

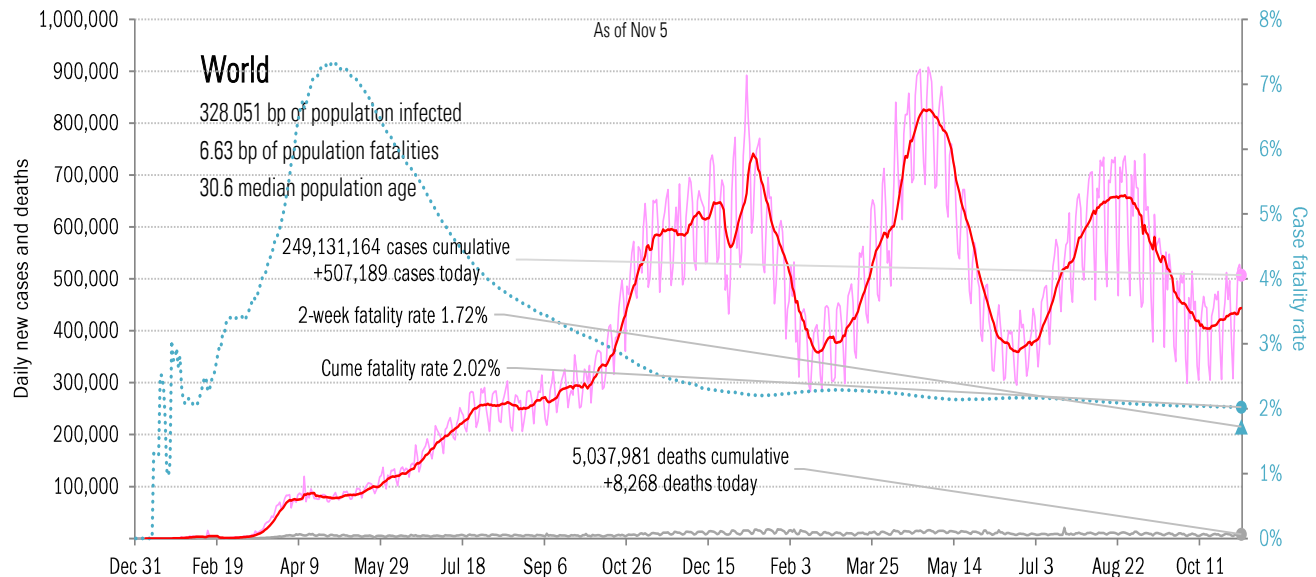
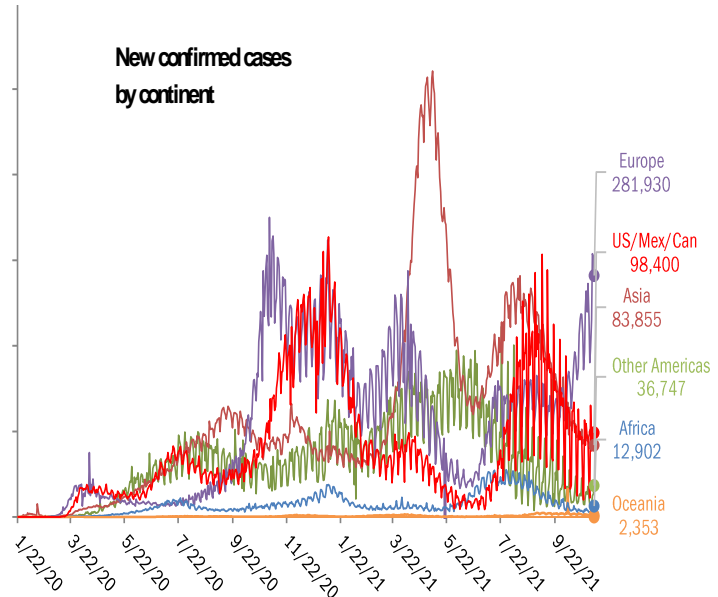
Data Insights: Covid-2019 Monitor

Saturday, November 6, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+92,113	United States	+1,802
Russia	+39,617	Russia	+1,159
United Kingdom	+33,972	Ukraine	+729
Germany	+33,785	Romania	+483
Turkey	+28,193	India	+392
Ukraine	+27,606	Brazil	+389
Poland	+15,905	Philippines	+260
Brazil	+13,321	Mexico	+244
Netherlands	+10,963	Turkey	+198
India	+10,929	United Kingdom	+193
+306,404		+5,849	
World	+507,189	World	+8,268
Top ten	60%	Top ten	71%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

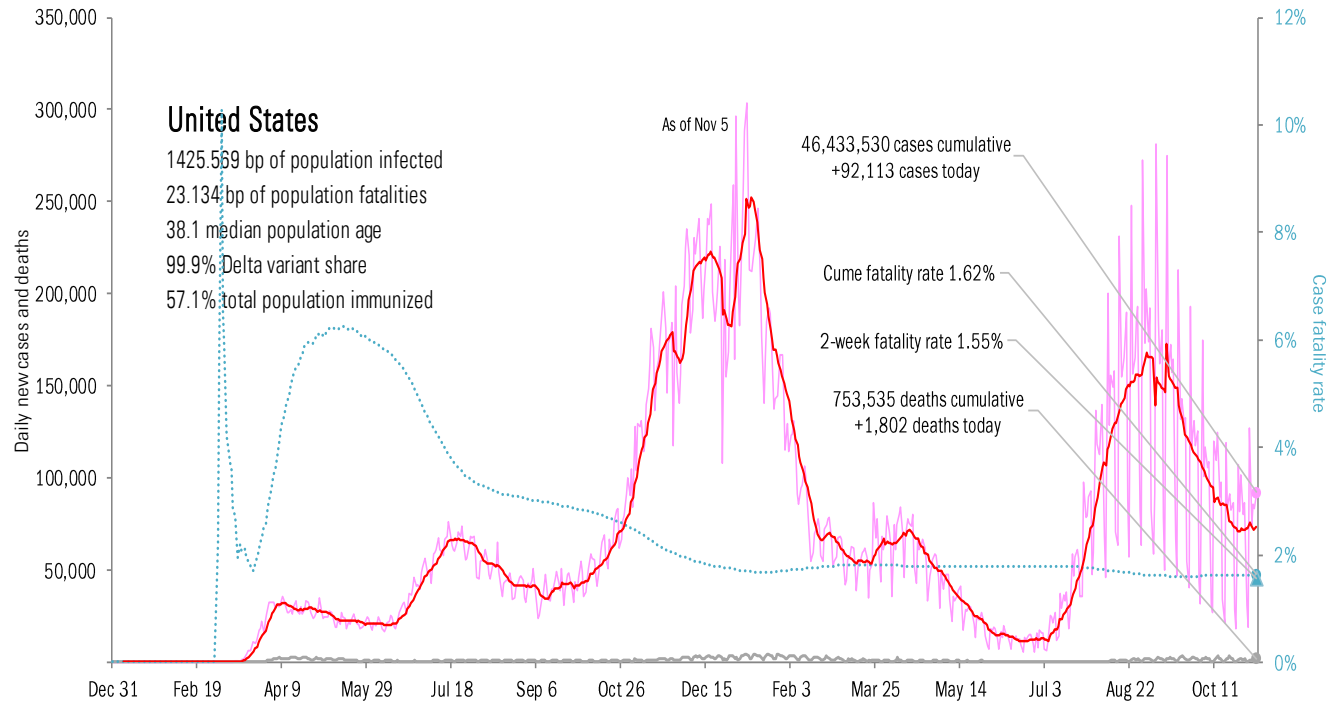
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	+12,159		OH	+304		GA	+72		CA	4,957,945		CA	72,489		TX	376,014		MA	87%	RI	88%
CA	+8,456		TX	+136		AZ	+38		TX	4,257,615		TX	71,802		FL	319,258		RI	86%	CO	88%
PA	+5,130		CA	+123		CA	+28		FL	3,698,873		FL	59,943		CA	312,076		PA	85%	NM	88%
NY	+4,860		MI	+96		WI	+25		NY	2,581,256		NY	56,660		NY	164,776		MD	85%	KY	87%
CH	+4,348		FL	+95		WA	+22		IL	1,712,986		PA	31,855		GA	160,283		MI	84%	TX	87%
AZ	+3,813		GA	+90		NV	+21		GA	1,641,036		GA	29,483		CH	124,631		WA	84%	NH	87%
MN	+3,354		PA	+72		CR	+20		PA	1,585,476		IL	28,381		PA	117,922		GA	82%	ID	85%
CO	+3,308		AZ	+58		CO	+16		CH	1,565,043		NJ	28,062		KY	111,617		MN	82%	AL	84%
WI	+3,281		KY	+53		CH	+16		NC	1,489,653		CH	25,067		IL	105,358		NY	82%	DE	84%
IL	+2,942		AL	+52		KS	+10		MI	1,309,655		MI	23,975		MI	92,569		MO	82%	NV	84%
+51,651			+1,079			+268			24,799,538			427,717			1,884,504						
All states	+92,113		+1,802			-19			All states	46,433,530		753,535			3,370,724			All states	70%	67%	
Top ten	56%		60%			-1411%			Top ten	53%		57%			56%			Median	76%	78%	

Some states not reporting

Five most improved US states

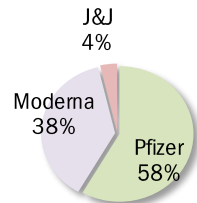
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-5,062	FL	-83	MI	-81	SD	+30 bp
IL	-1,325	CR	-55	WV	-46	NC	+20 bp
CO	-841	SC	-20	NE	-38	AK	+10 bp
WA	-529	ID	-14	IL	-35	AR	+10 bp
TX	-524	WV	-14	MN	-35	AZ	+10 bp



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	439,942,026	+1.317 million	US	57.1%	66.3%
Boosters	22,651,670	+0.810 million	UK	67.1%	73.5%
	One dose	% Pop	Immune	% pop	New immune today
Total population	228,598,457	68%	198,444,490	59%	+0.204 million
Age 12 to 17	14,246,647	60%	11,970,980	50%	+0.013 million
Age 18 to 64	157,858,637	78%	137,083,926	67%	+0.150 million
Age 65 and over	55,363,432	101%	48,464,323	88%	+0.040 million



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



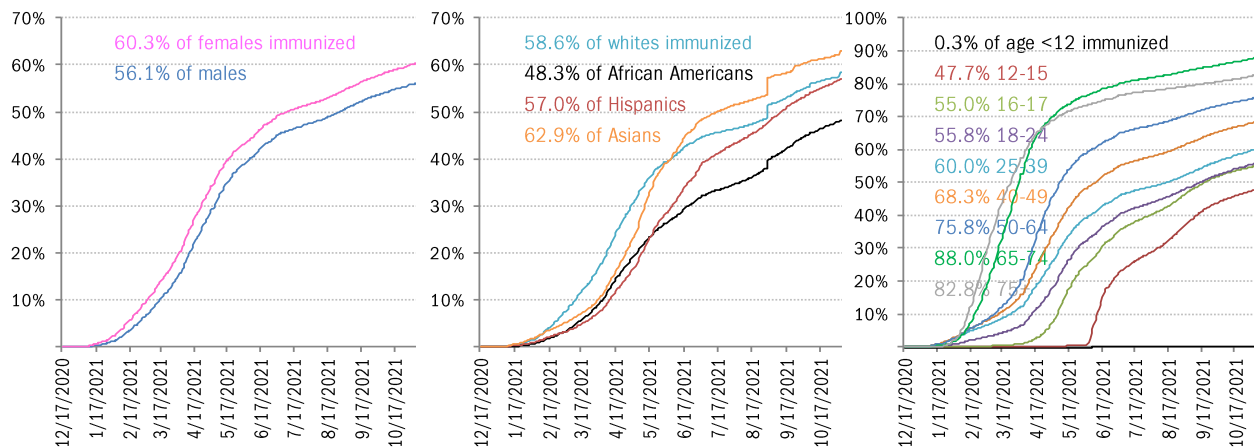
Every American >18 immunized in **47 days** by Dec 21, 2021
 71.9% of population >18 immunized
 16.5% previously tested positive
88.4% vs 60% adult herd immunity

France	68.2%	76.0%
Spain	80.0%	81.5%
Germany	66.4%	69.0%
Italy	71.9%	77.4%
Australia	66.6%	74.7%
Israel	65.3%	71.0%
Canada	74.7%	78.6%
Japan	73.4%	78.1%
Africa	6.2%	9.2%
India	24.3%	53.1%
Brazil	57.4%	75.7%
China	74.1%	76.2%

