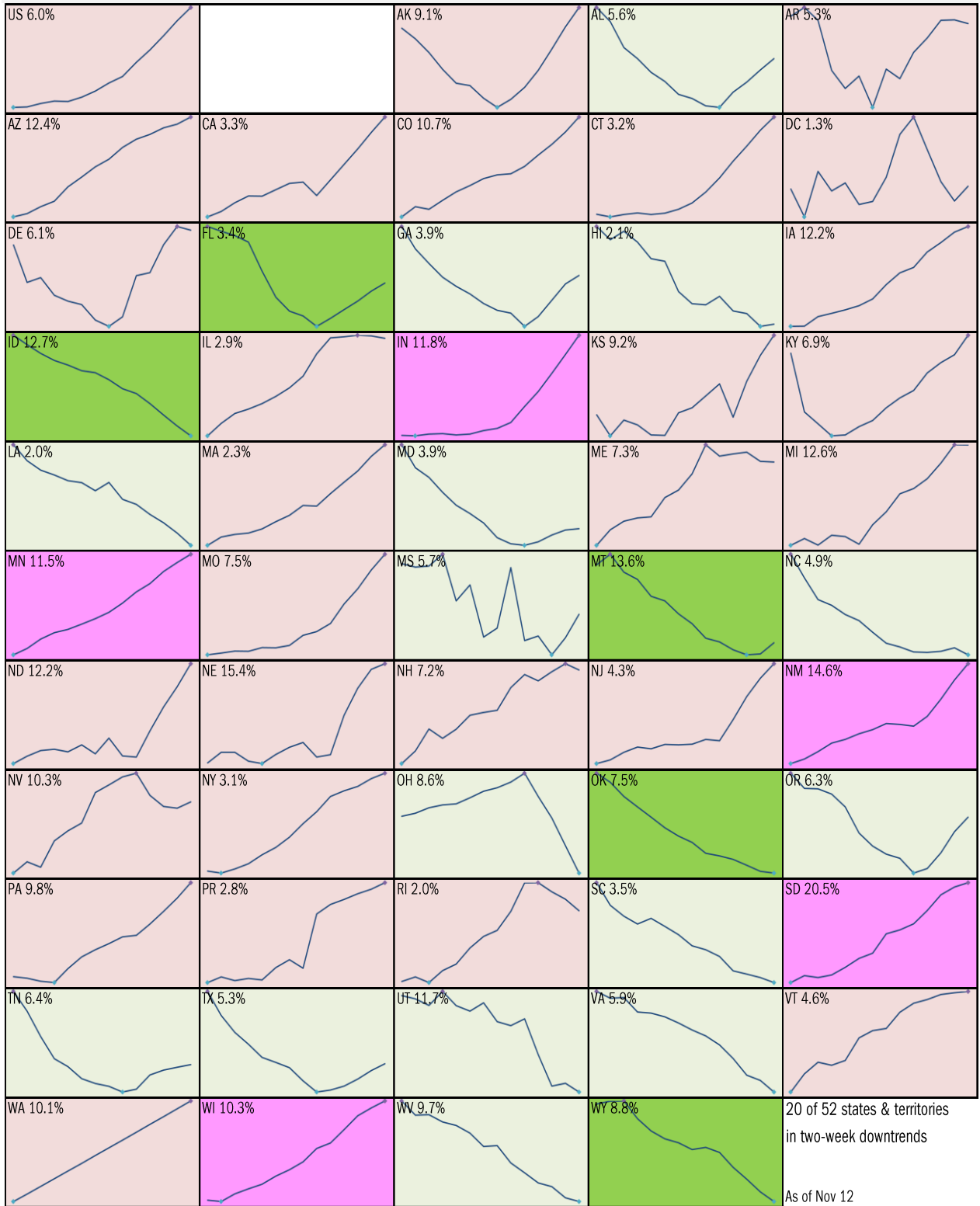


Source: [Johns Hopkins](#), TrendMacro calculations

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

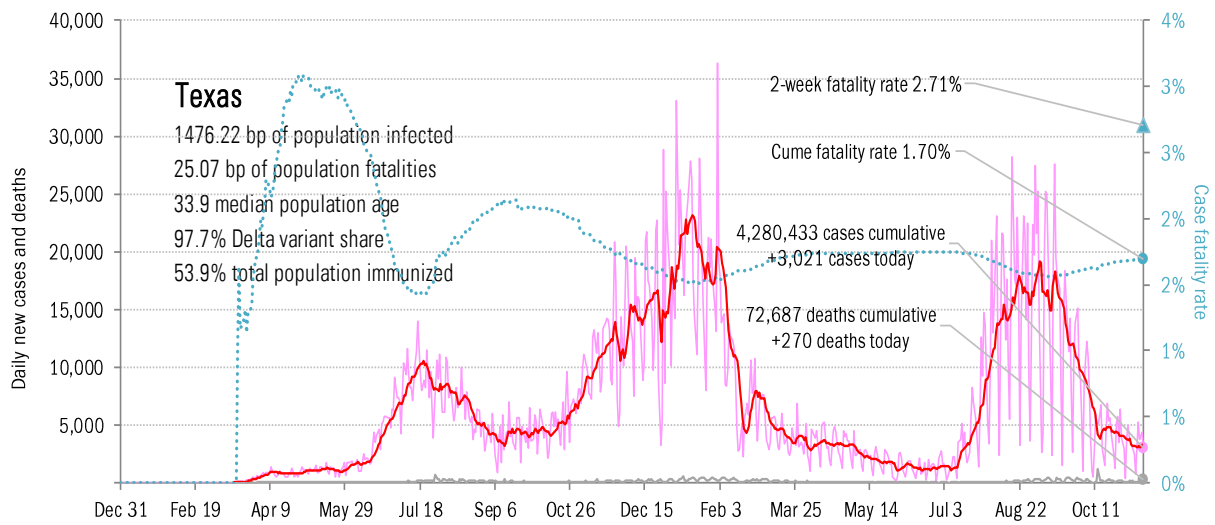
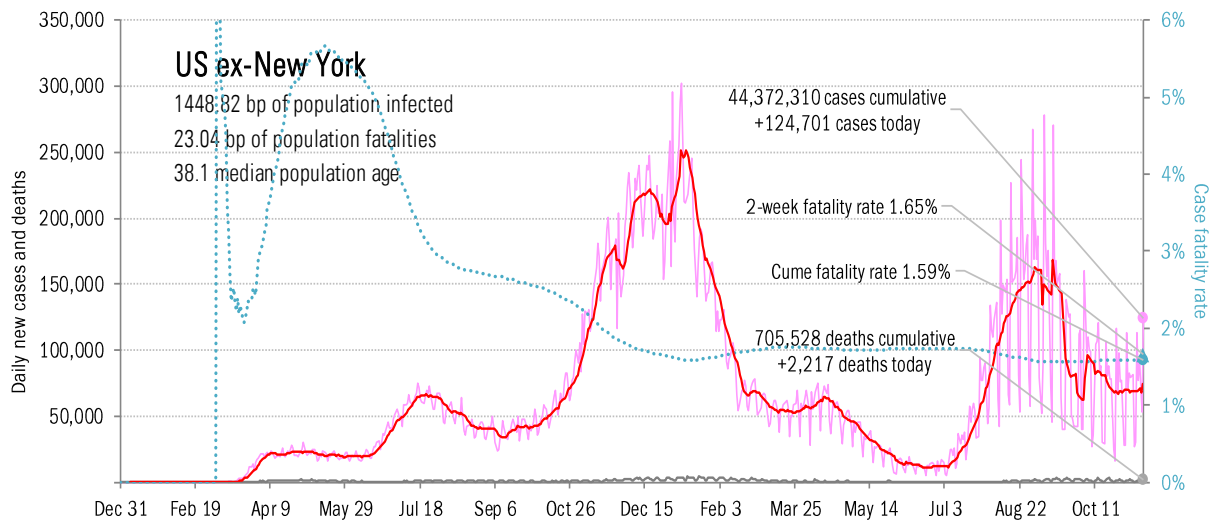
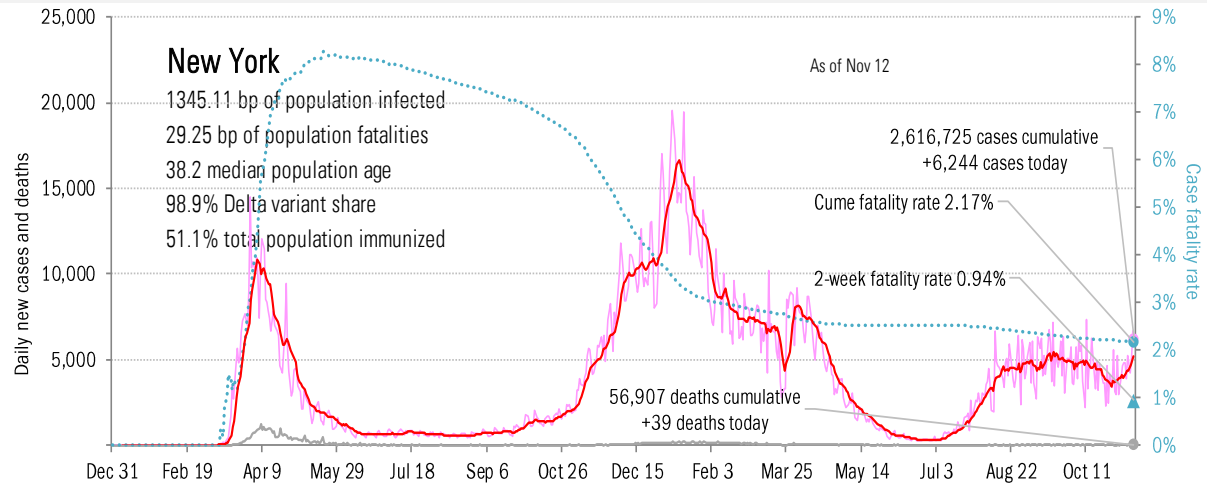
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

