

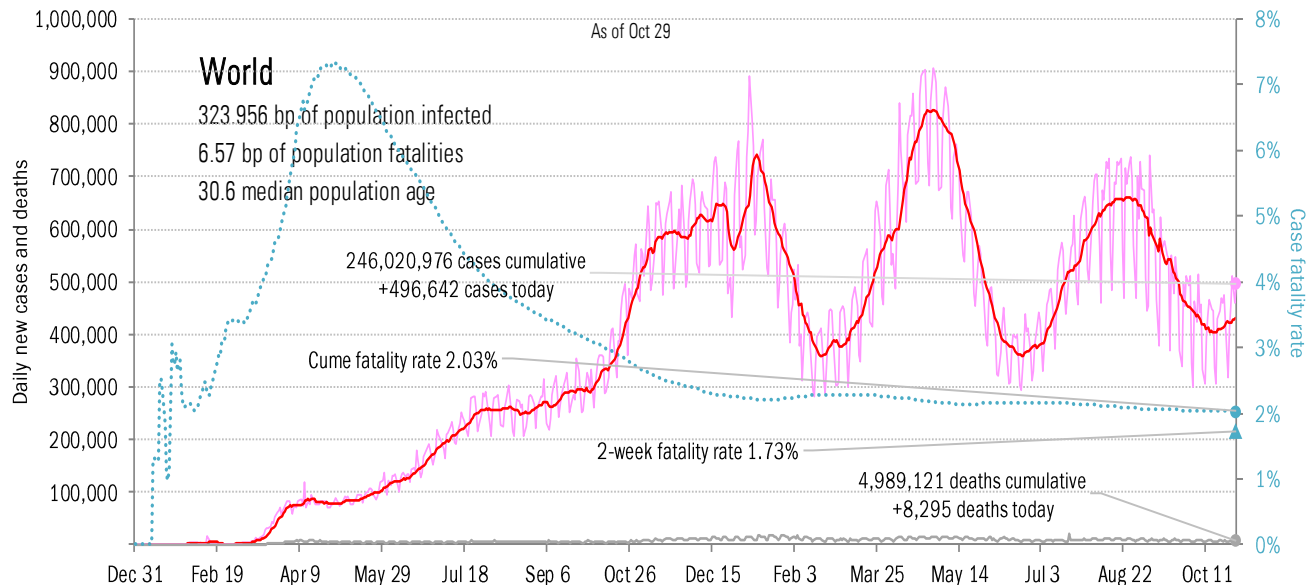
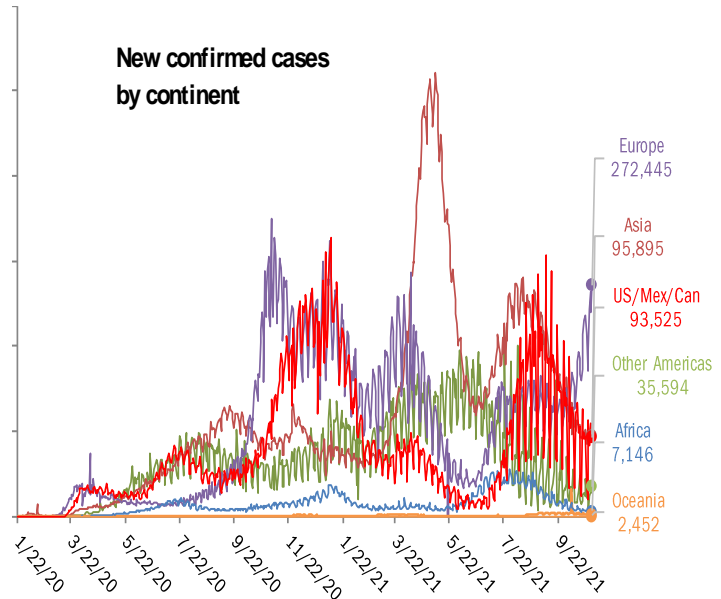
Data Insights: Covid-2019 Monitor

Saturday, October 30, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+86,946	United States	+1,968
United Kingdom	+43,258	Russia	+1,145
Russia	+38,805	Ukraine	+666
Germany	+37,520	India	+549
Ukraine	+27,914	Romania	+481
Turkey	+24,409	Brazil	+394
India	+14,313	Mexico	+320
Romania	+12,474	Philippines	+273
Brazil	+11,965	Turkey	+209
Philippines	+11,094	United Kingdom	+187
+308,698		+6,192	
World +496,642		World +8,295	
Top ten 62%		Top ten 75%	