Global data differs due to sources, timing

AK	HI	WI	ME							
59.8%	79.3%	63.0%	77.4%							
52.9%	60.0%	58.6%	70.9%							
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
69.8%	49.4%	57.3%	55.3%	65.6%	66.1%	58.5%	74.8%	80.2%	78.1%	
63.8%	44.2%	50.8%	47.8%	61.5%	60.7%	53.7%	67.0%	71.5%	63.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
68.7%	63.8%	51.3%	62.7%	60.0%	54.0%	56.1%	79.1%	75.5%	80.8%	
63.1%	53.2%	44.3%	53.2%	55.8%	50.0%	52.1%	60.9%	66.6%	69.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
75.0%	61.5%	68.0%	61.3%	57.2%	57.8%	49.1%	71.6%	73.2%	79.6%	78.7%
61.6%	54.0%	61.9%	56.5%	50.0%	51.0%	41.1%	63.4%	66.2%	71.0%	71.2%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
61.5%	72.6%	63.0%	58.3%	54.8%	65.1%	57.9%	75.6%	69.5%		
53.4%	62.4%	53.4%	48.3%	47.9%	53.1%	50.2%	62.9%	60.1%		
OK	LA	MS	AL	GA						
59.9%	54.1%	52.4%	54.8%	57.2%						
50.4%	47.9%	46.0%	45.0%	48.5%						
TX	FL	PR								
61.7%	69.4%	82.5%								
53.6%	60.0%	73.8%								

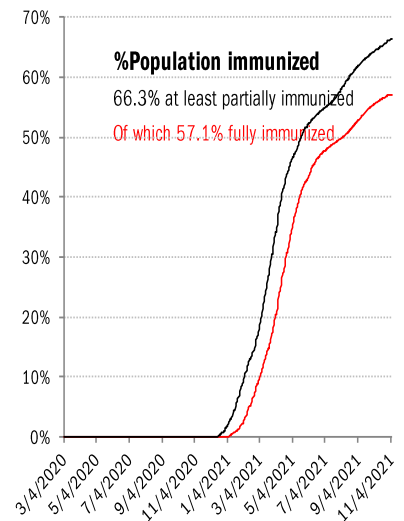
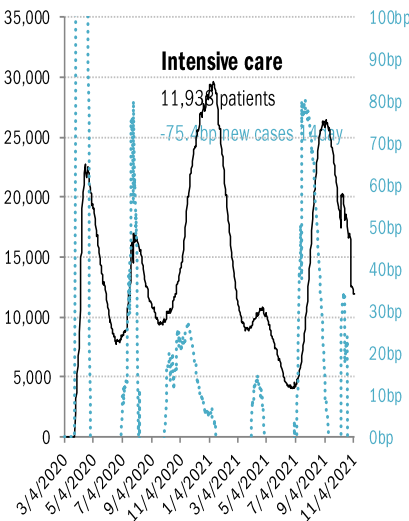
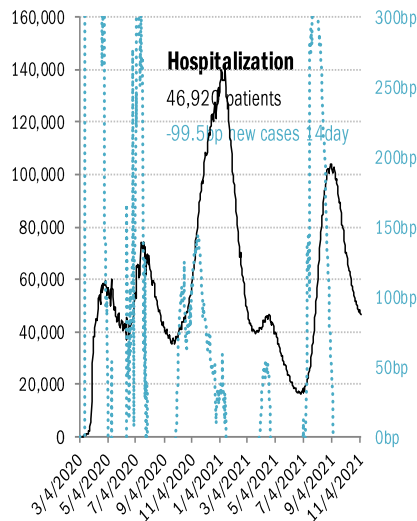
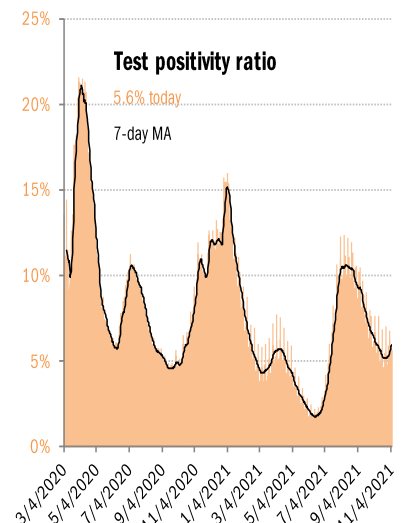
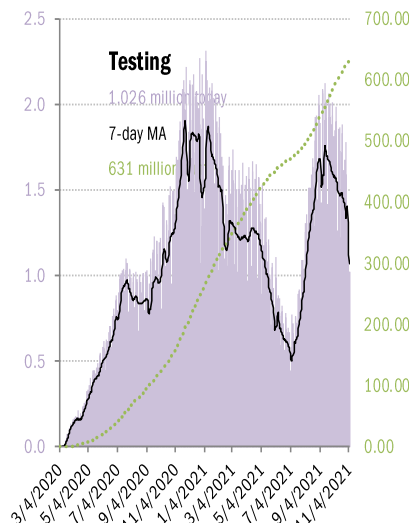
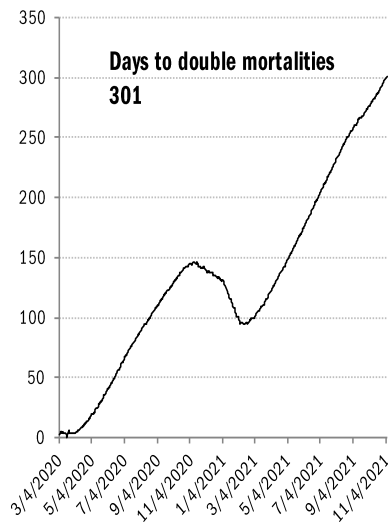
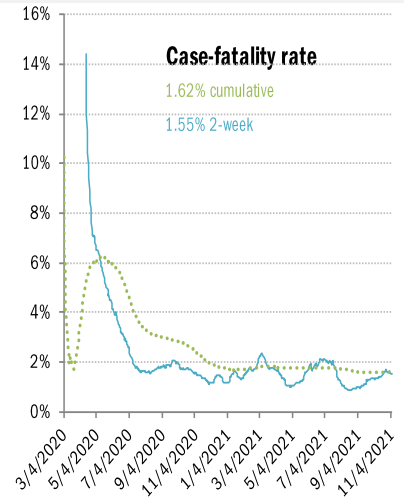
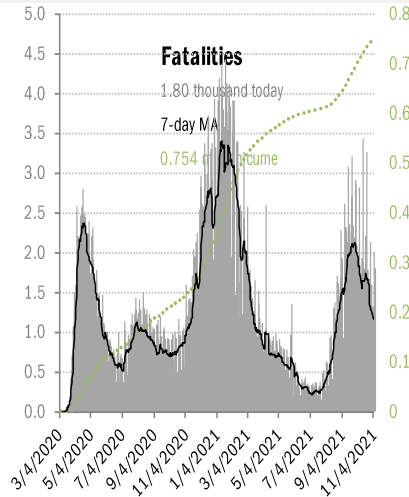
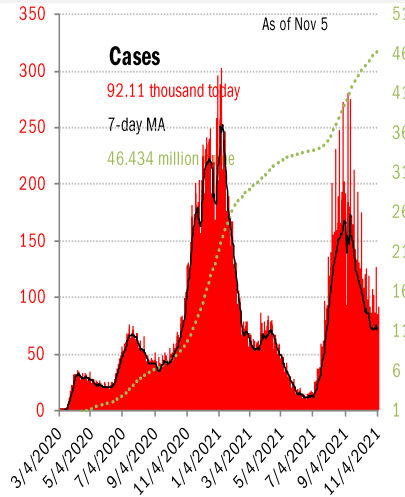
The demographics of US vaccination



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

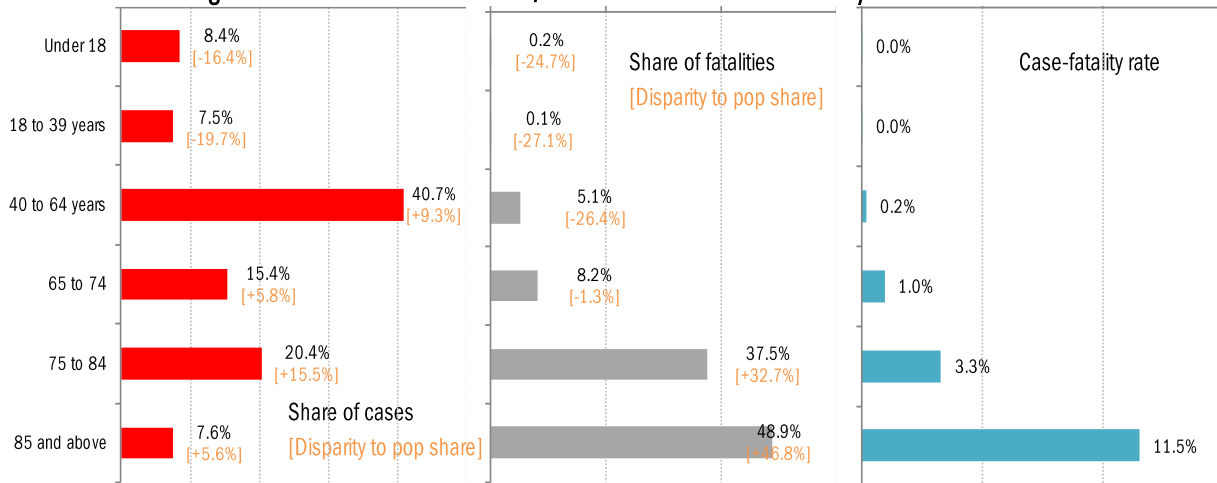
US deep-dive

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

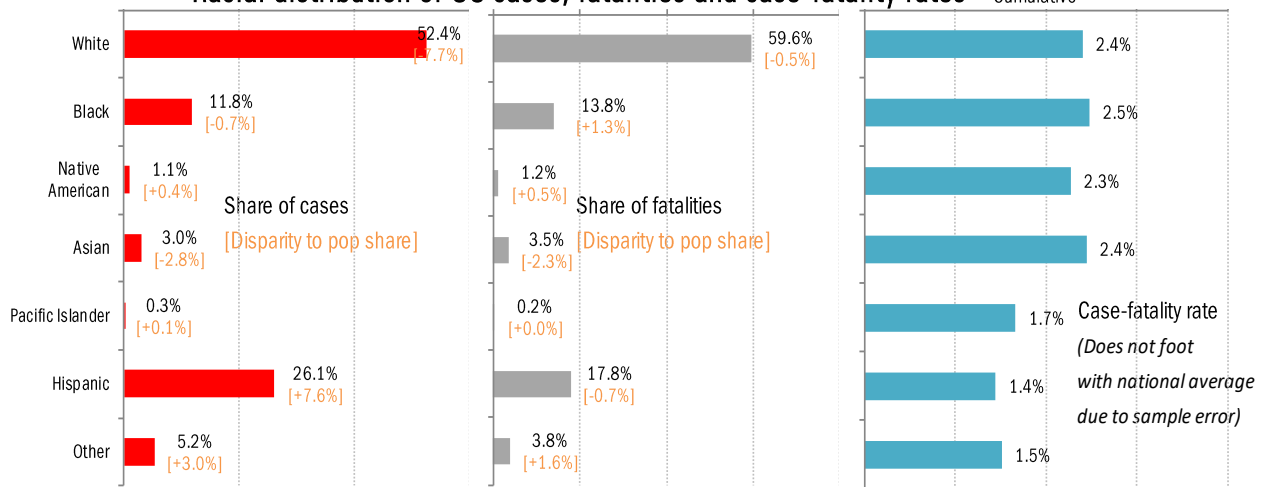


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

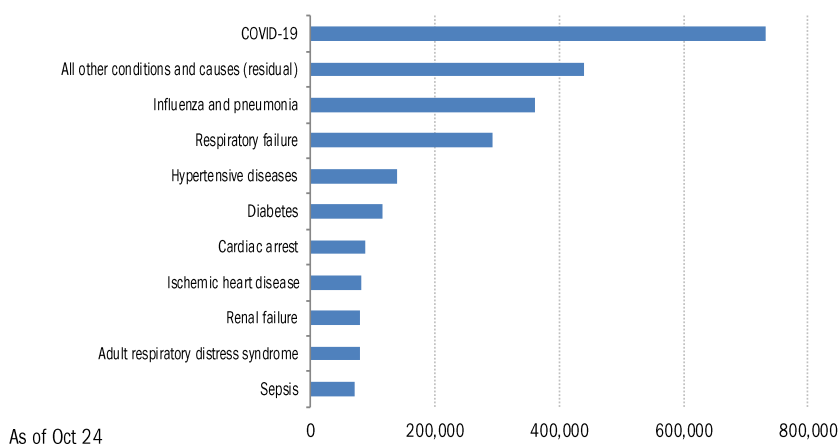


Racial distribution of US cases, fatalities and case-fatality rates



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

[Near-Daily Covid Tests, Sleeping in Classrooms: Life in Covid-Zero China](#)

Vivian Wang and Joy Dong
New York Times
November 5, 2021

[Feds Pay Zero Claims For Covid-19 Vaccine Injuries/Deaths](#)

Adam Andrzejewski
Forbes
November 4, 2021

[Covid: How long does vaccine based immunity last?](#)

Sebastian Rushworth
Sebastian Rushworth MD
November 5, 2021

[COVID Fading as Dominant Political Issue as Americans Focus on Inflation, Economy](#)

Newsmax
November 4, 2021

[Pfizer says its experimental pill reduces risk of hospitalization, death from Covid-19](#)

Maggie Fox and Amanda Sealy
CNN
November 5, 2021

[Britain Becomes First to Authorize an Antiviral Pill for Covid-19](#)

Rebecca Robbins, Aina J. Khan and Megan Specia
New York Times
November 4, 2021

Meme of the day



CBS News
@CBSNews



WATCH LIVE: President Biden speaks about COVID-19 vaccinations for children.