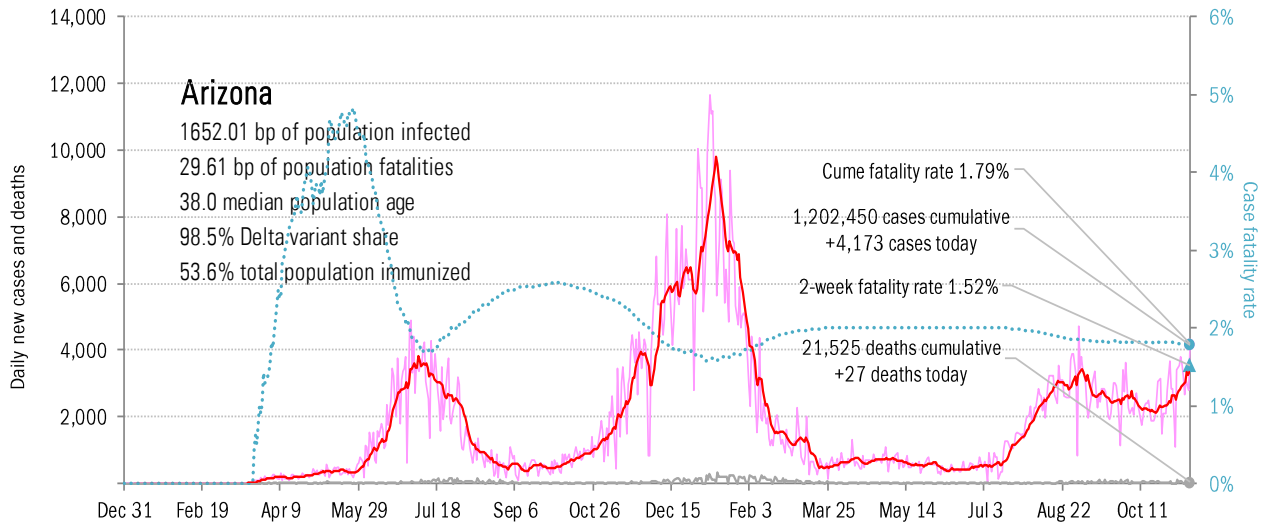
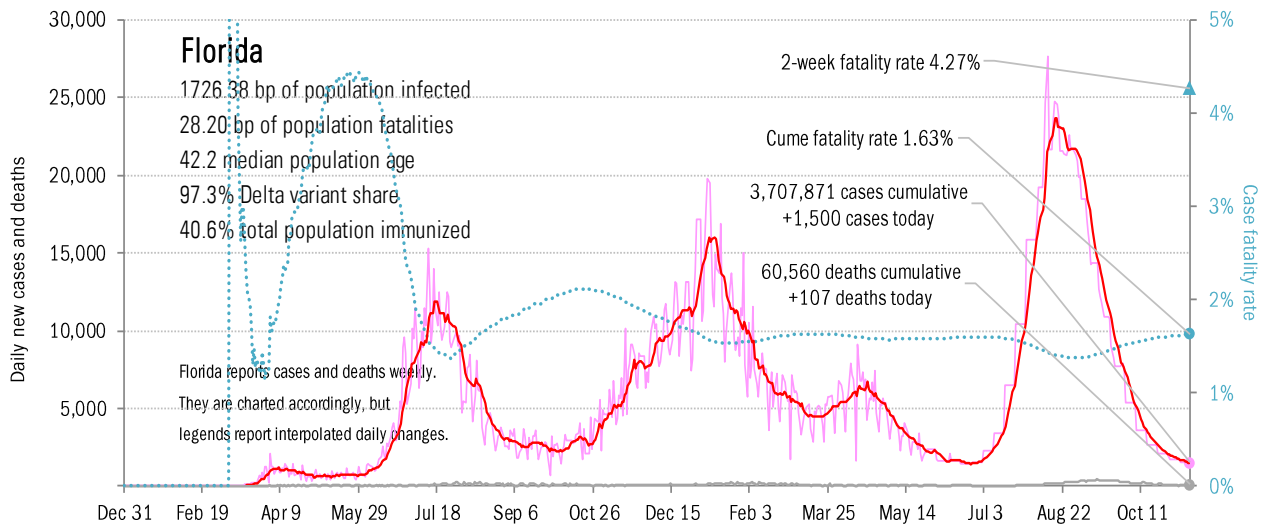
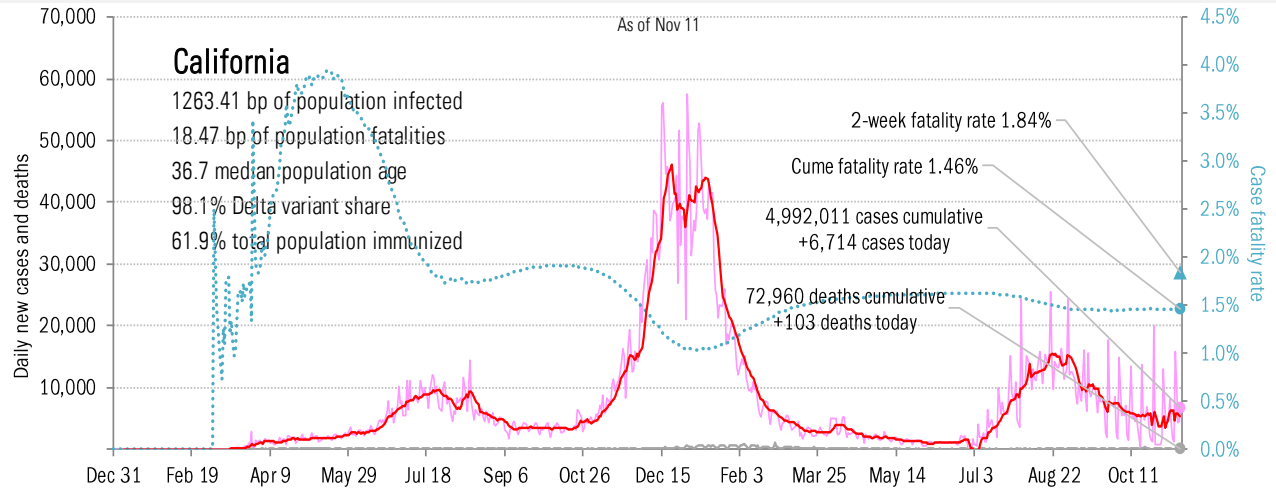
Cases: 7-day average and daily Deaths: Daily