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

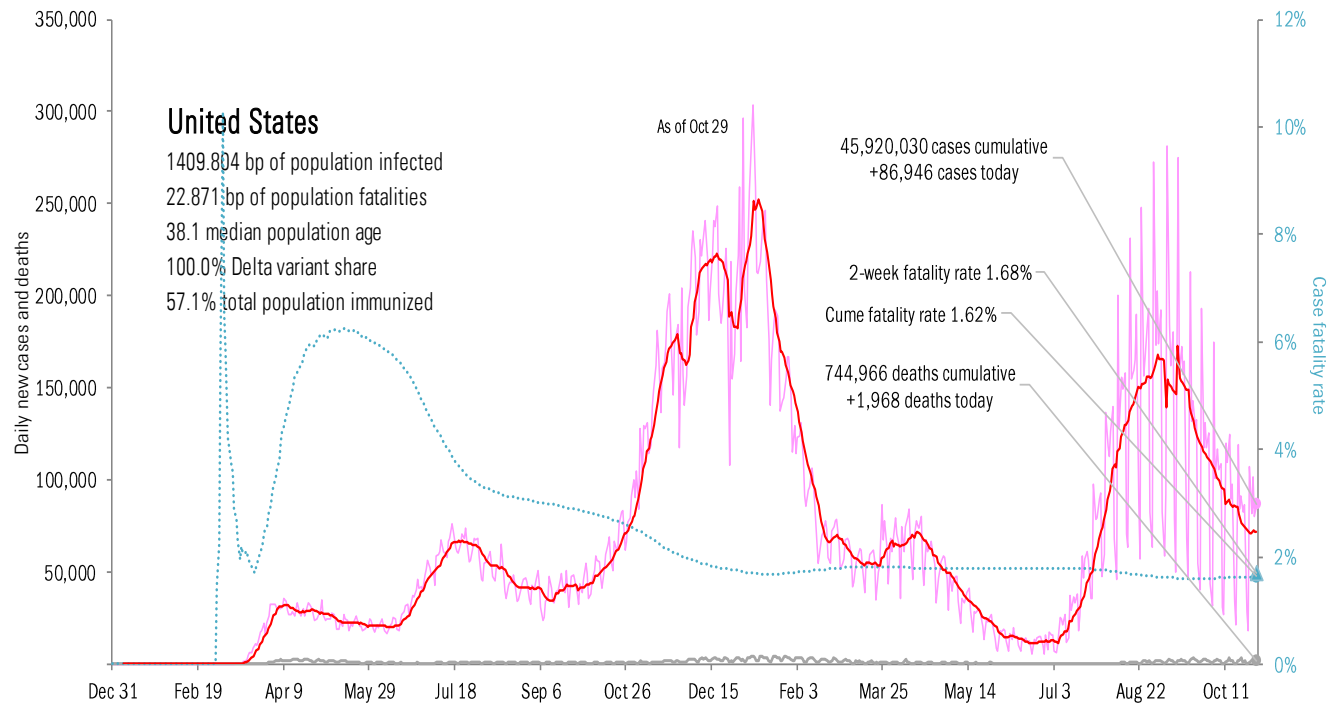
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	+9,722		OH	+363		GA	+98		CA	4,913,324		CA	71,952		TX	373,889		MA	88%	NM	95%
CA	+6,582		TX	+189		WA	+43		TX	4,234,996		TX	71,075		FL	317,892		RI	87%	ID	89%
NY	+5,581		MI	+136		MT	+36		FL	3,686,958		FL	59,259		CA	309,048		PA	85%	RI	88%
PA	+4,506		GA	+126		NE	+32		NY	2,553,446		NY	56,410		NY	163,154		MN	83%	NH	87%
TX	+3,855		FL	+124		AZ	+25		IL	1,695,524		PA	31,377		GA	159,330		MI	83%	NE	86%
AZ	+3,691		CA	+104		CA	+23		GA	1,634,093		GA	29,065		CH	122,531		MD	83%	KY	86%
CH	+3,485		PA	+85		CO	+22		PA	1,557,459		IL	28,204		PA	115,919		NY	83%	TX	86%
MN	+3,317		NC	+73		IL	+22		CH	1,539,490		NJ	27,961		KY	110,893		WA	83%	AL	86%
CO	+3,295		KS	+70		WV	+14		NC	1,477,514		CH	24,527		IL	104,380		MO	82%	NV	85%
MA	+2,823		AZ	+63		NH	+13		TN	1,280,265		MI	23,662		MI	90,626		GA	82%	VT	85%
+46,857			+1,333			+328			24,573,069			423,492			1,867,662						
All states	+86,946		+1,968			-185			All states	45,920,030		744,966			3,336,361			All states	70%	67%	
Top ten	54%		68%			-177%			Top ten	53%		57%			56%			Median	78%	79%	

Some states not reporting

Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
FL -4,825	FL -79	PA -53	IL +580 bp
TX -2,505	WV -46	CH -37	DC +20 bp
AL -1,765	NV -31	MS -31	MS +20 bp
CA -1,702	MN -25	NJ -30	AK +10 bp
NE -866	IL -20	NM -25	AL +10 bp

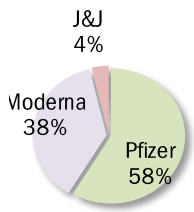


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	430,770,548	+1.259 million	US	57.1%	65.8%
Boosters	16,969,510	+1.281 million	UK	66.9%	73.1%
	One dose	% Pop	Immune	% pop	New immune today
Total population	226,522,817	68%	197,005,818	59%	+0.760 million
Age 12 to 17	14,146,917	59%	11,853,658	50%	+0.073 million
Age 18 to 64	156,537,505	77%	136,029,191	67%	+0.538 million
Age 65 and over	54,730,193	100%	48,204,885	88%	+0.146 million

France	67.9%	75.7%
Spain	79.8%	81.3%
Germany	66.1%	68.8%
Italy	71.3%	77.2%
Australia	63.5%	74.2%
Israel	65.1%	70.9%
Canada	74.1%	78.3%
Japan	71.5%	77.5%
Africa	5.7%	8.7%
India	23.2%	52.3%
Brazil	55.3%	74.4%
China	73.9%	76.2%