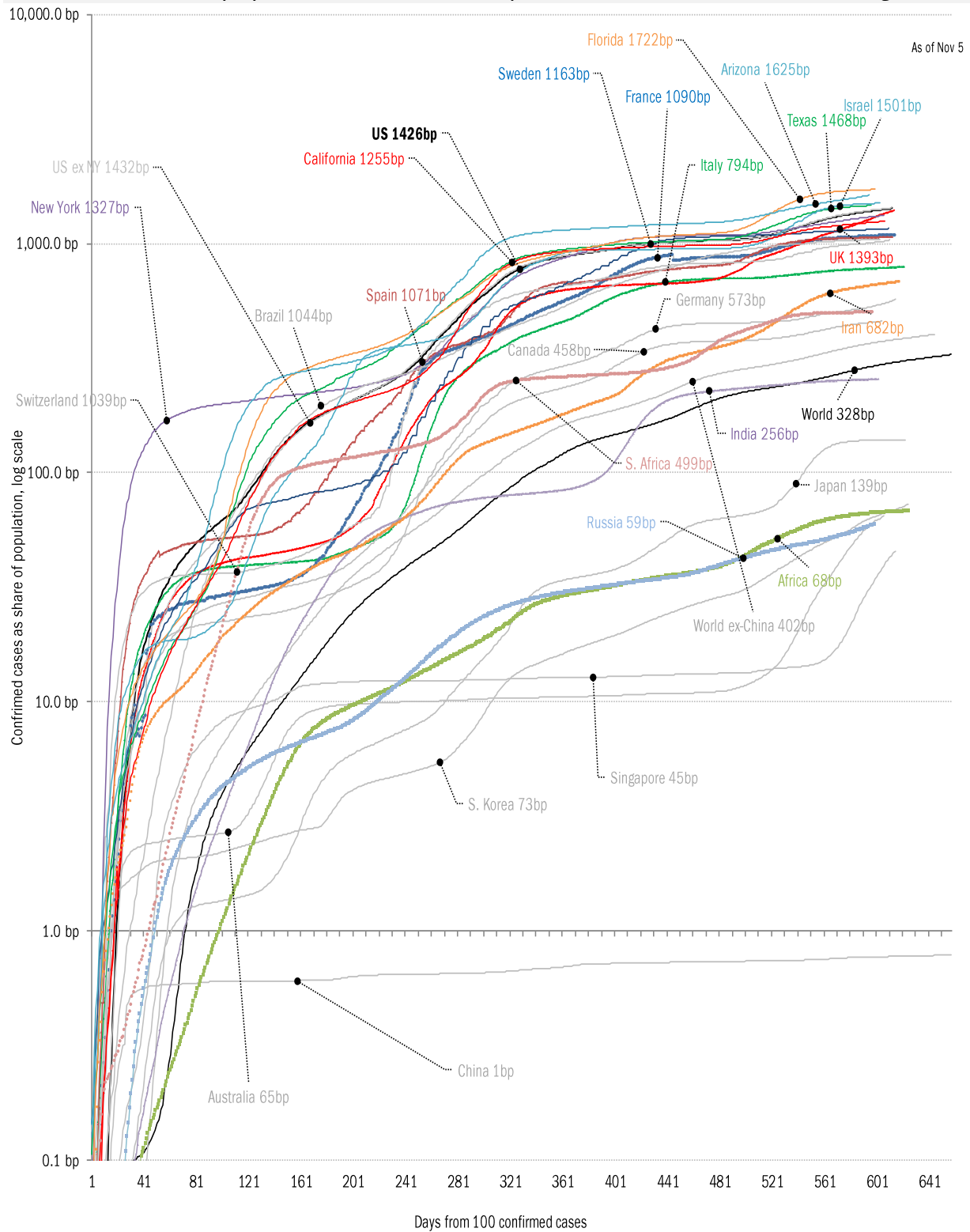


CBS News
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Biden speaks about COVID vaccines for kids

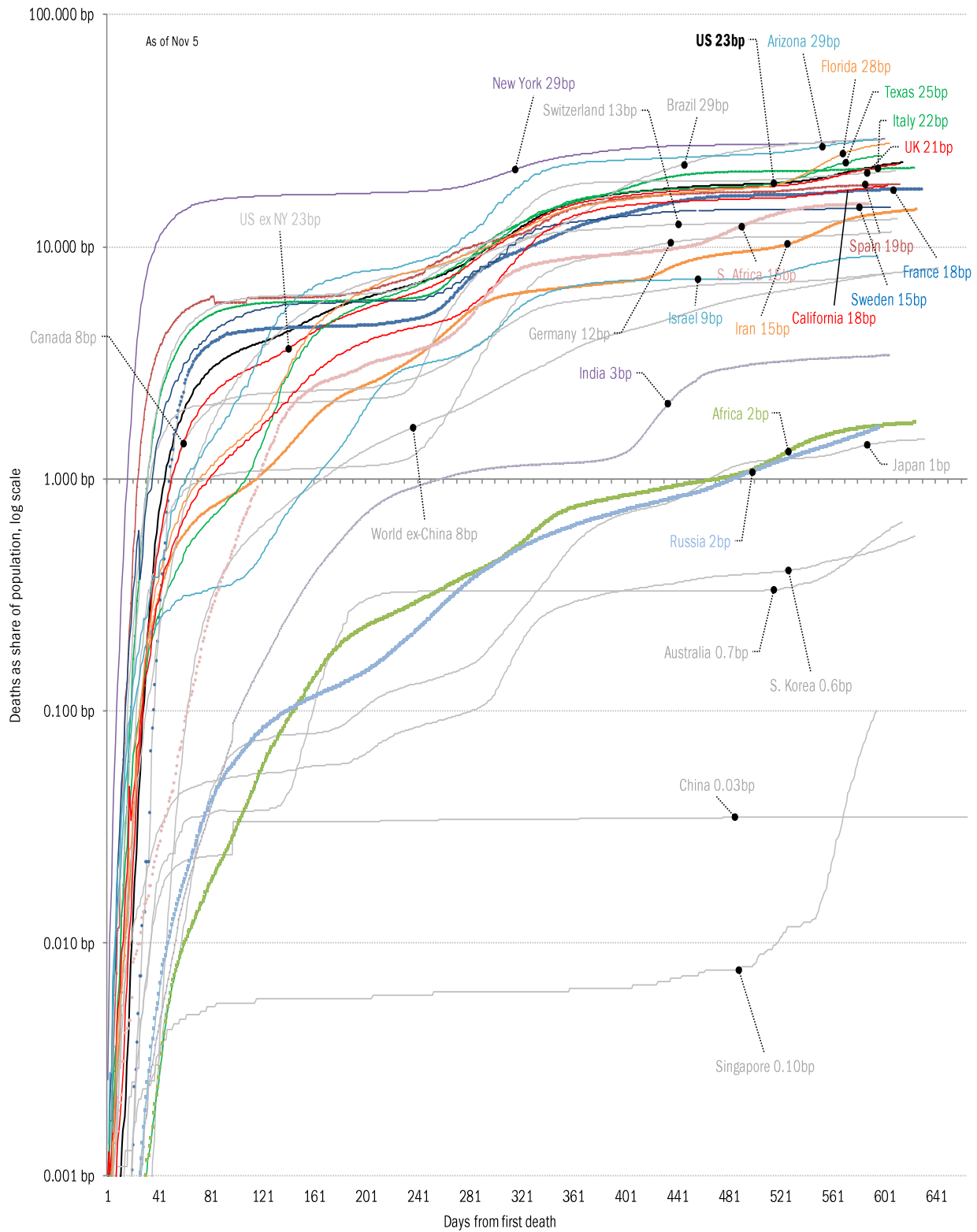
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