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

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

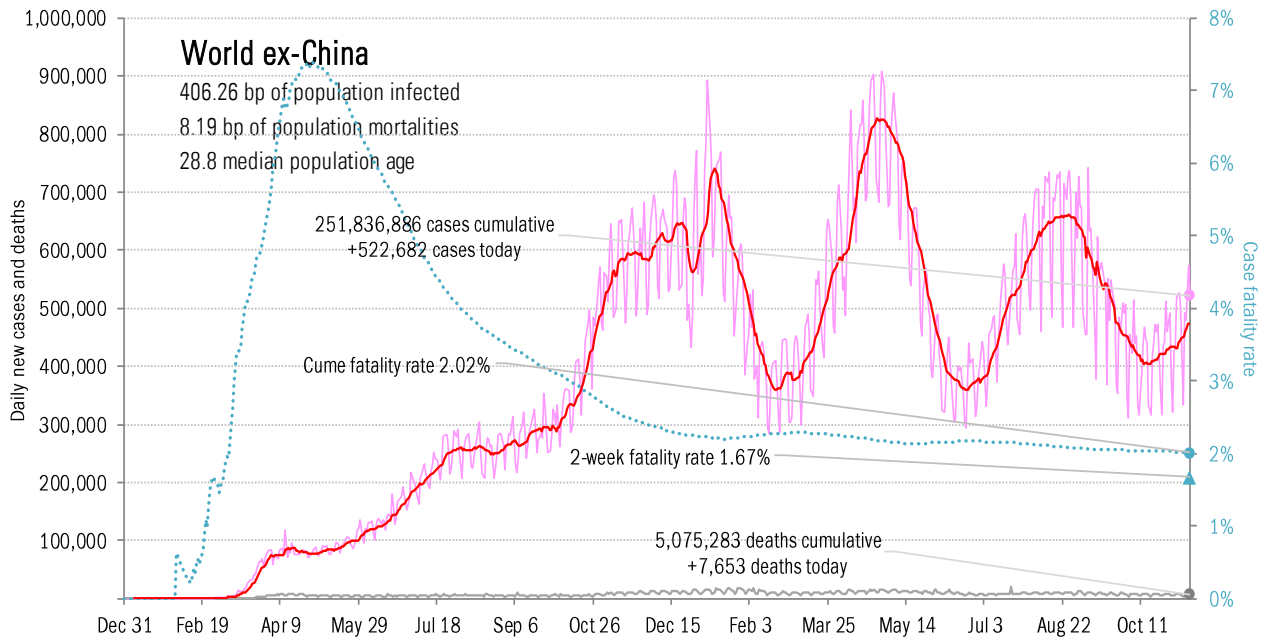
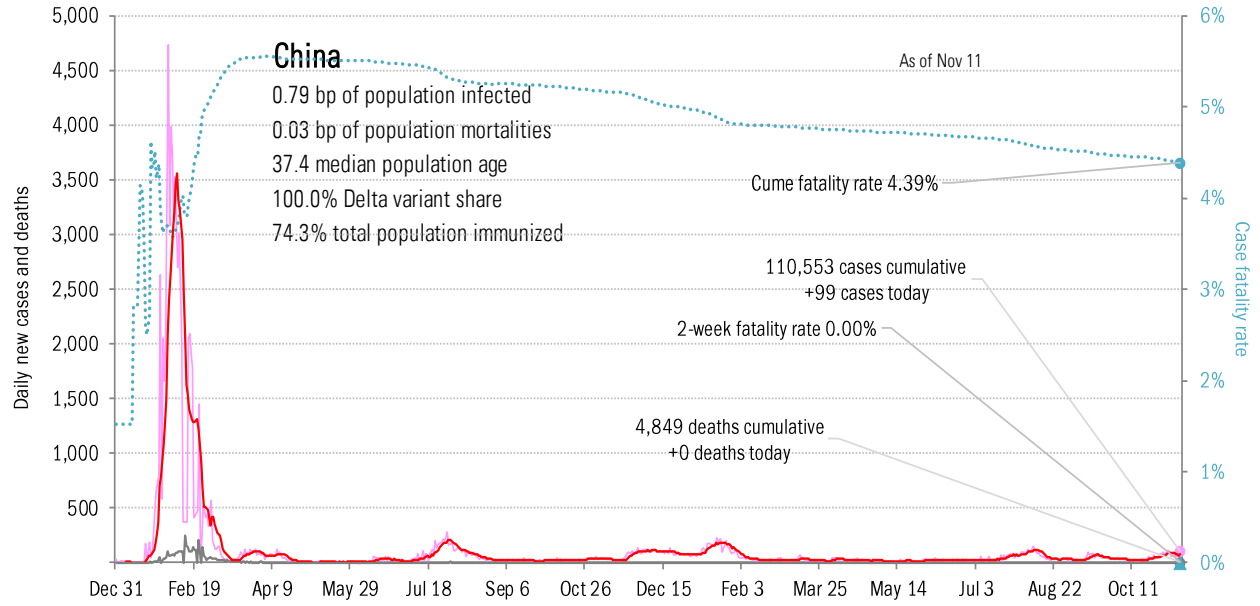
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