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

Every American >18 immunized in **52 days** by Dec 20, 2021
 71.3% of population >18 immunized
 16.4% previously tested positive
87.7% vs 60% adult herd immunity

Global data differs due to sources, timing

AK	59.3%
	52.6%

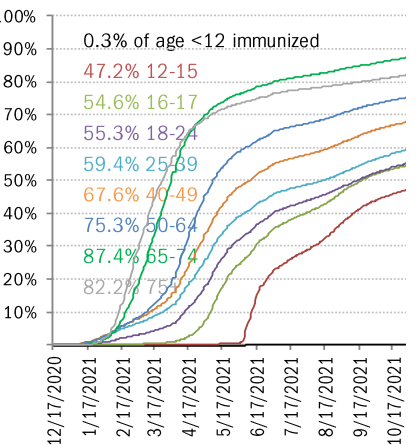
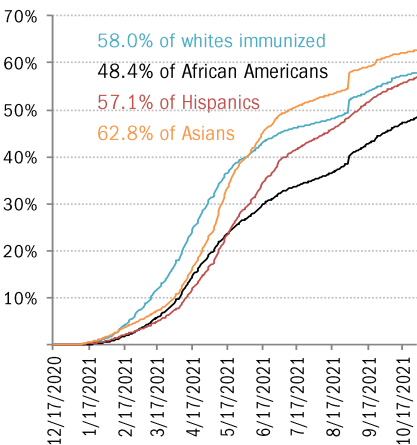
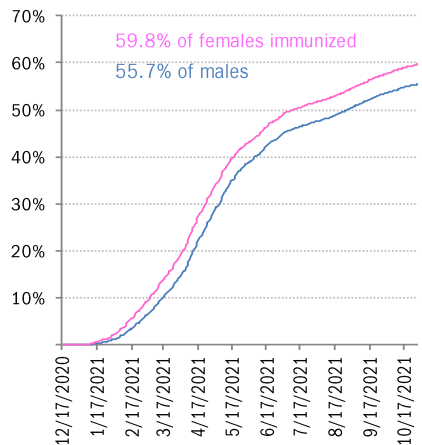
WI	62.6%
	58.2%

As of Oct 29

ME	76.5%
	70.5%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
69.3%	48.9%	56.8%	53.1%	65.1%	65.3%	58.1%	74.1%	79.5%	75.7%	
63.4%	43.8%	50.4%	45.8%	59.8%	60.2%	53.4%	66.5%	71.1%	62.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
68.3%	63.2%	50.8%	61.9%	59.5%	53.6%	55.7%	77.5%	74.9%	80.0%	
62.8%	52.8%	43.9%	52.5%	55.5%	49.8%	51.8%	60.4%	66.3%	69.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
74.4%	60.9%	67.5%	60.9%	56.7%	57.3%	48.9%	70.9%	72.8%	78.9%	77.9%
61.1%	53.3%	61.5%	56.2%	49.7%	50.5%	41.0%	63.0%	66.0%	70.6%	70.8%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	61.1%	72.0%	62.3%	57.9%	54.5%	64.0%	57.4%	74.3%	68.8%	
	53.0%	62.0%	53.1%	47.9%	47.6%	52.5%	49.9%	62.4%	59.7%	
			OK	LA	MS	AL	GA			
			59.3%	53.8%	52.0%	54.4%	56.7%			
			49.9%	47.6%	45.7%	44.7%	48.0%			
			TX							
			61.3%							
			53.3%							
								FL		PR
								69.0%		82.0%
								59.6%		73.4%