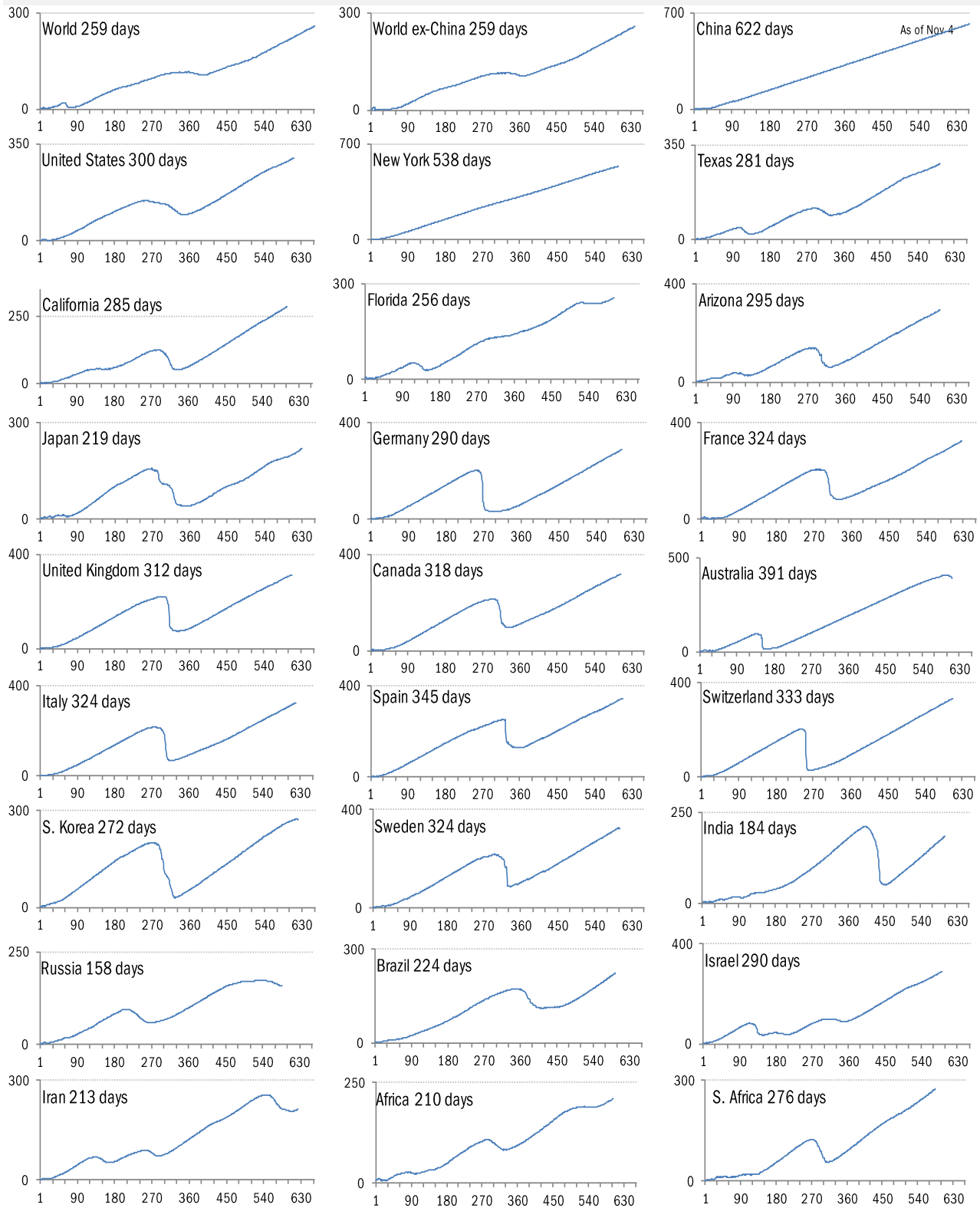


Source: [Johns Hopkins](#), TrendMacro calculations

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

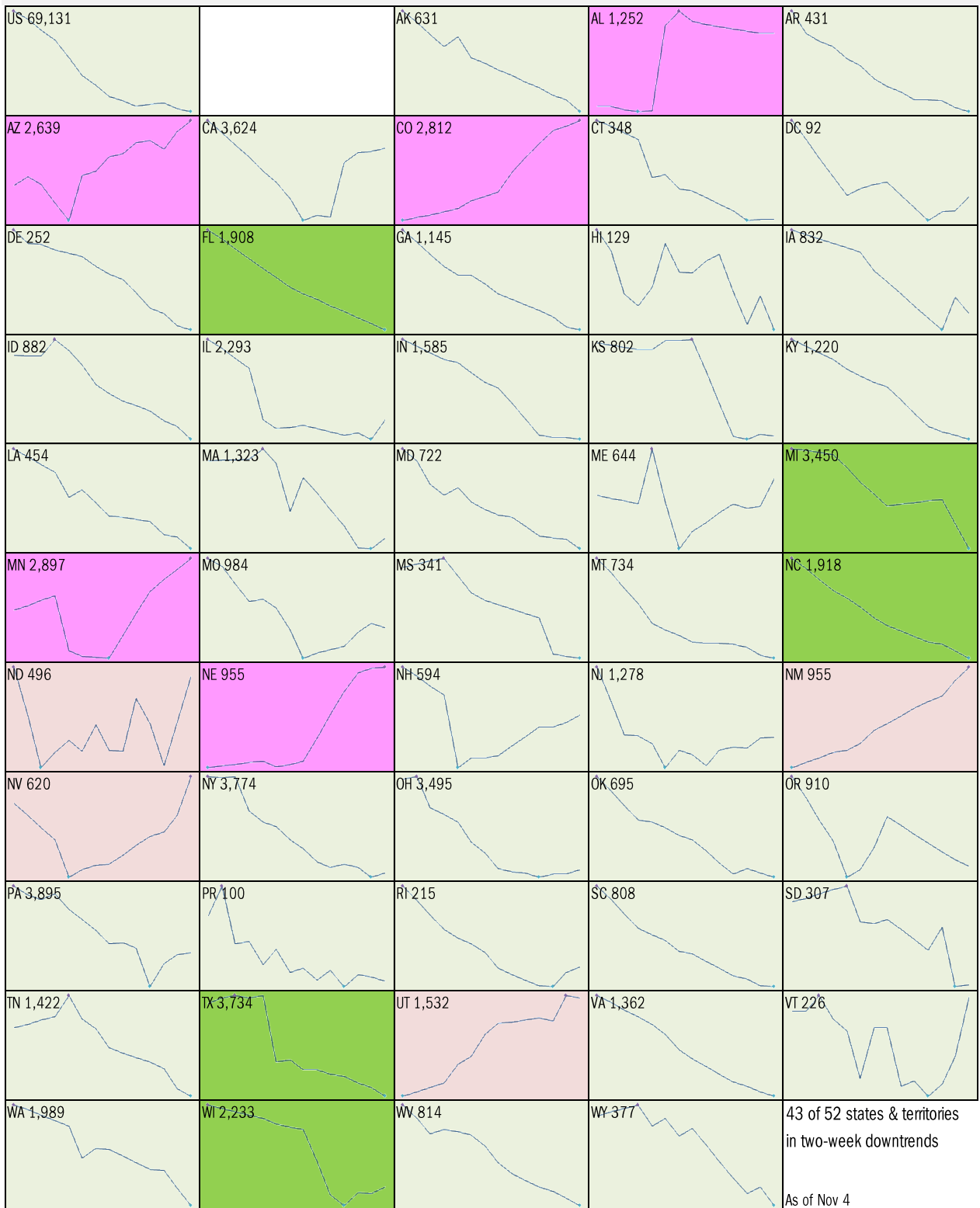
Vertical: days to double deaths Horizontal: days from first death

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

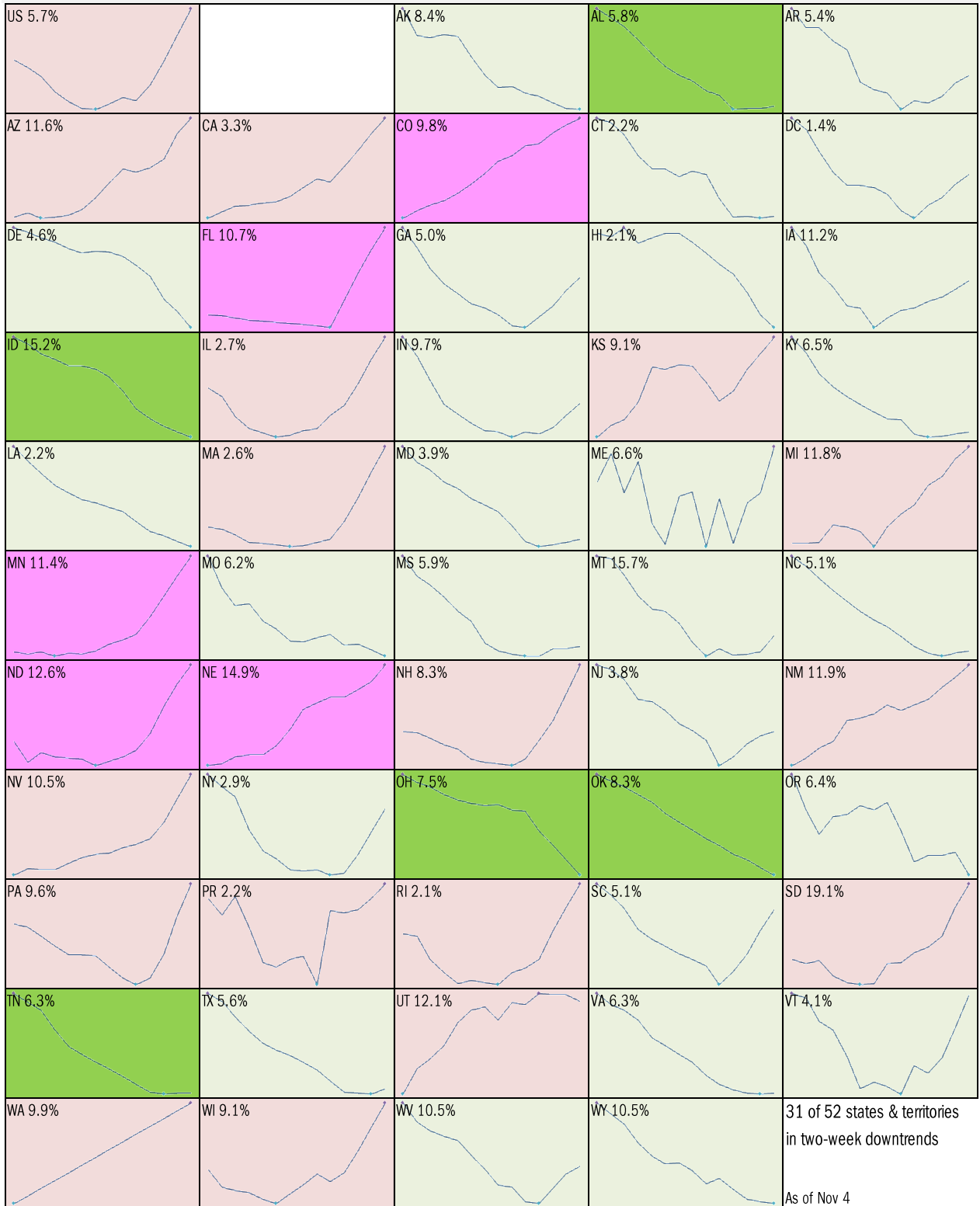


Source: [Johns Hopkins](#), TrendMacro calculations

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

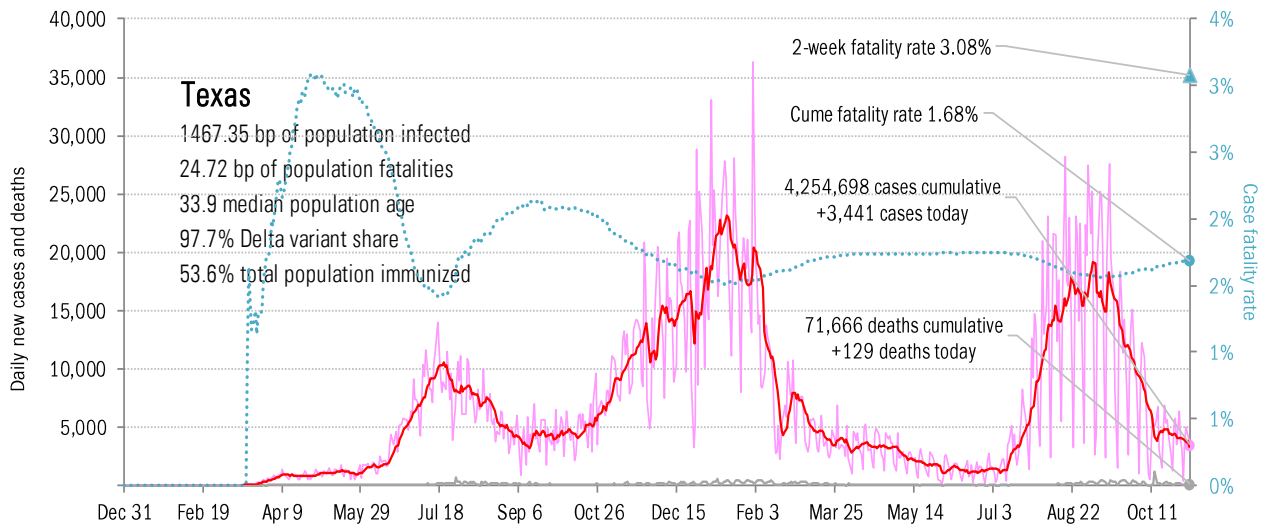
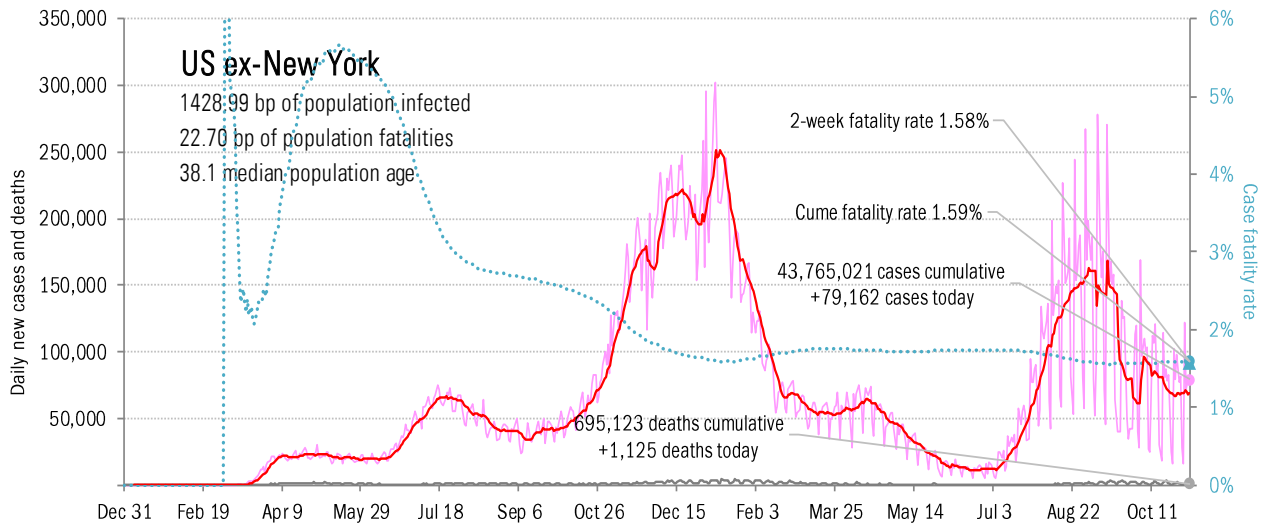
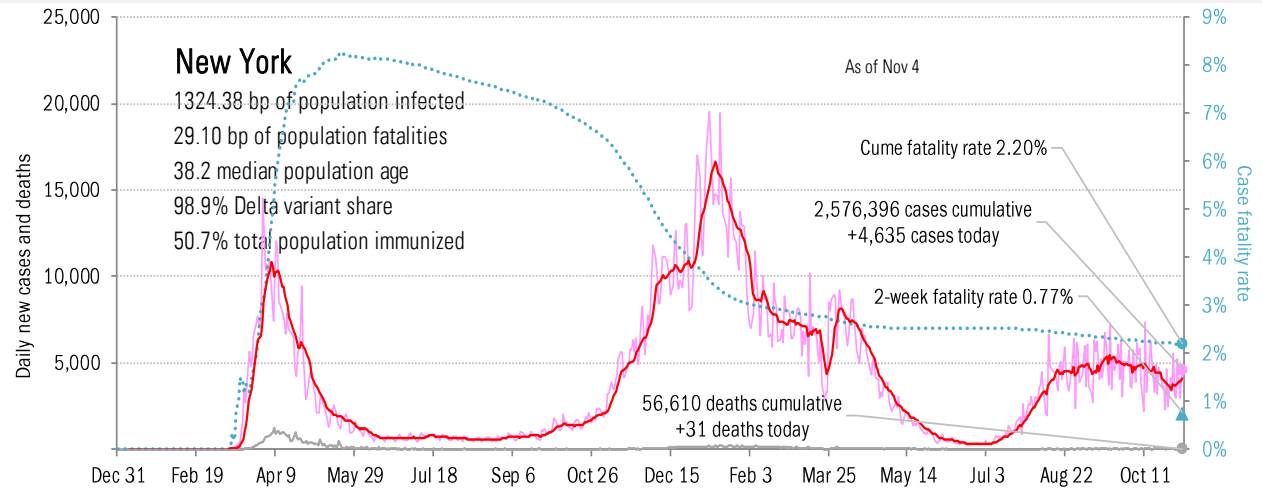
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