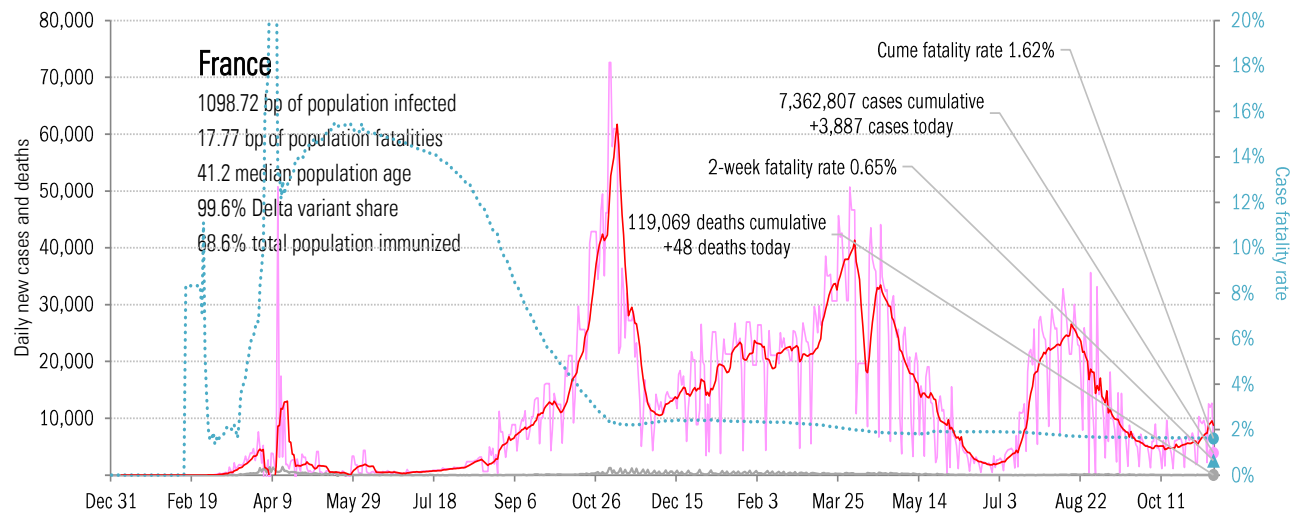
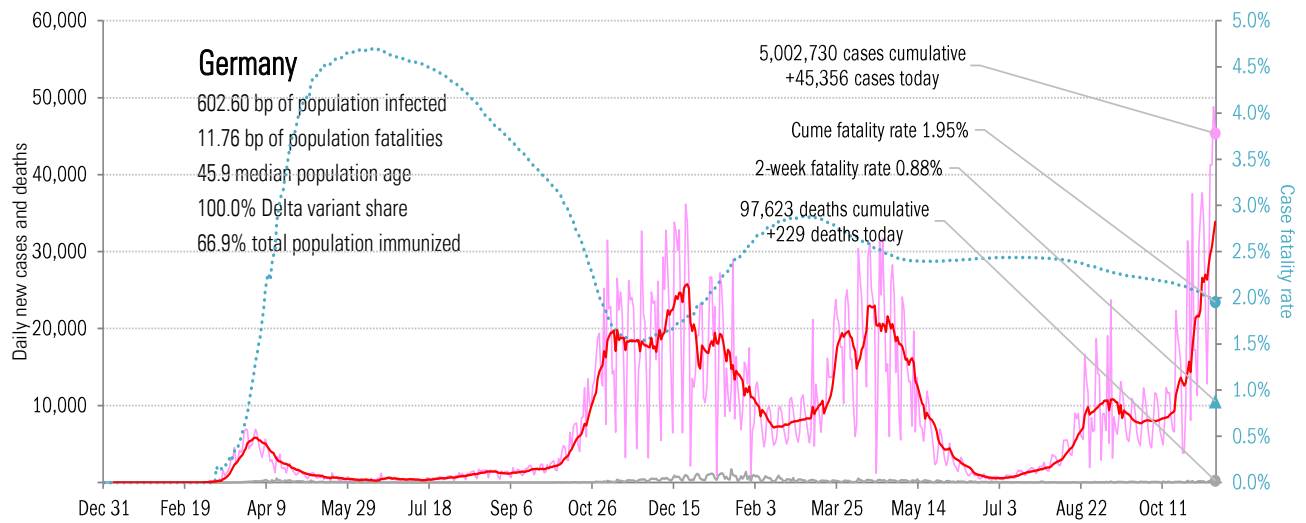
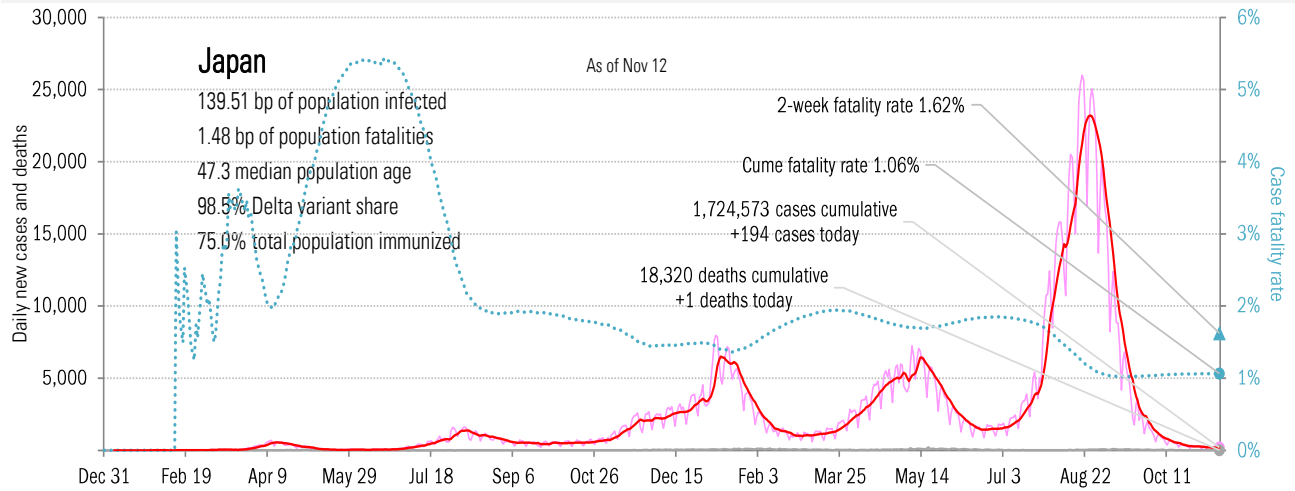
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

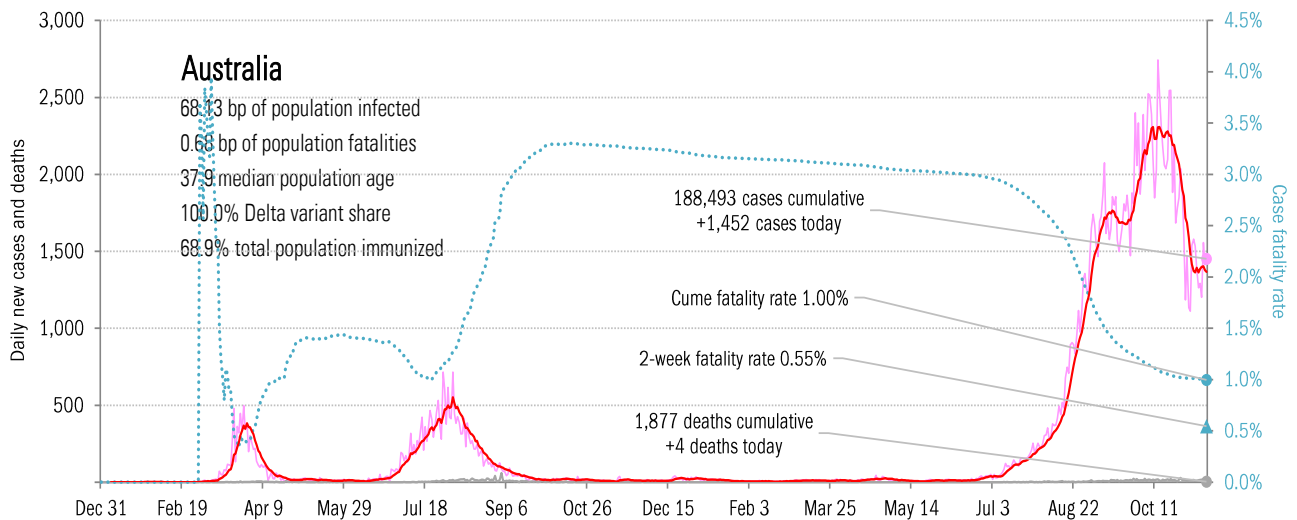
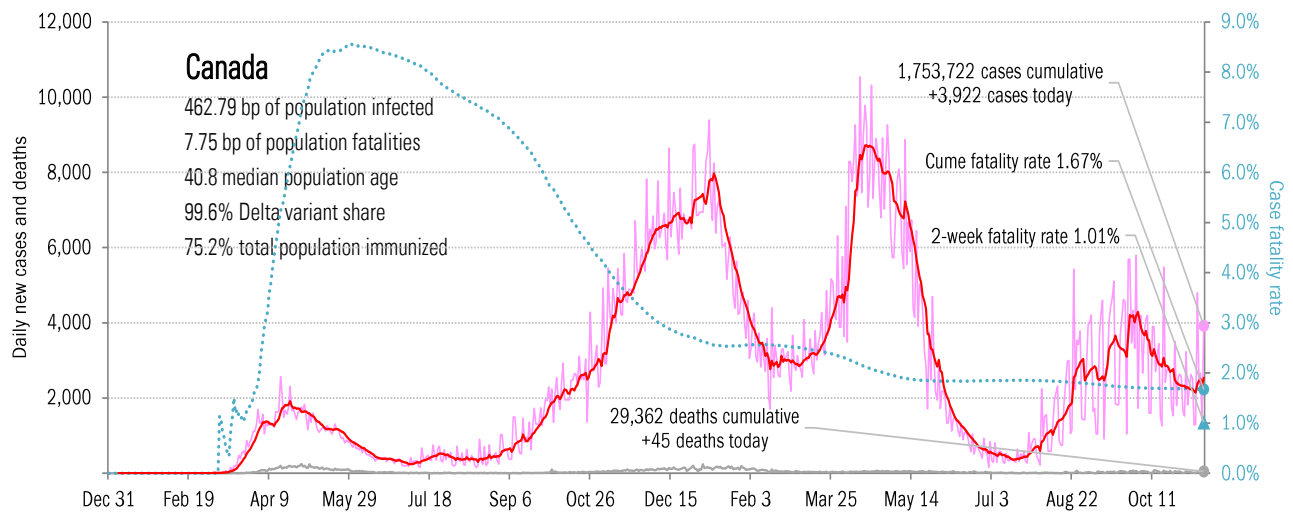
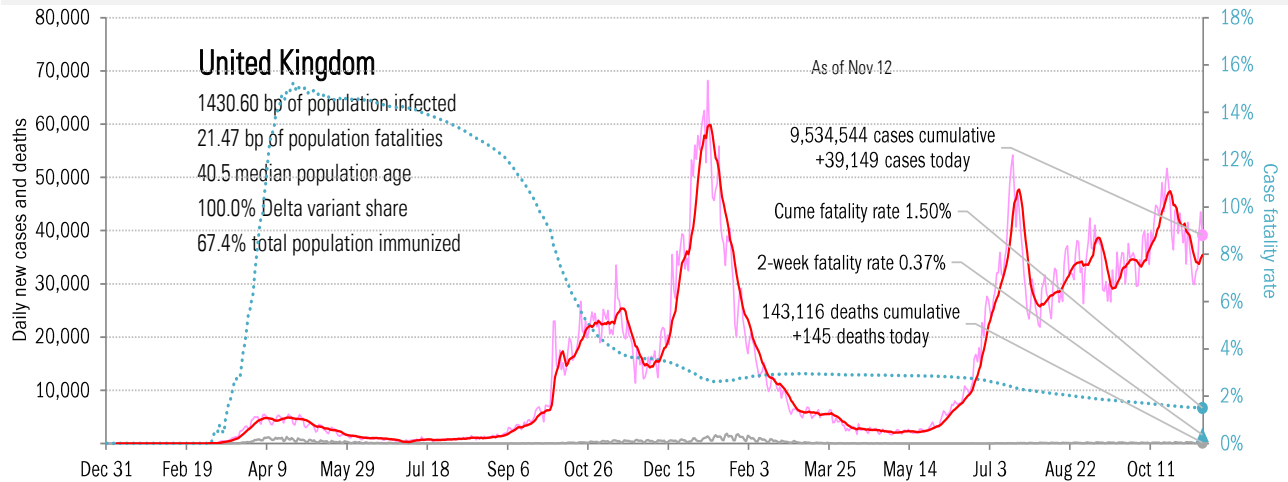