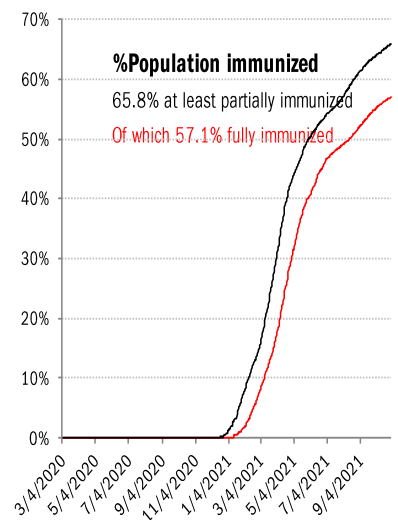
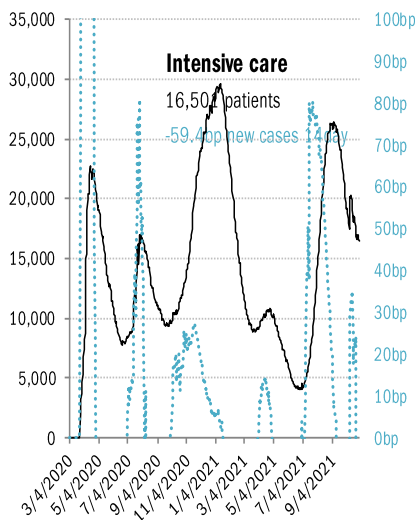
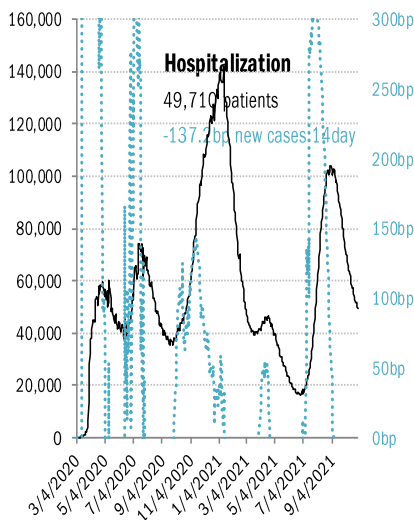
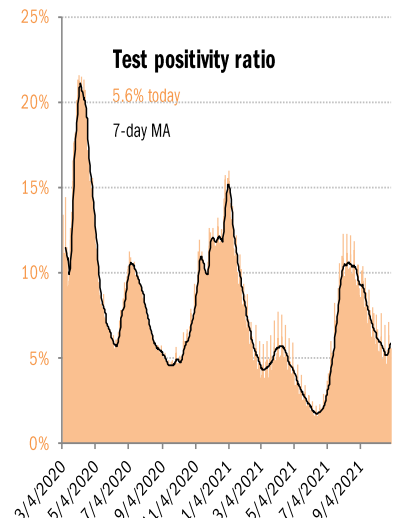
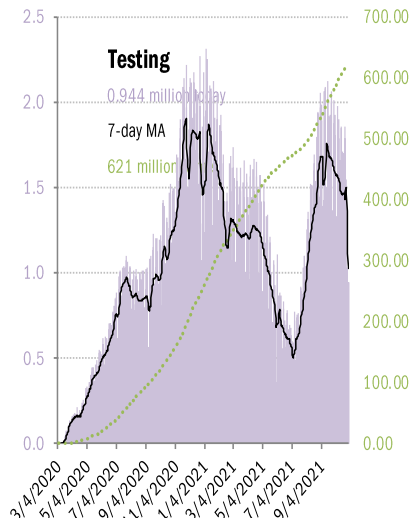
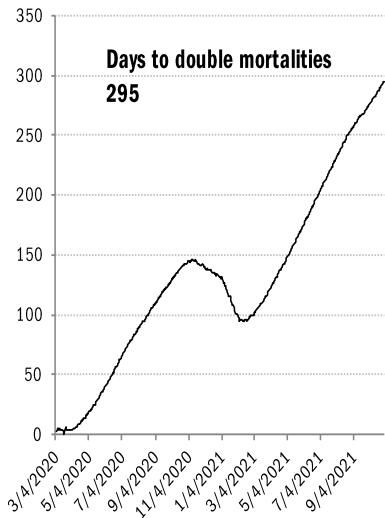
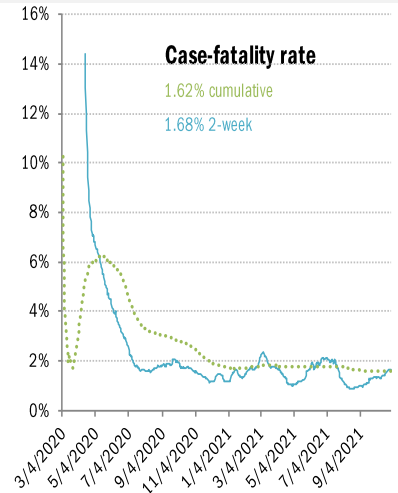
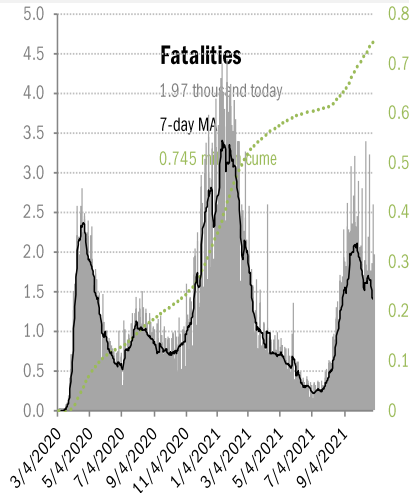
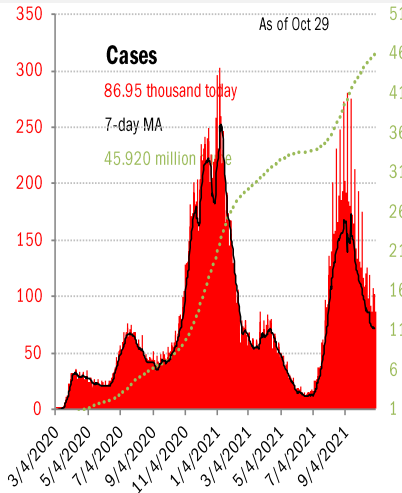
The demographics of US vaccination