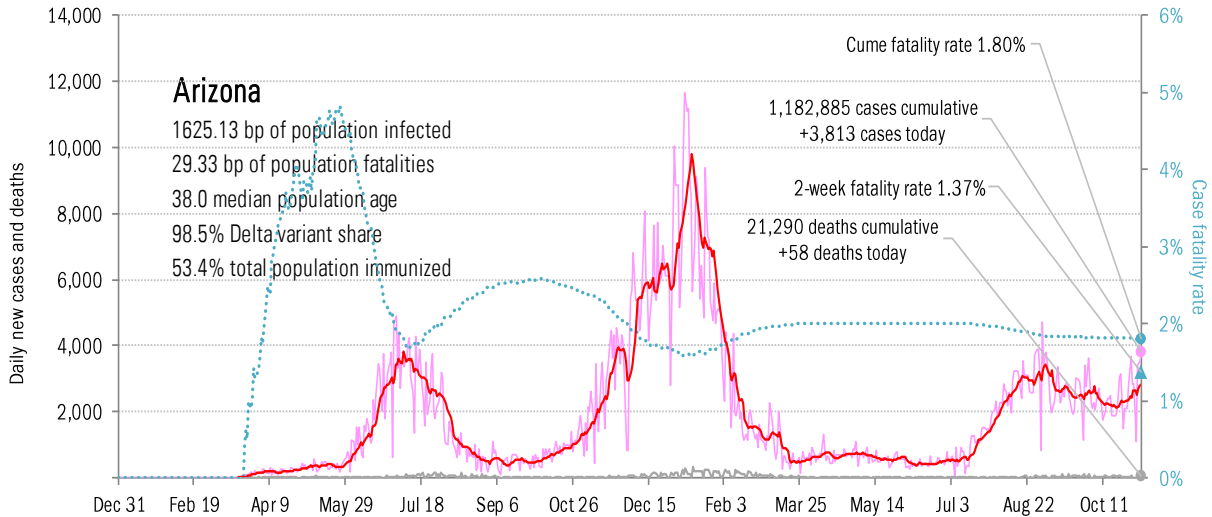
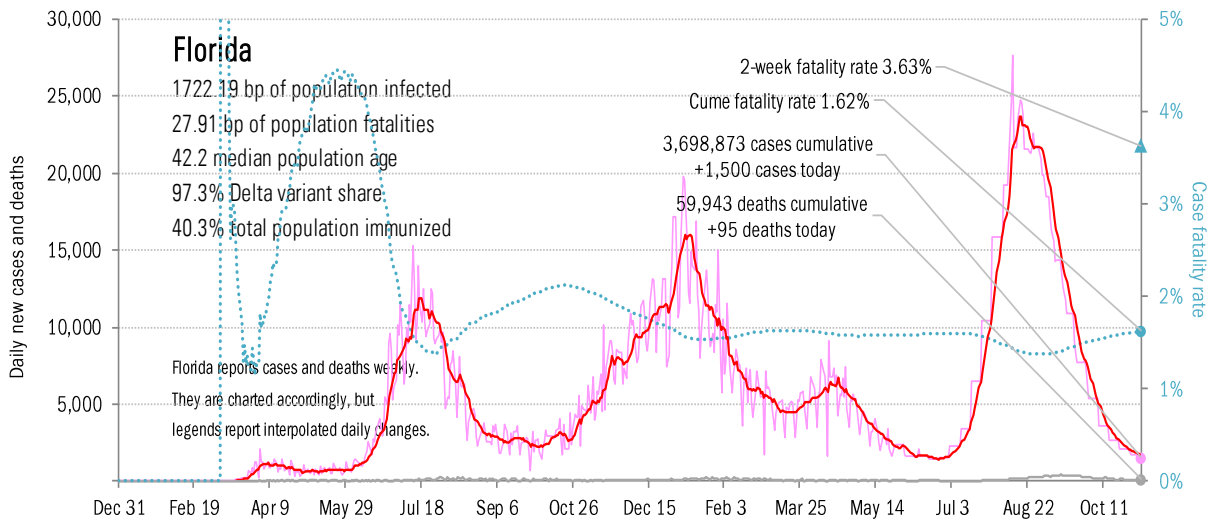
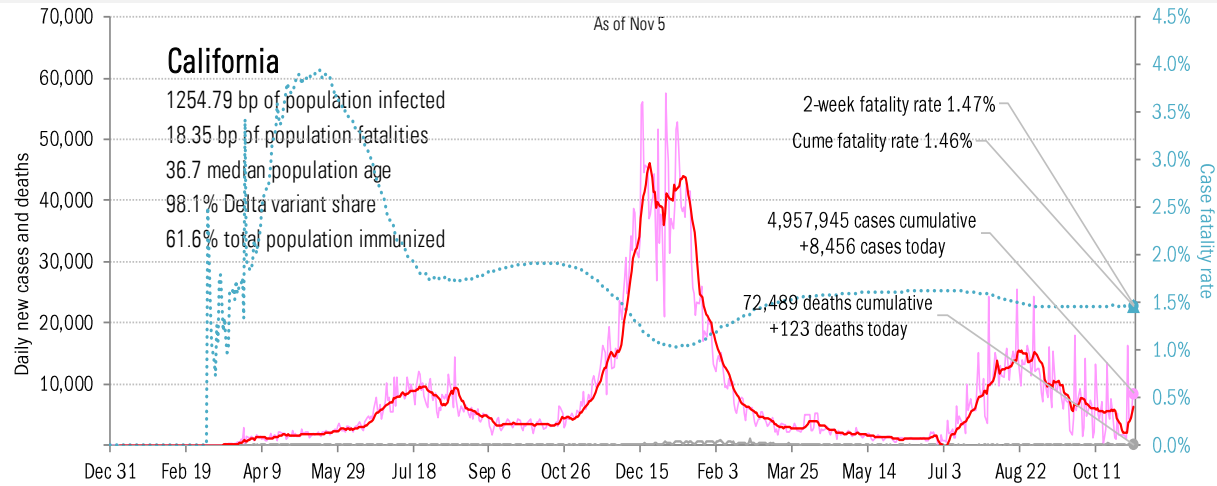
Cases: 7-day average and daily Deaths: Daily



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

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

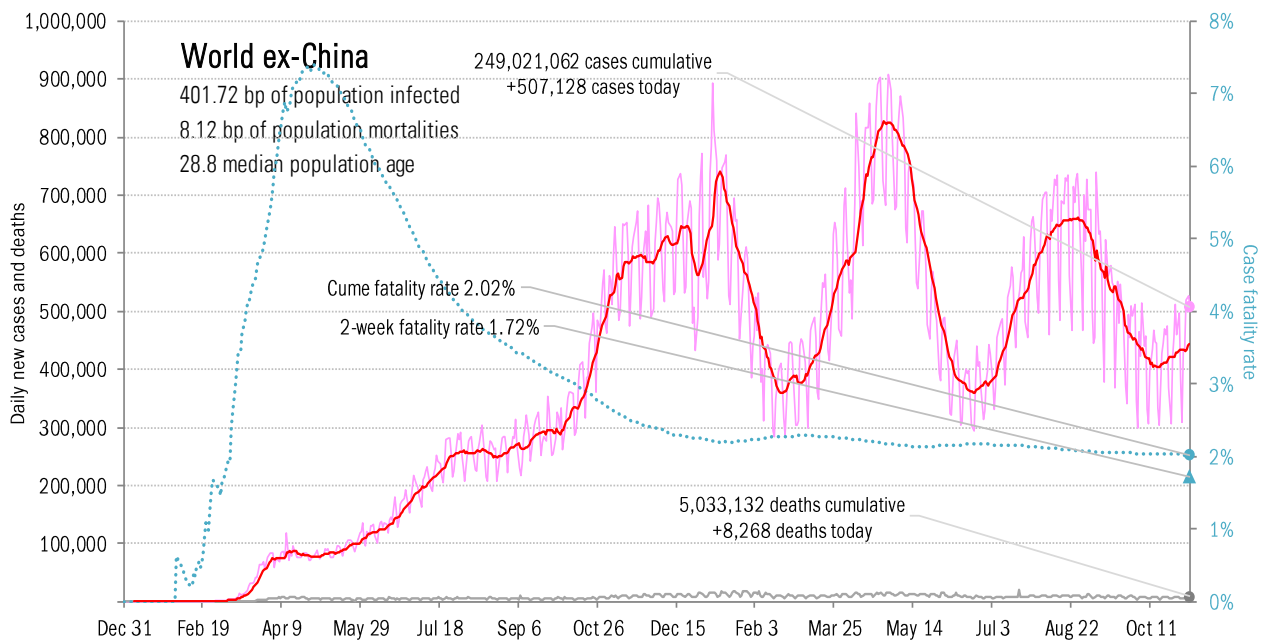
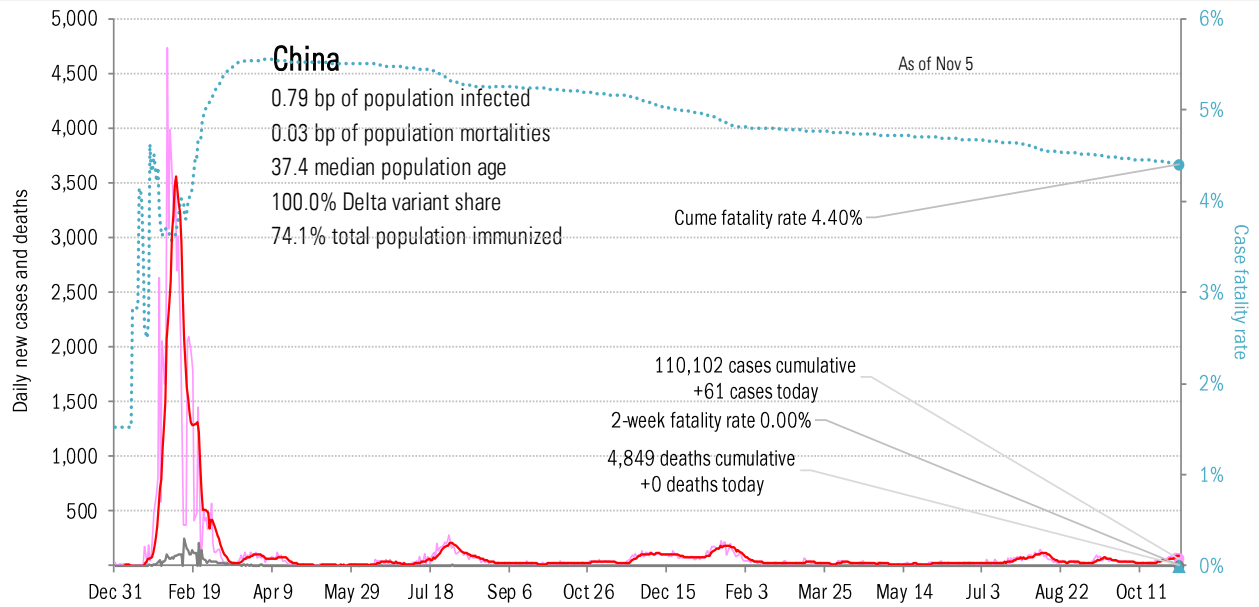
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