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

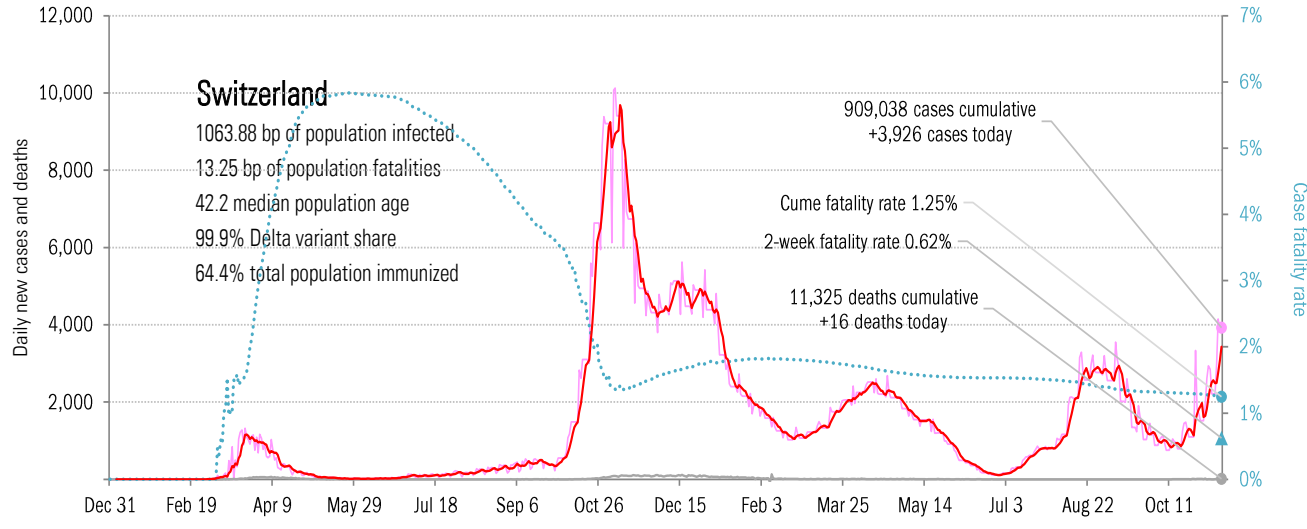
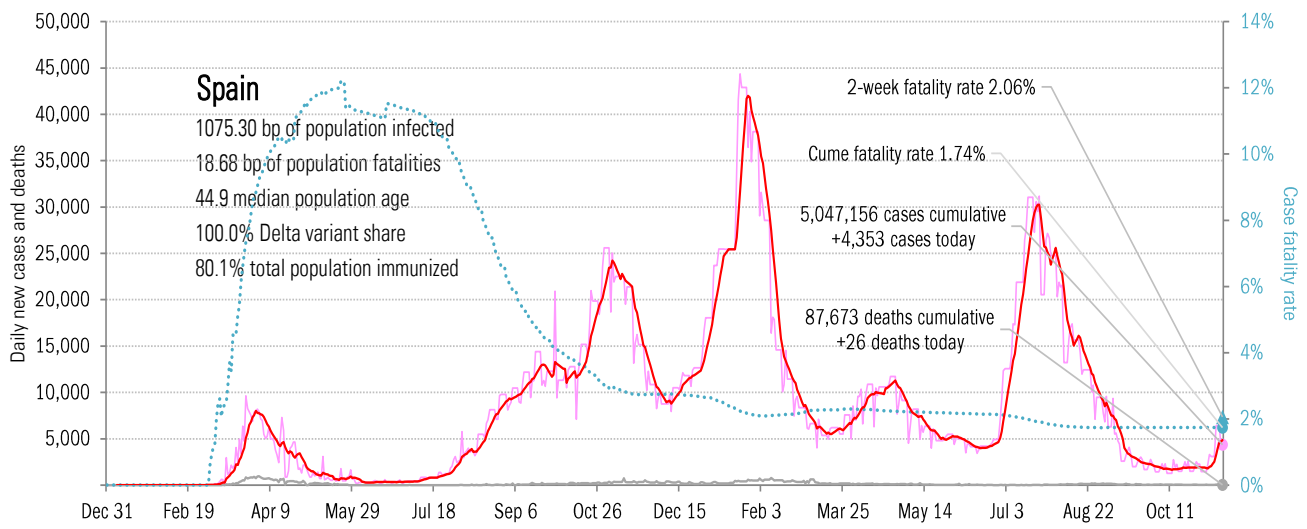
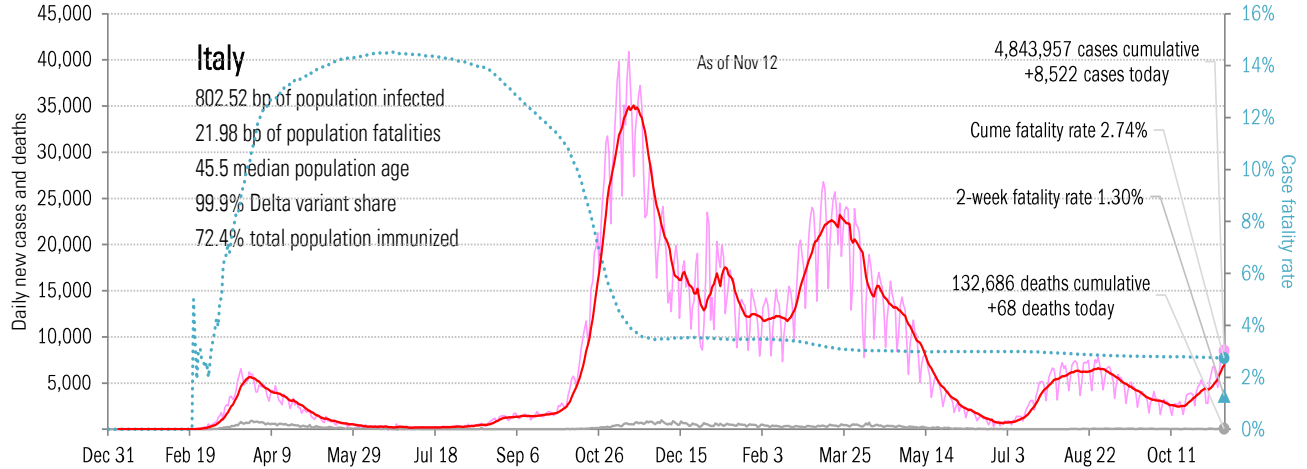
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