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

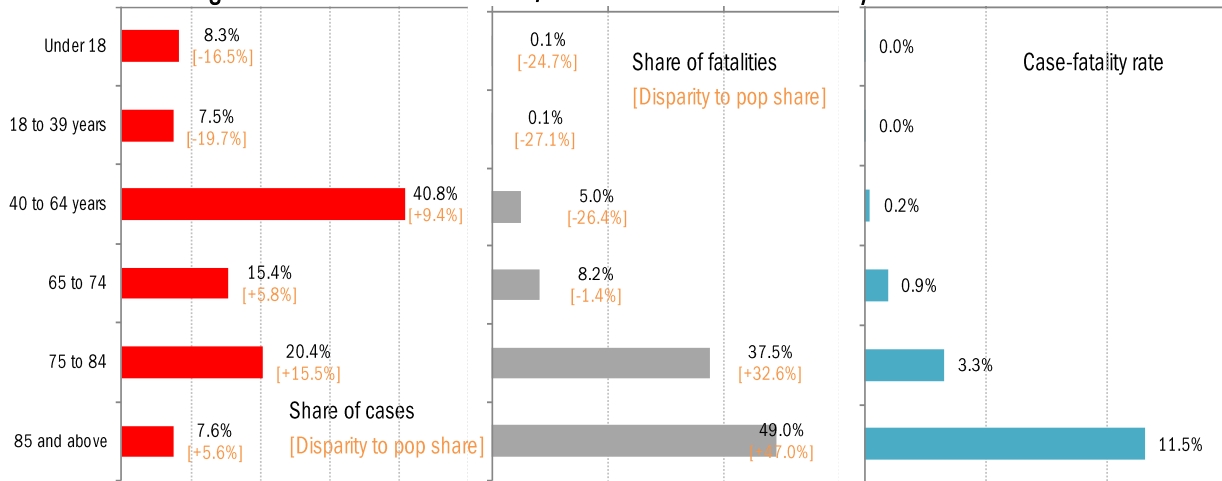
US deep-dive

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

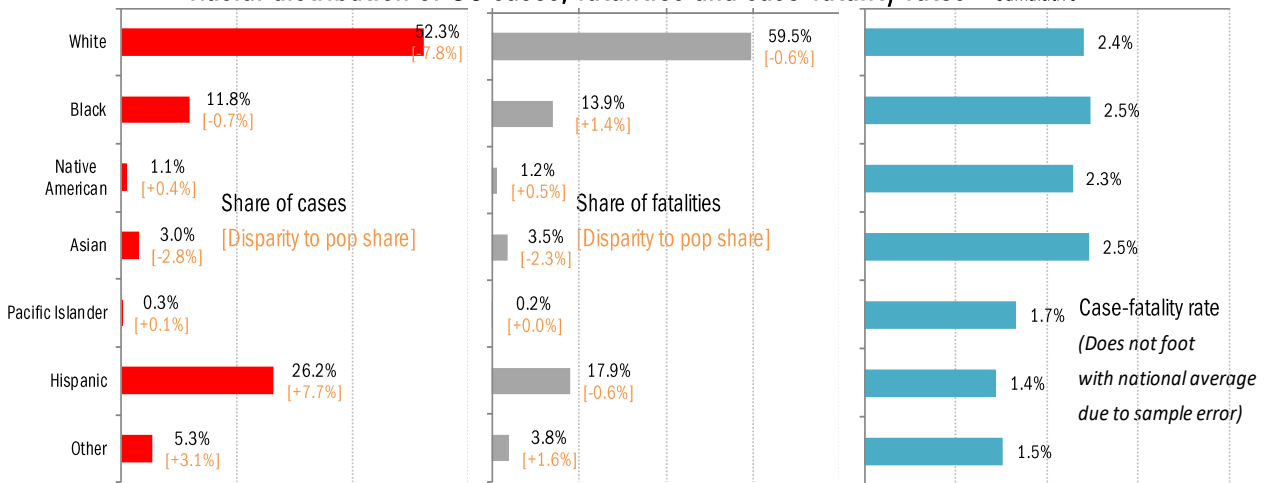


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

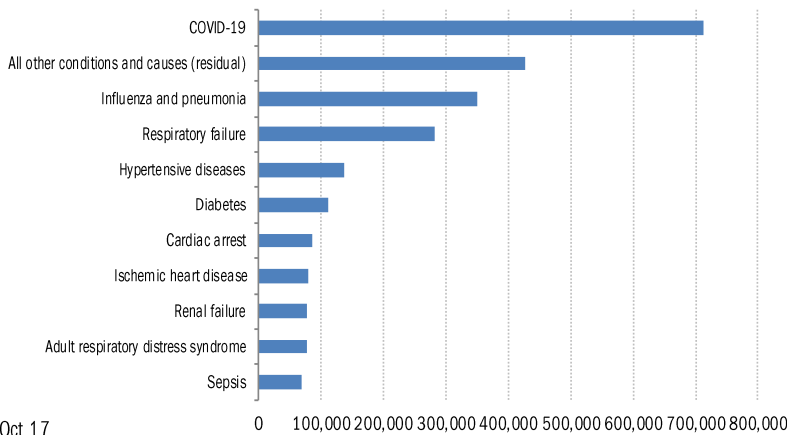


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Oct 17

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.