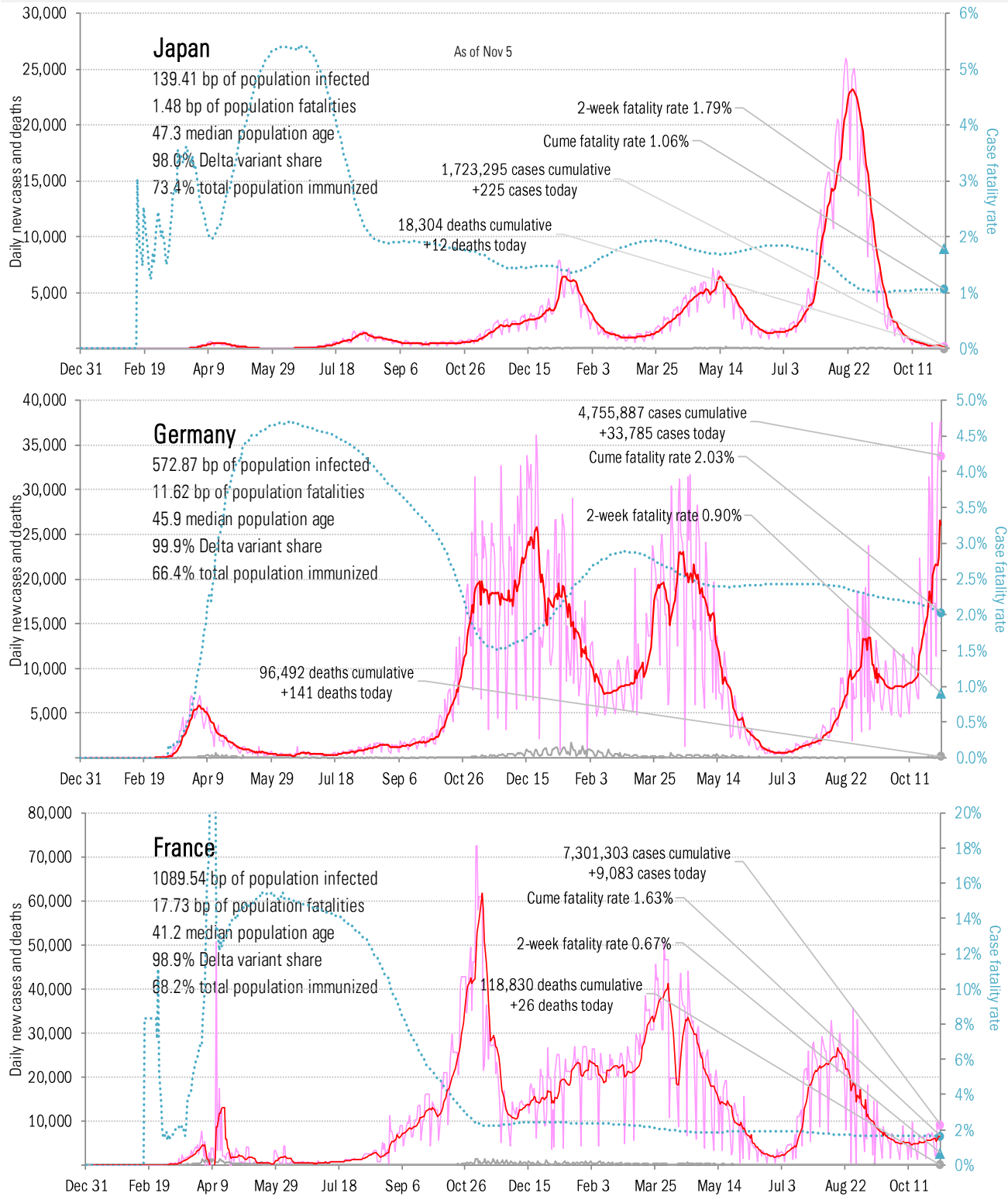
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

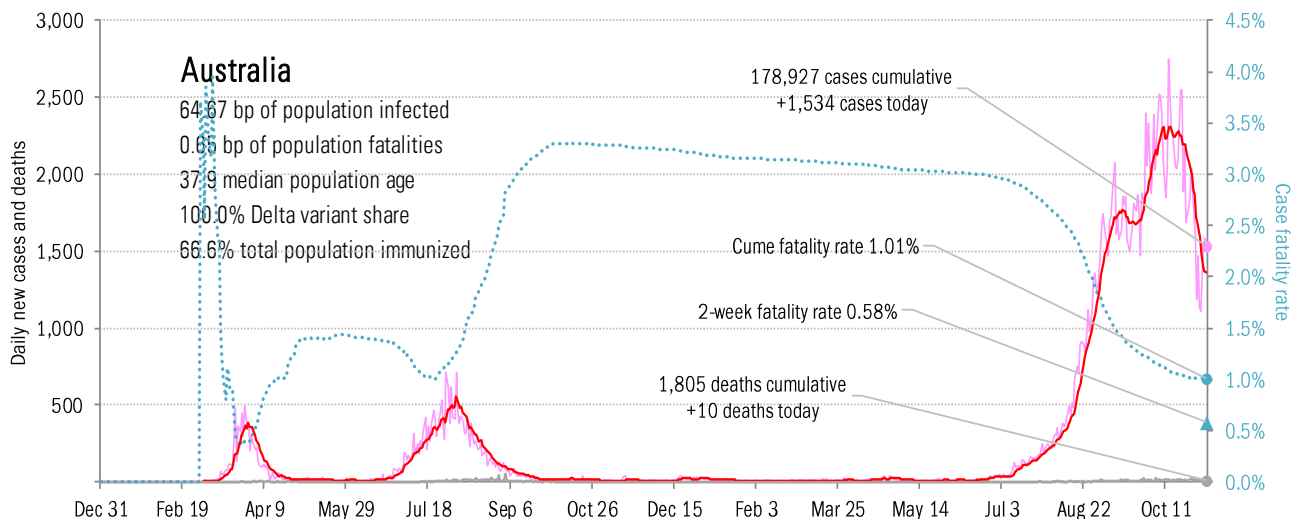
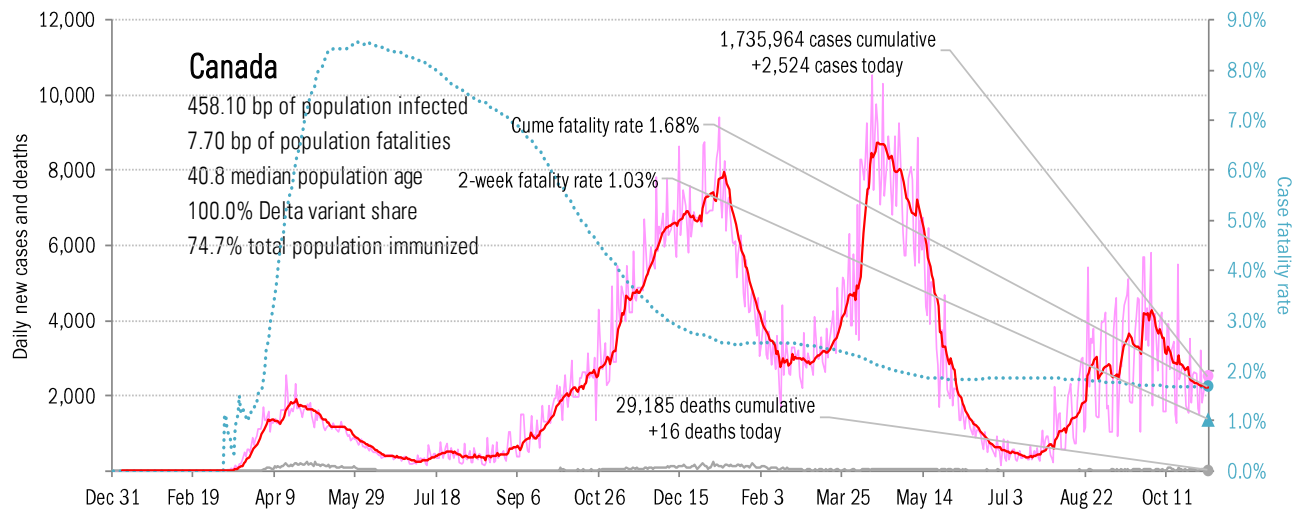
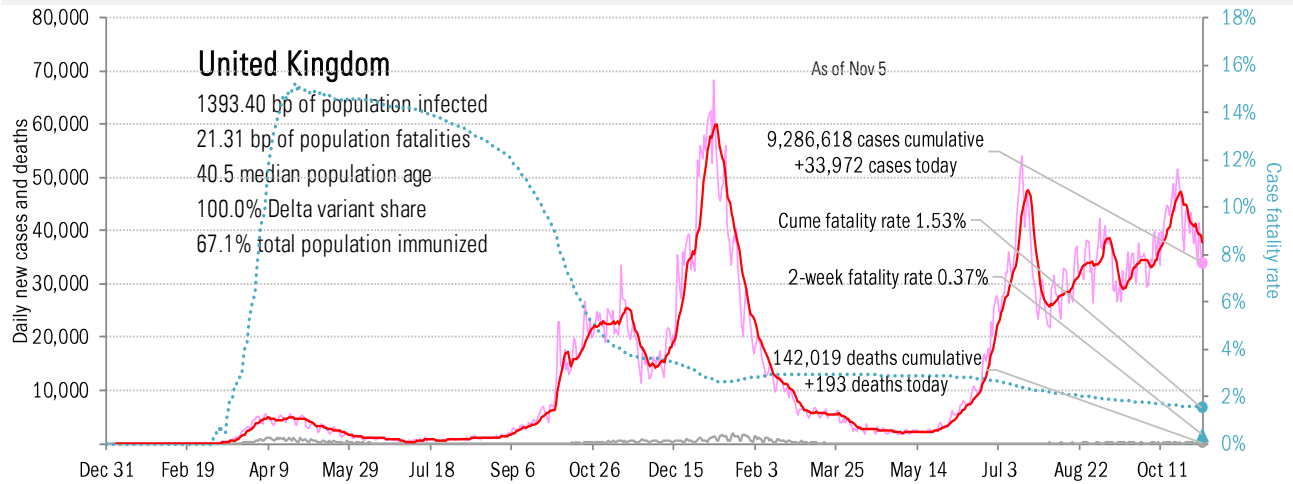
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