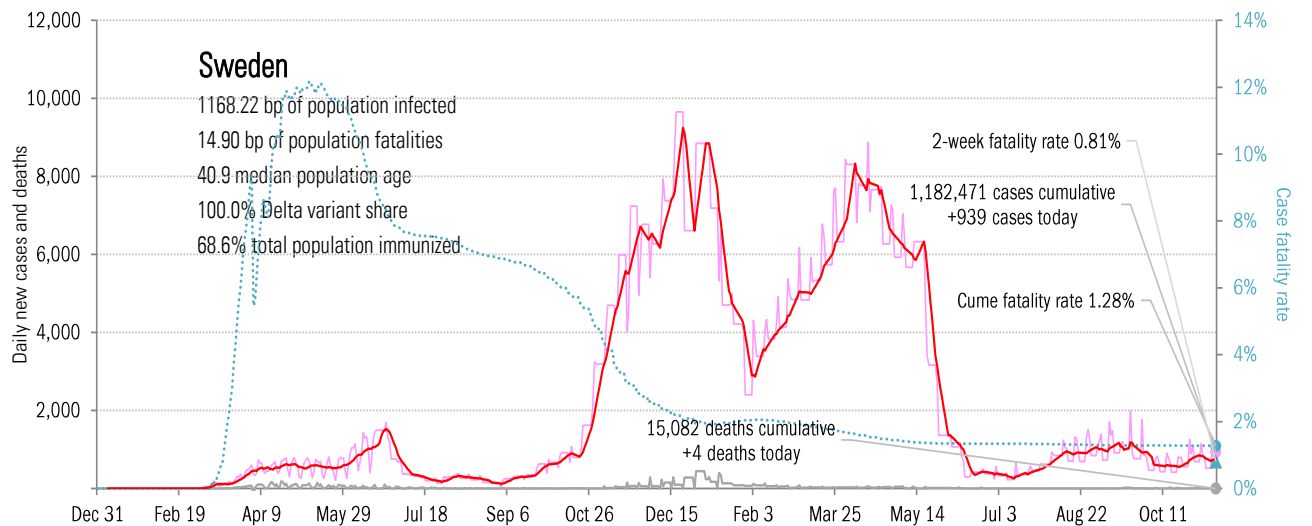
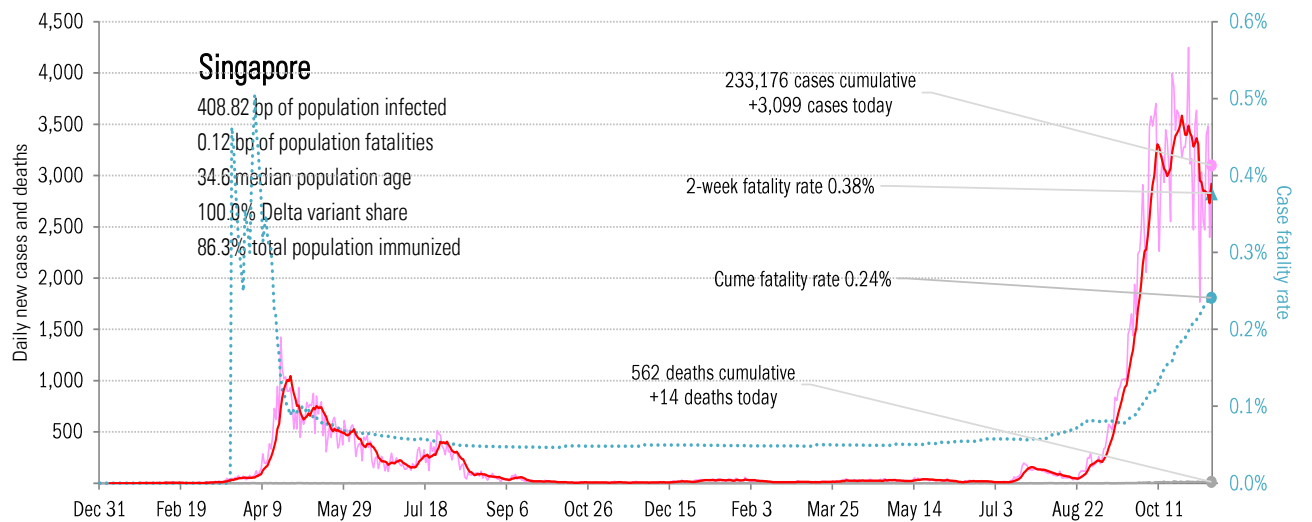
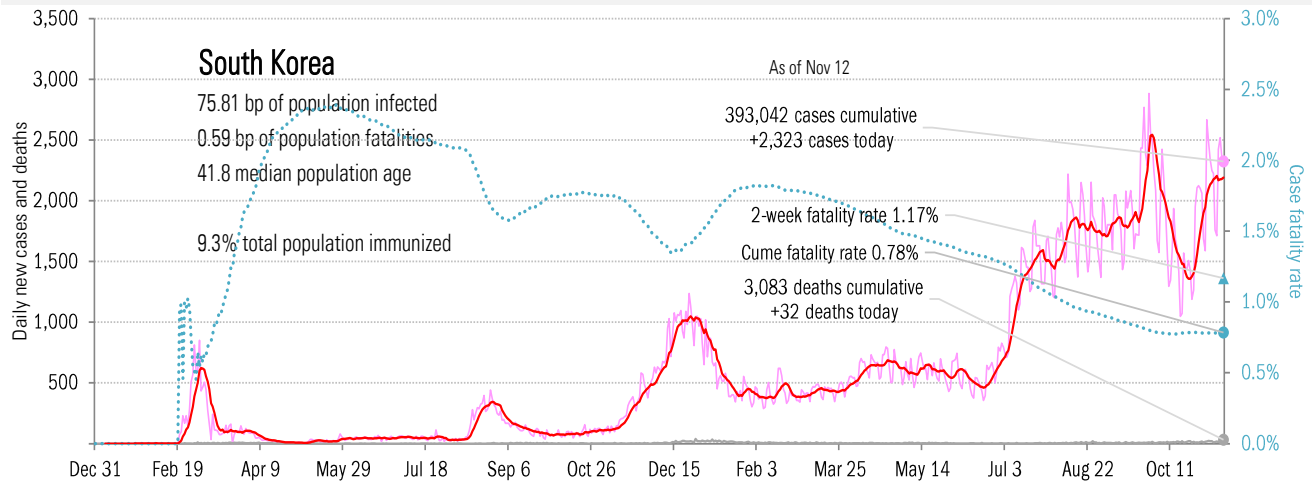
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