Recommended reading

[Ten Republican-led states sue over Biden's vaccination mandate for federal contractors.](#)

Todd Gregory
New York Times
October 29, 2021

[ESPN Forced Me Out Over Their Vaccine Mandate. Here's Why I Stood My Ground](#)

Allison Williams
Daily Wire
October 29, 2021

[Supreme Court Won't Block Maine's Vaccine Mandate for Health Care Workers](#)

Adam Liptak
New York Times
October 29, 2021

[The Week in COVID & Education Policy: Kids' Hospitalization Rates Plunge, FDA Endorses Pfizer Shot for Youngsters and More Key Updates](#)

John Bailey
The 74
October 29, 2021

[F.D.A. Clears First Coronavirus Vaccine for 5- to 11-Year-Olds](#)

Noah Weiland and Sharon LaFraniere
New York Times
October 29, 2021

[One Country's Struggle Against the New Segregation](#)

Tom Woods
Tom Woods Show
September 1, 2021

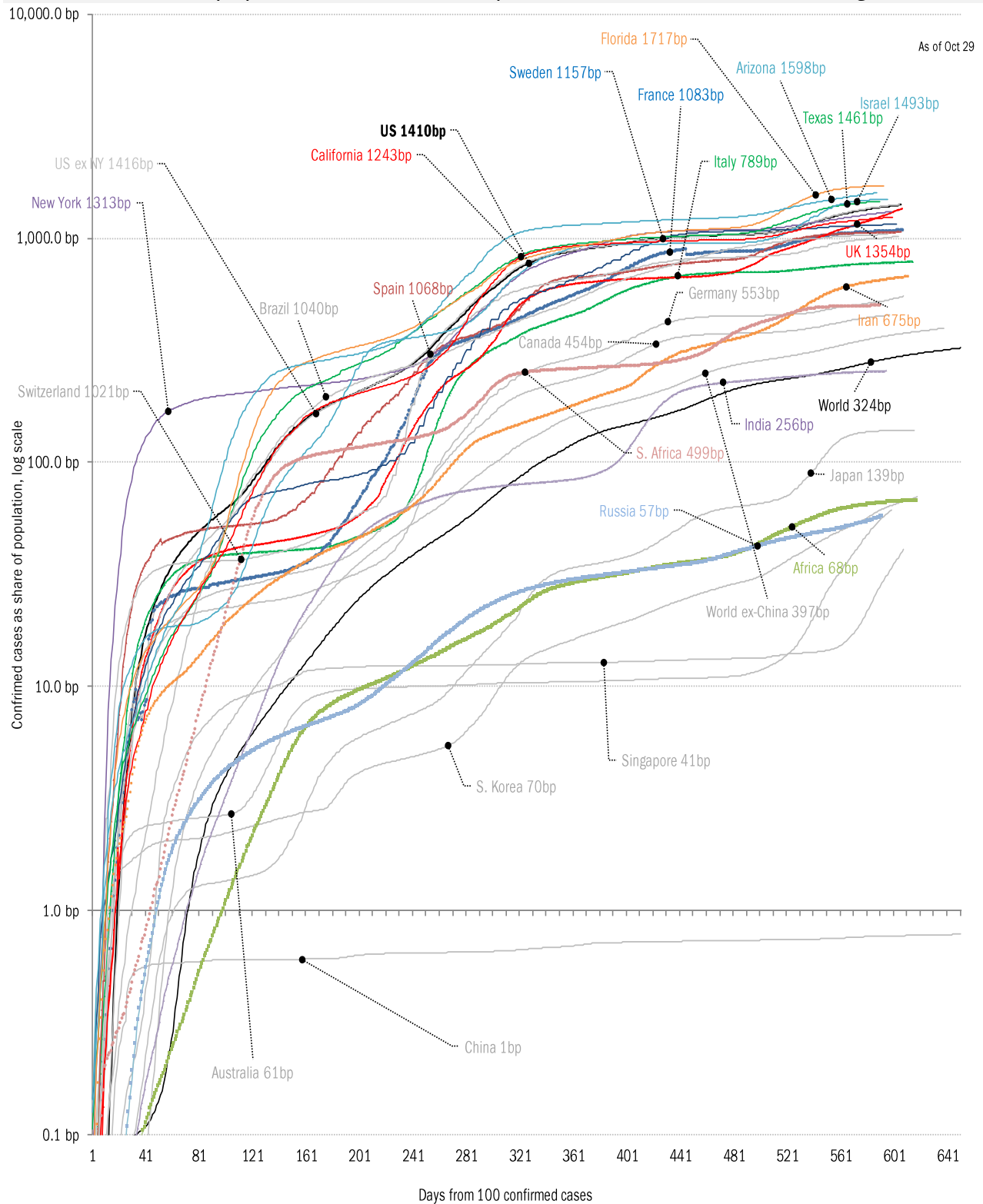
Meme of the day



Dr. Fauci Says Unvaccinated Kids Can Trick Or Treat But They Only Get Candy Corn

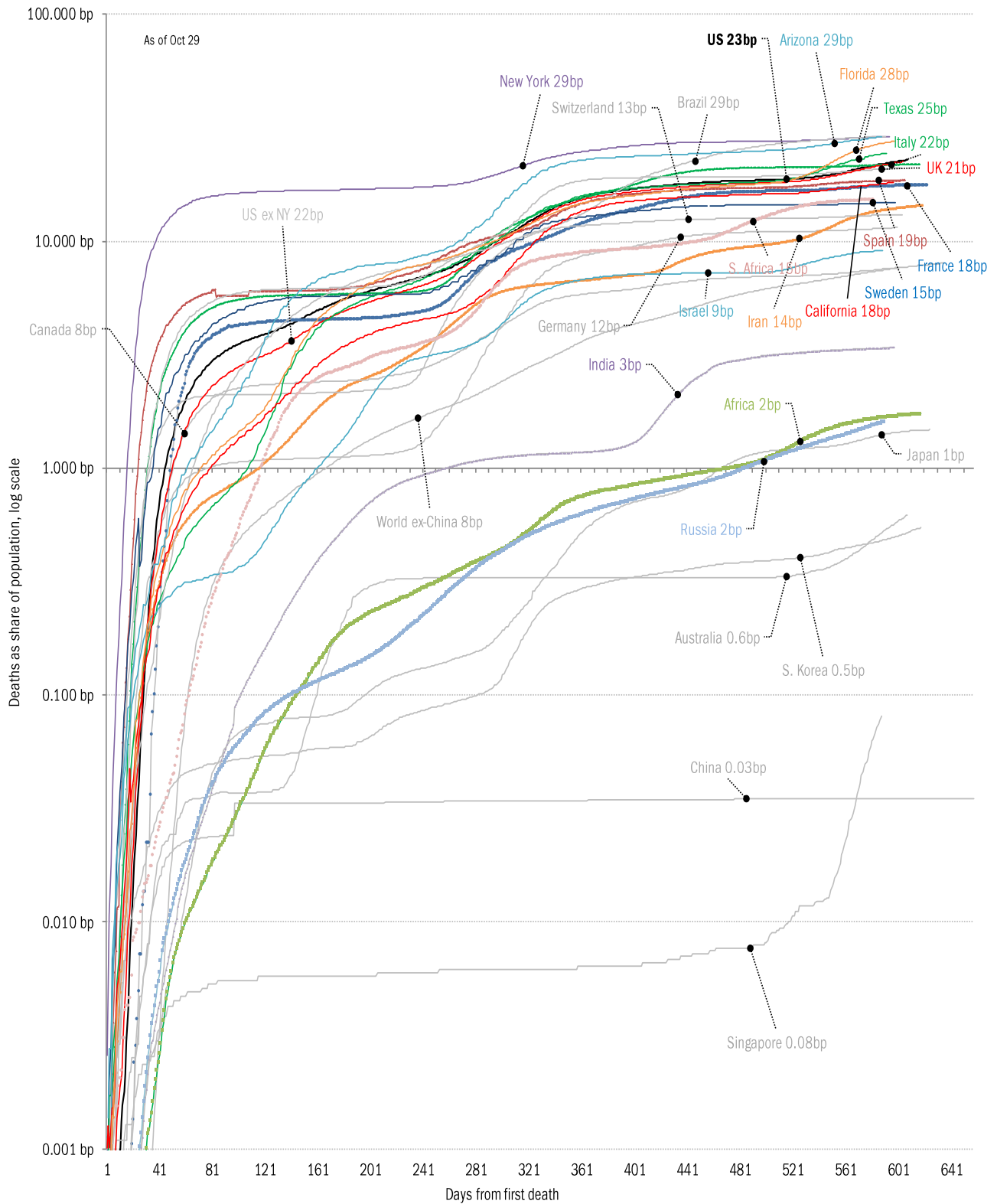
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