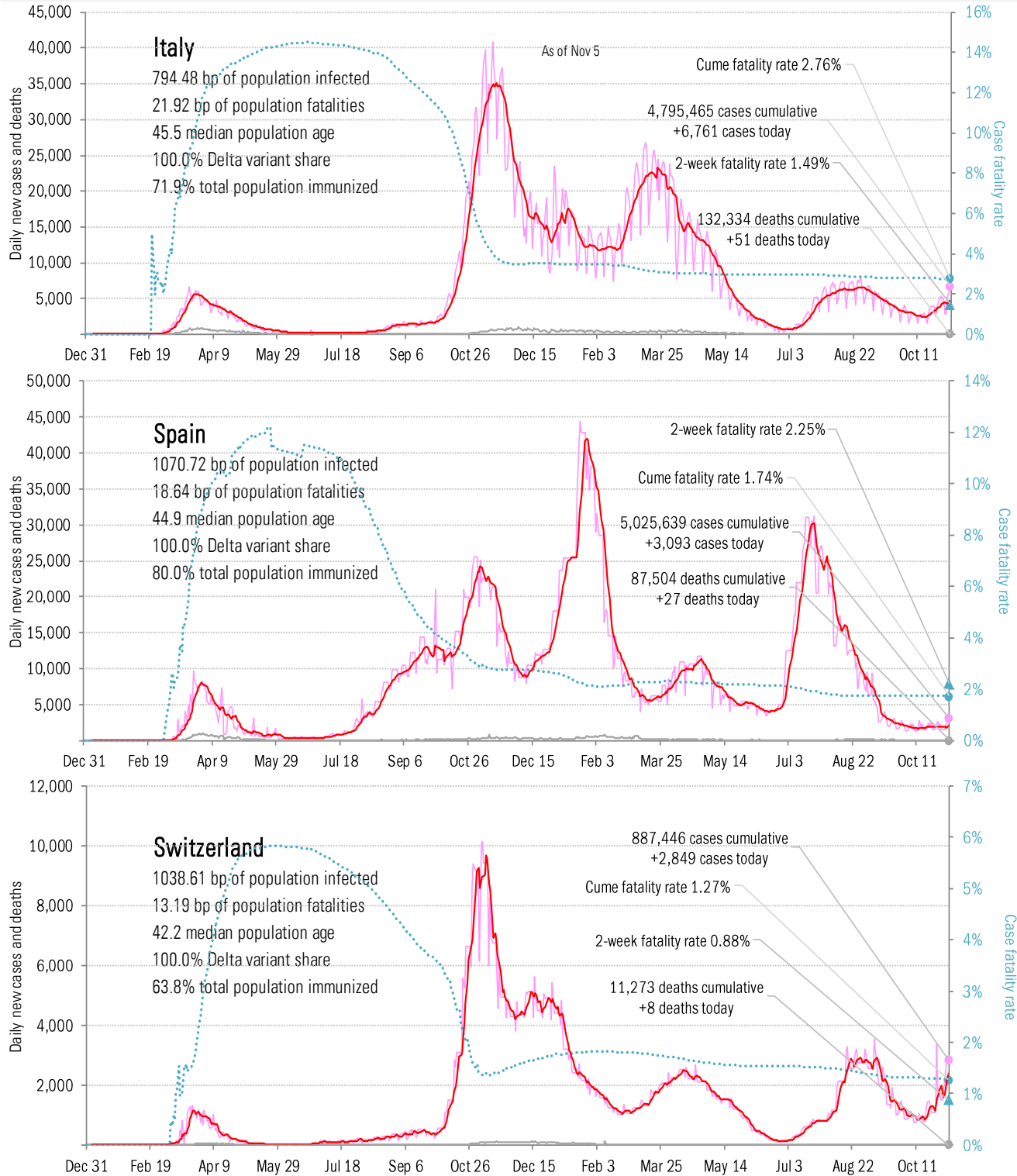
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

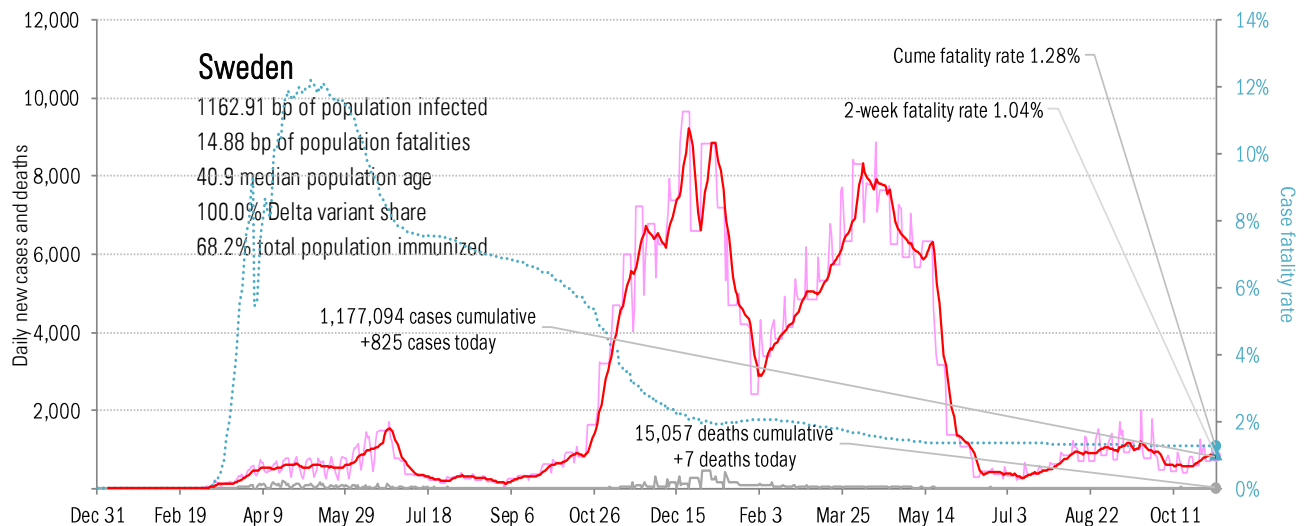
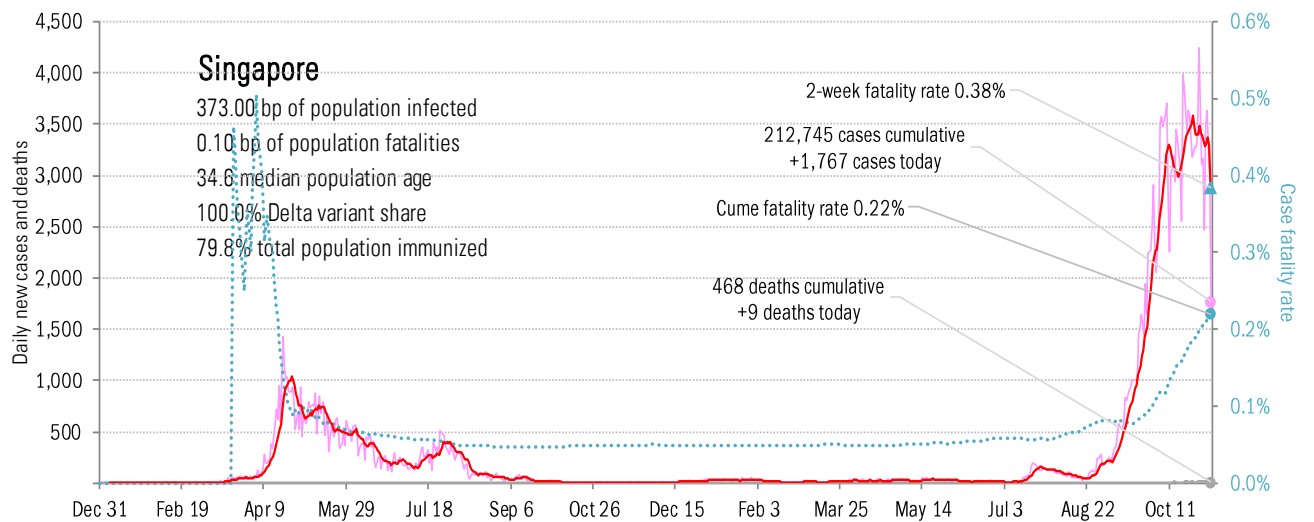
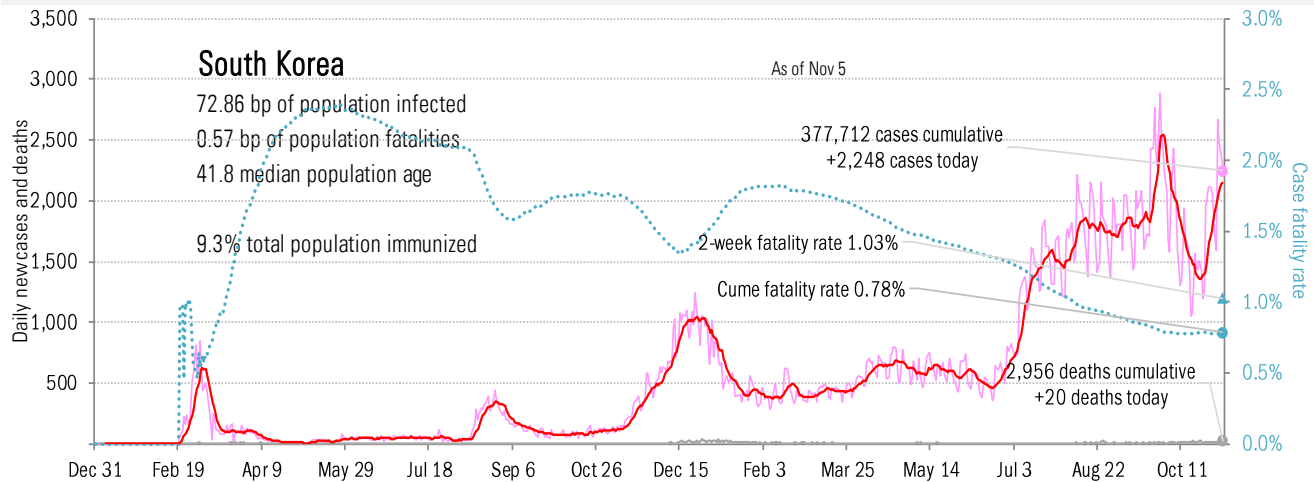
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