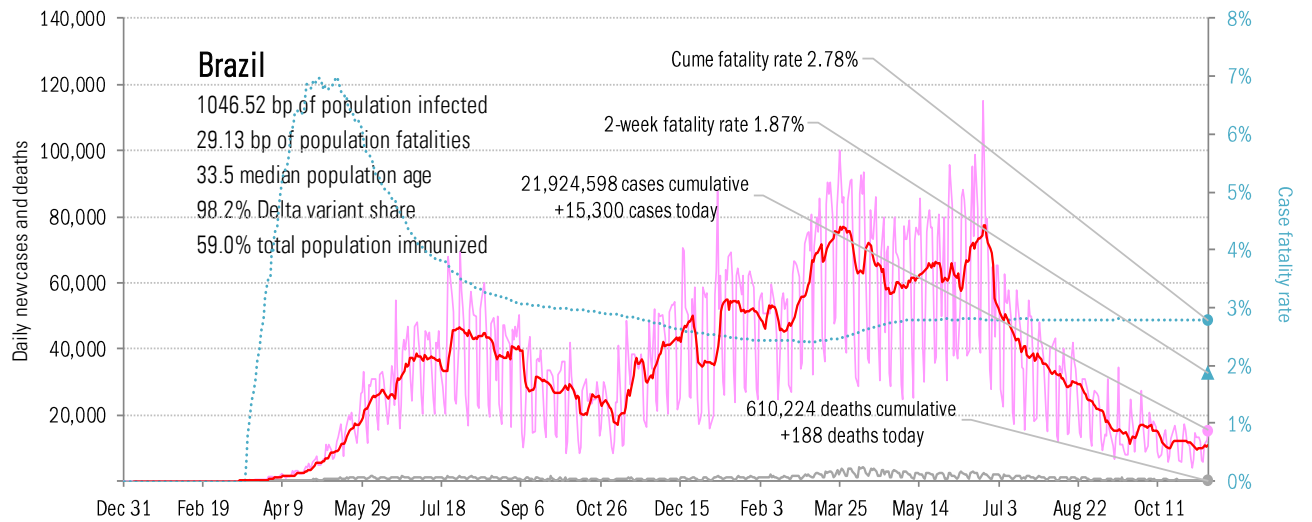
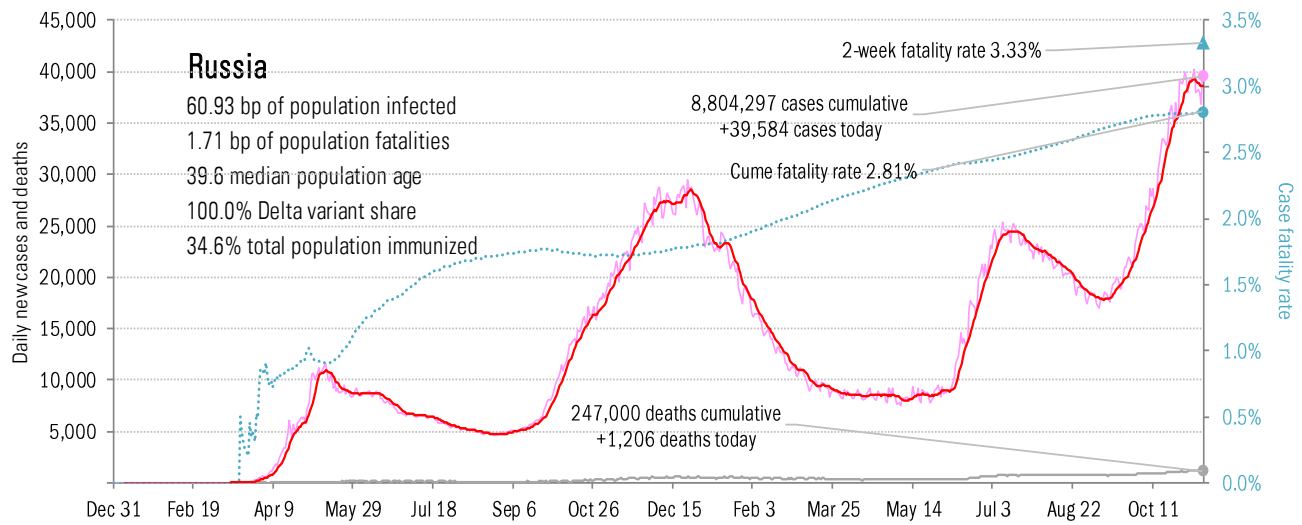
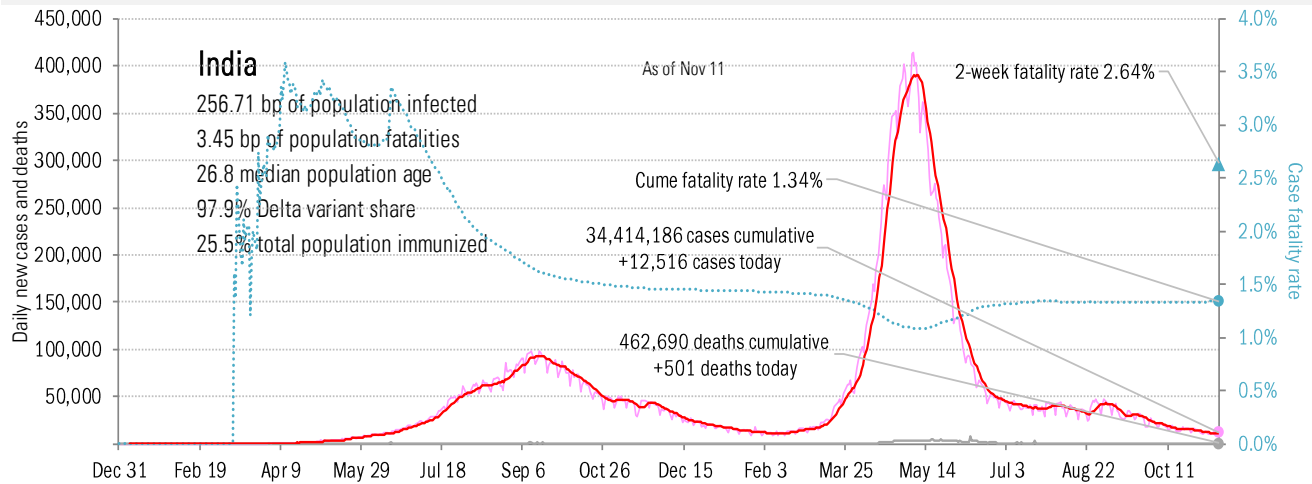
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