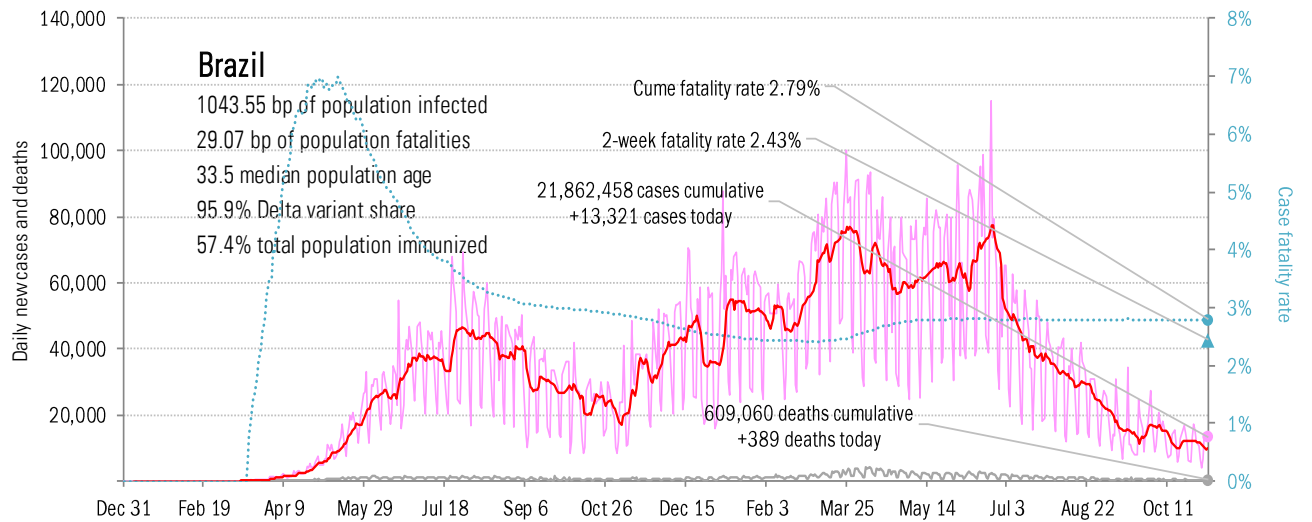
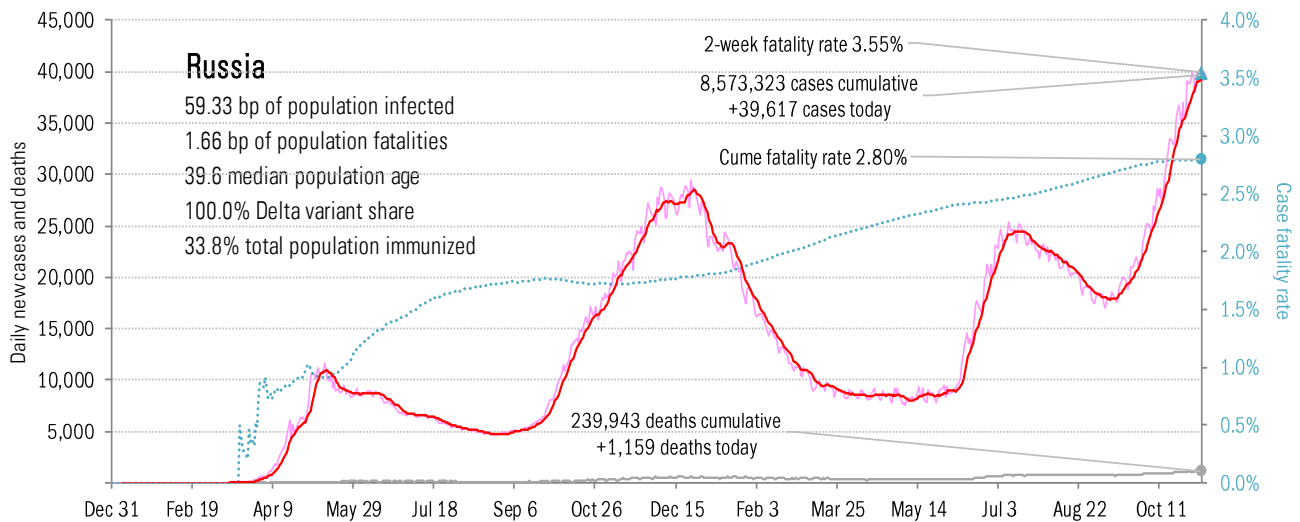
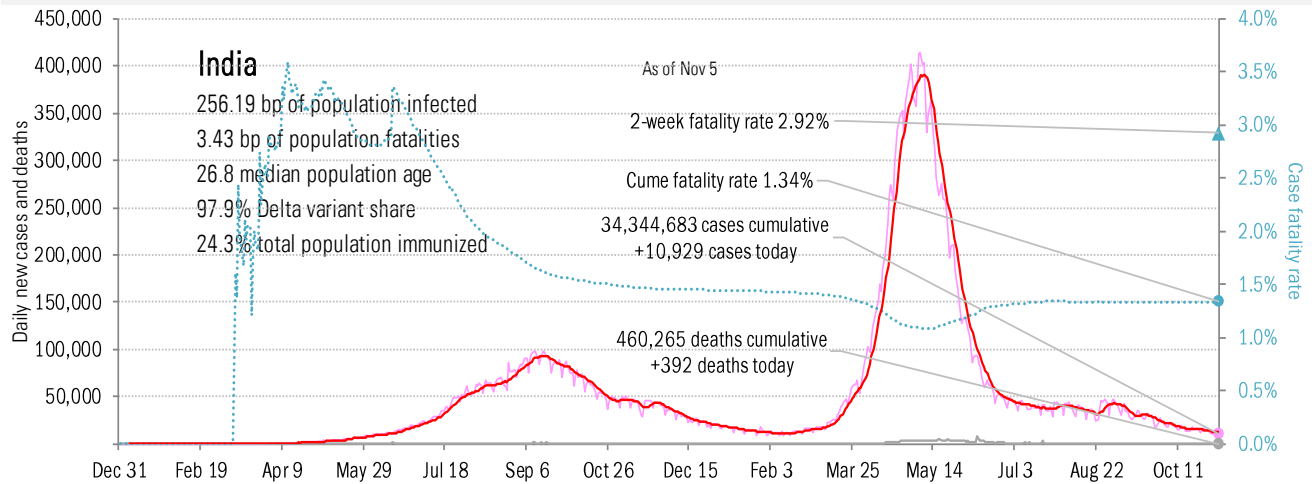
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

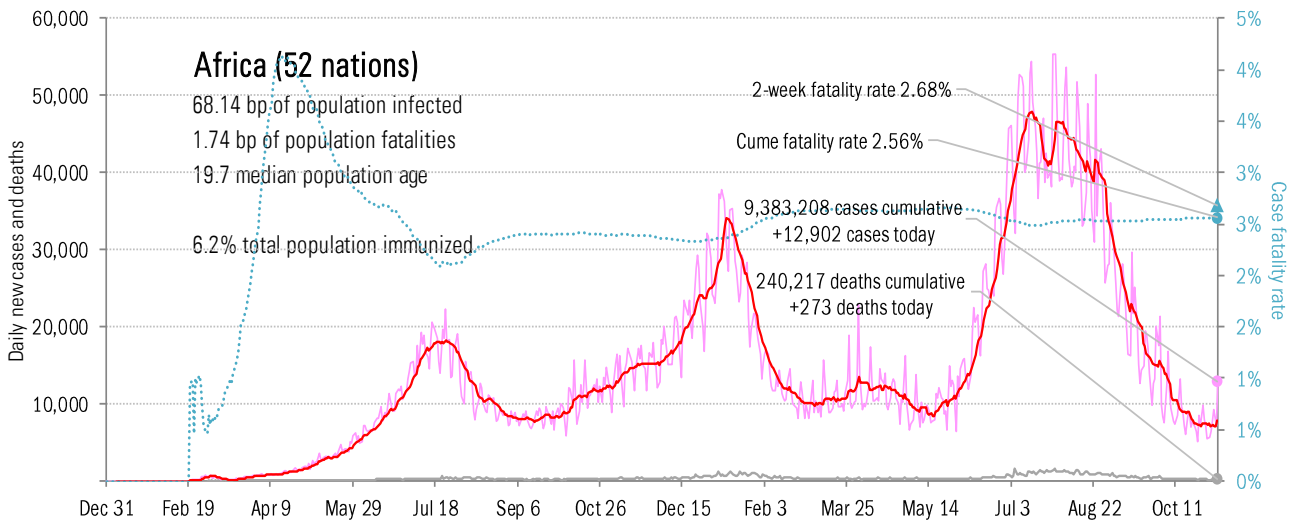
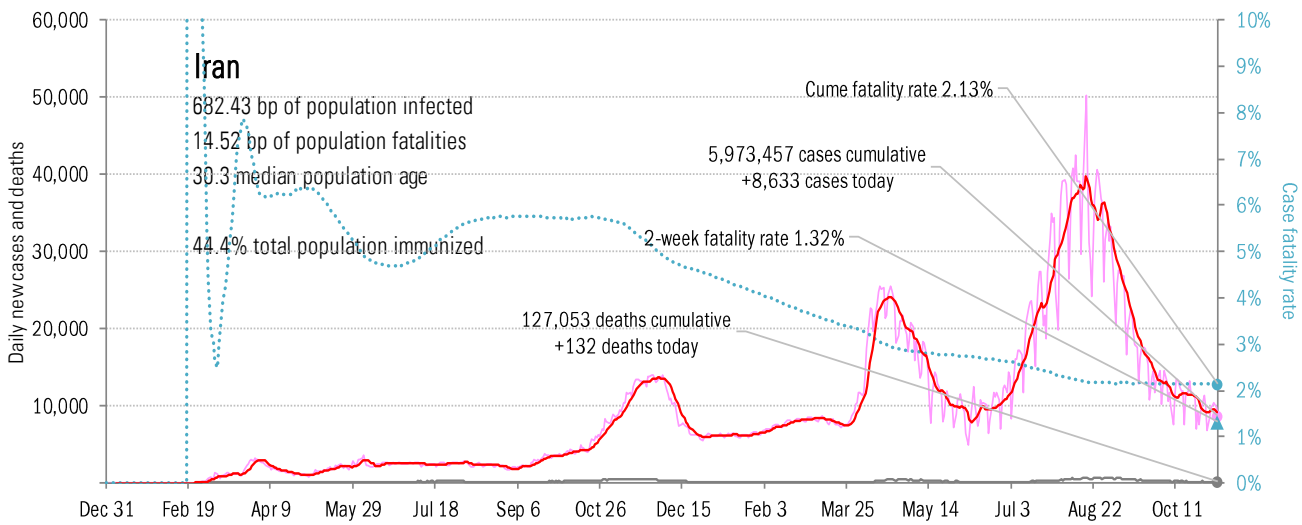
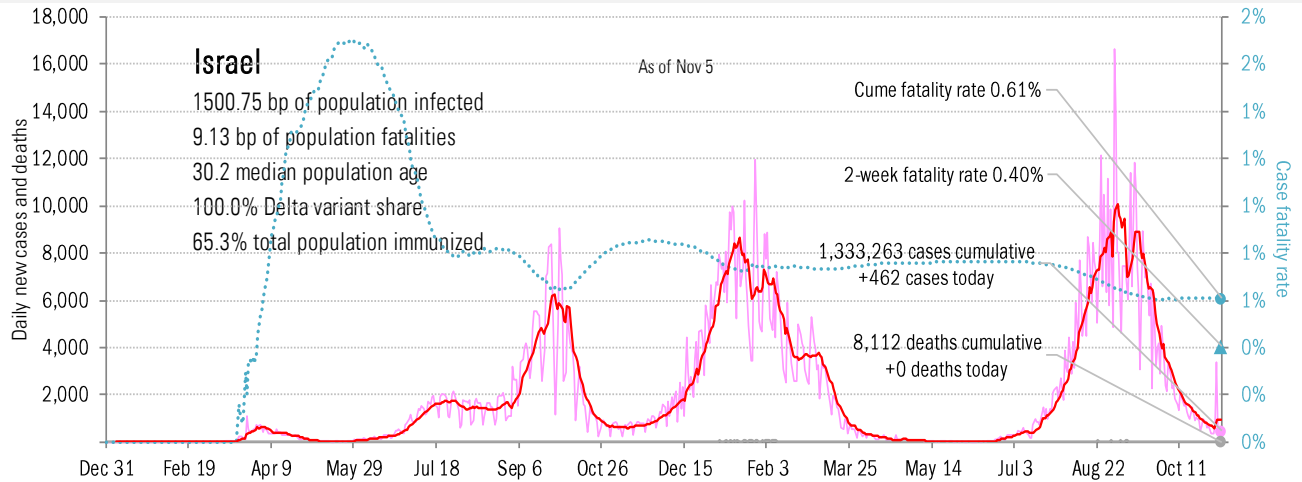
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

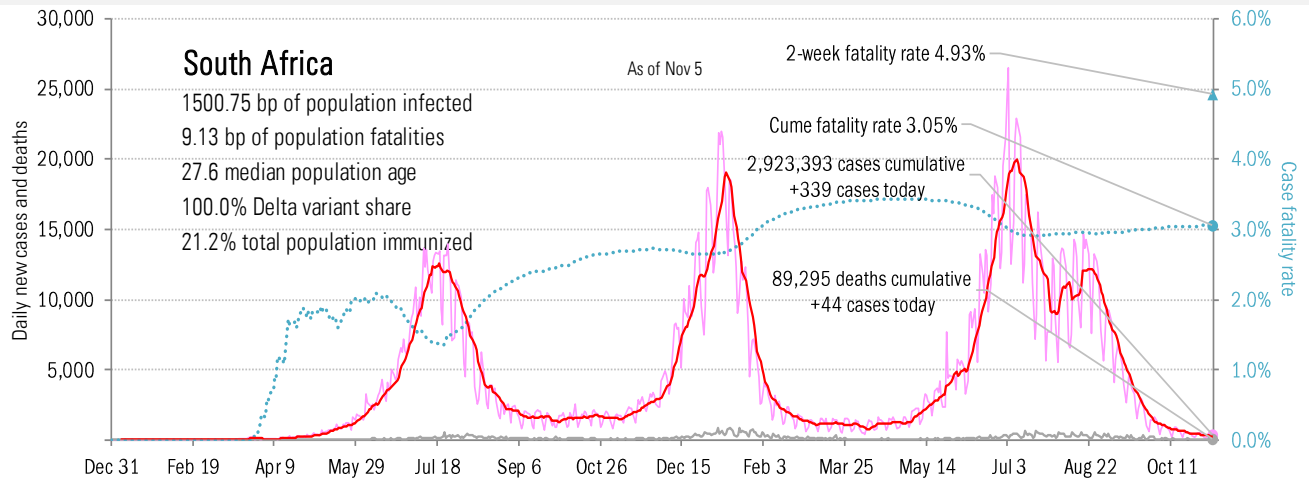
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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