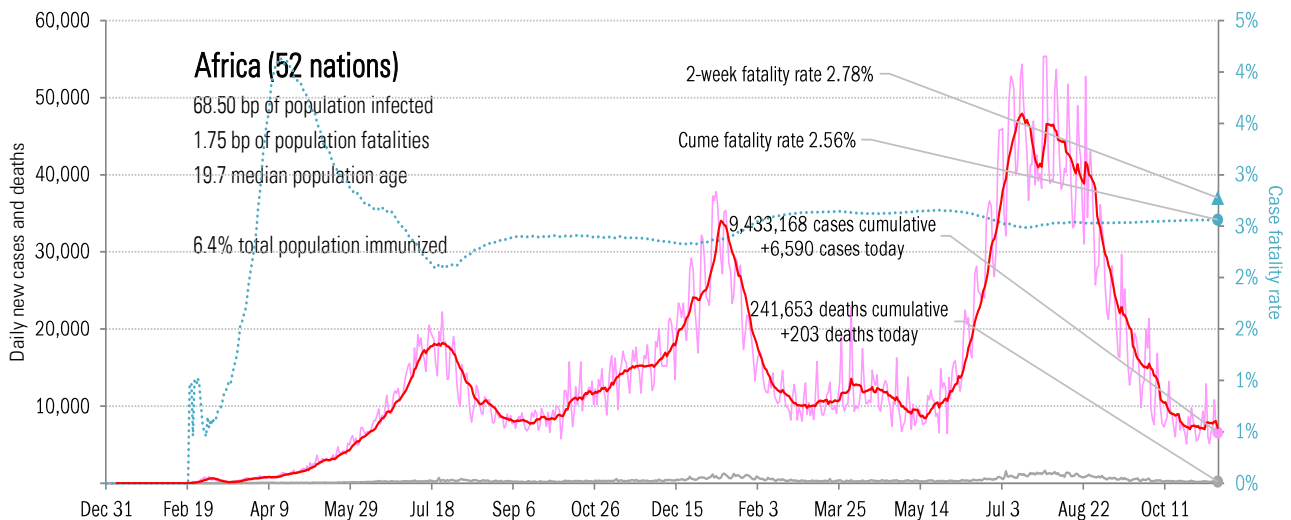
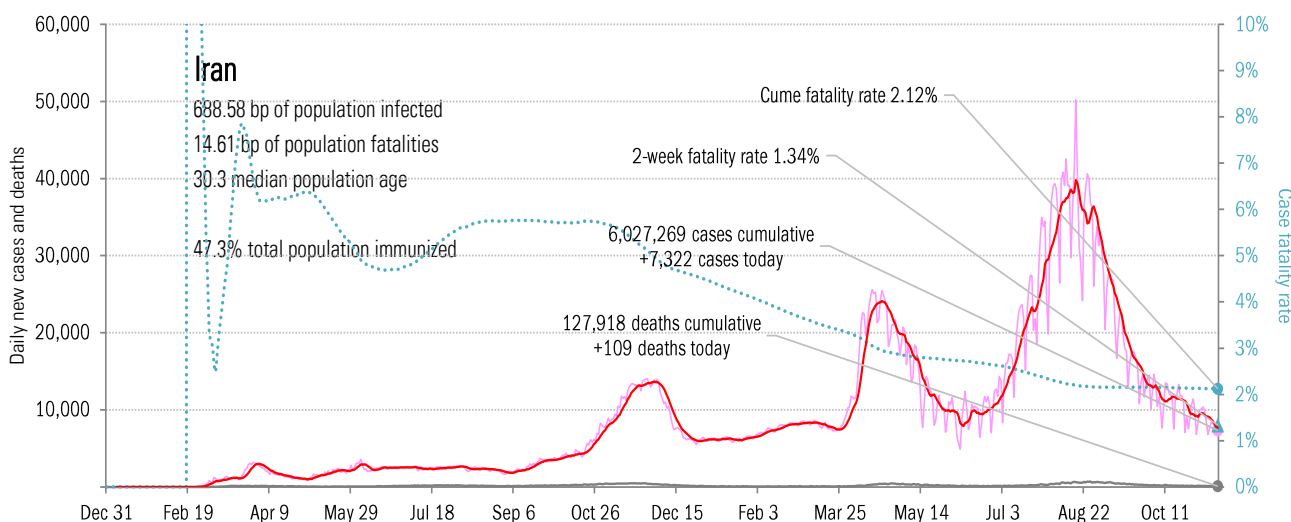
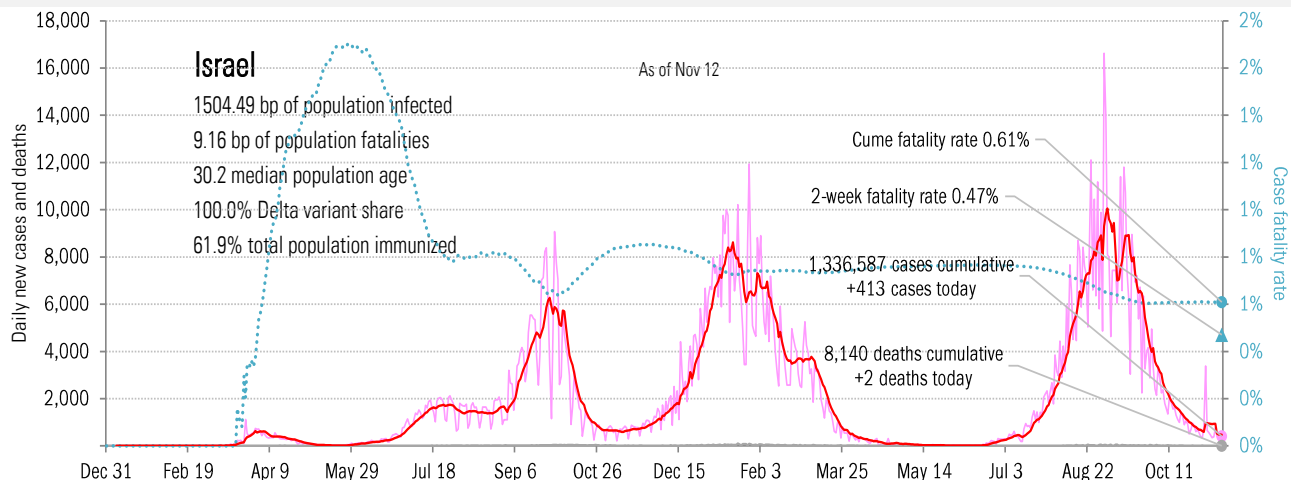
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

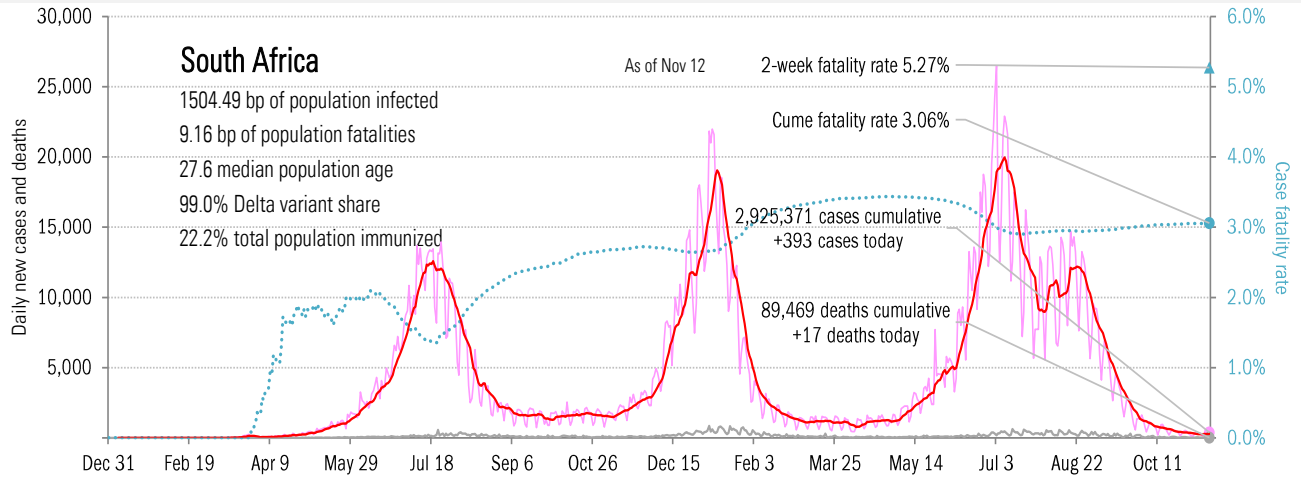
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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