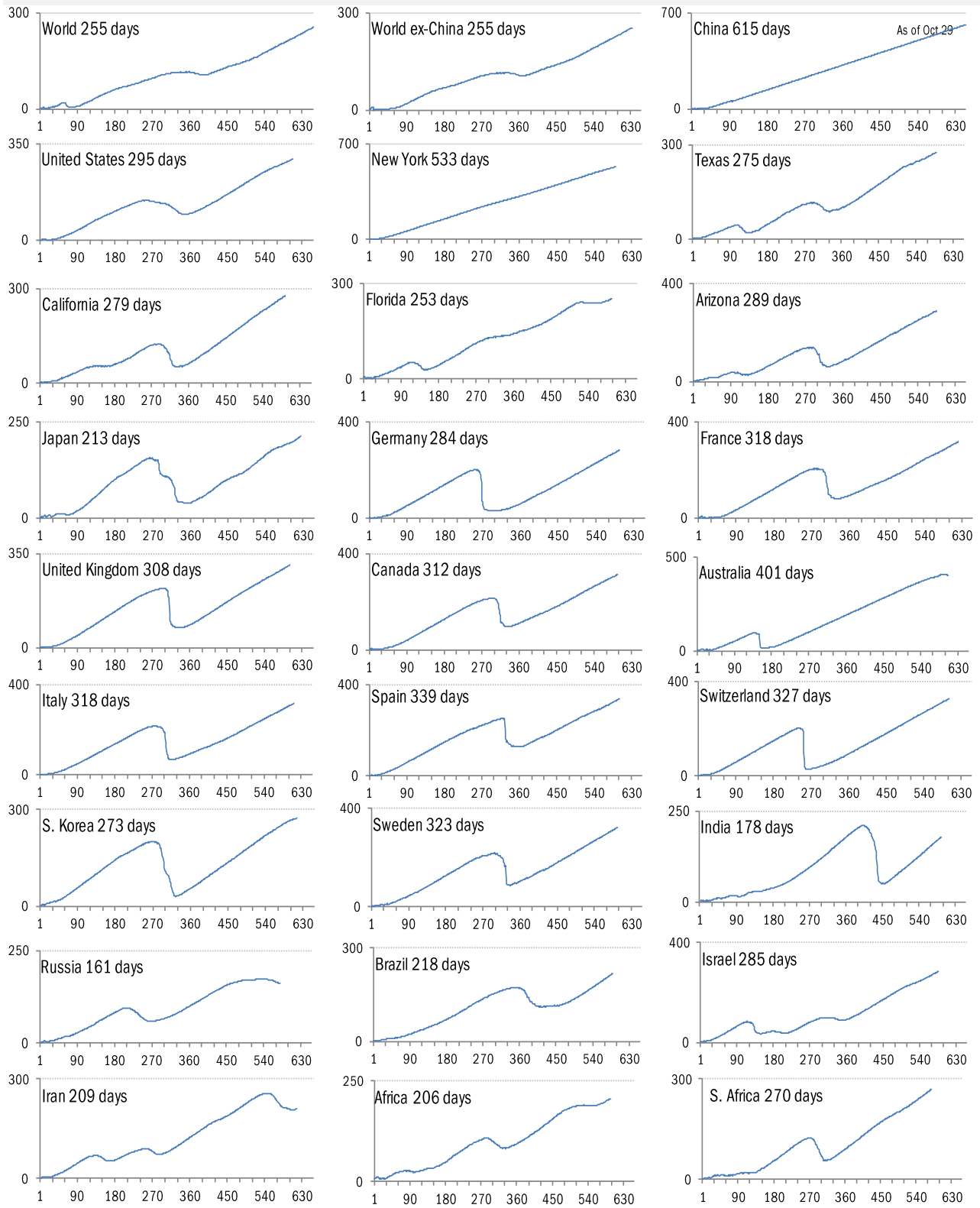


Source: [Johns Hopkins](#), TrendMacro calculations

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

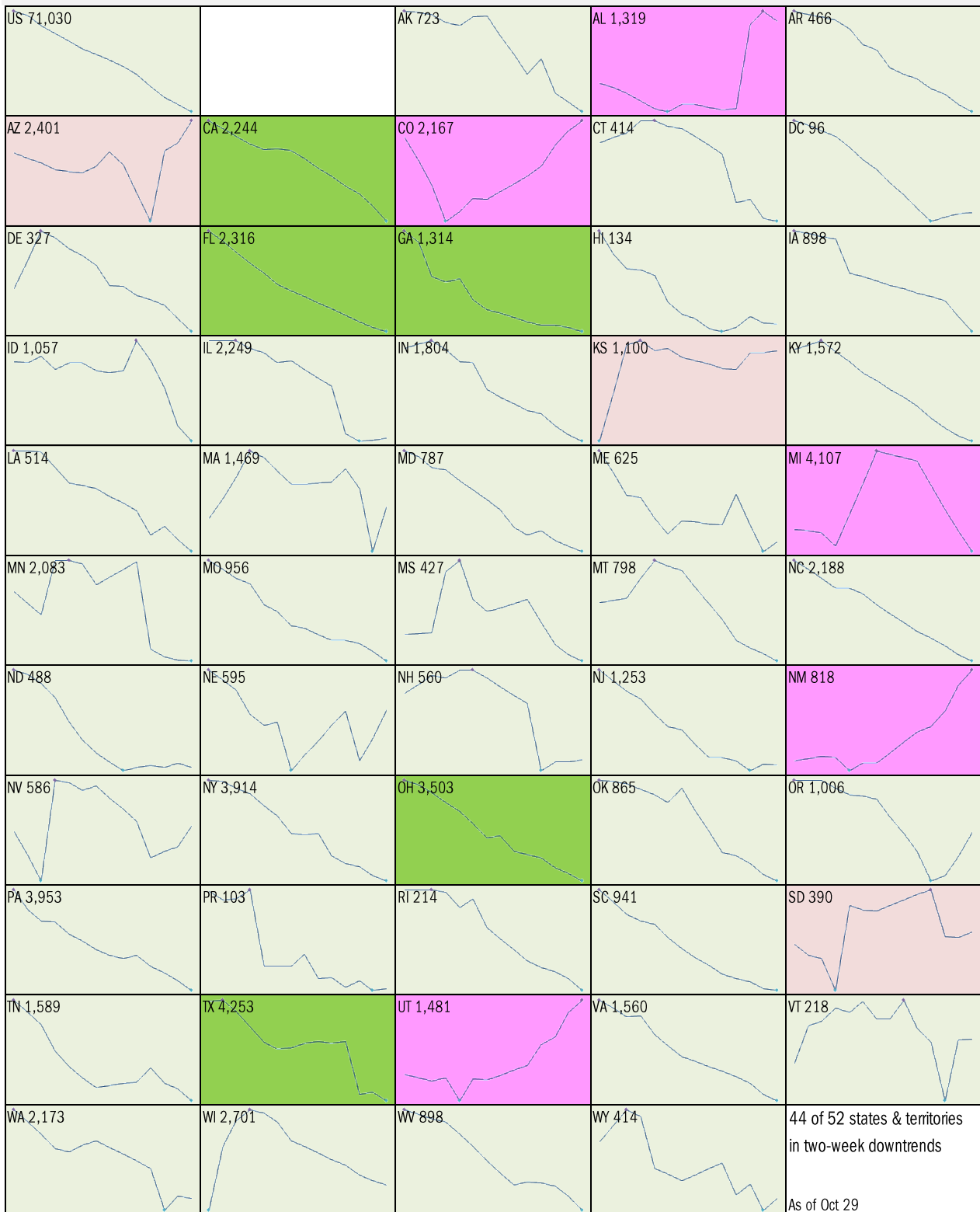
Vertical: days to double deaths Horizontal: days from first death

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

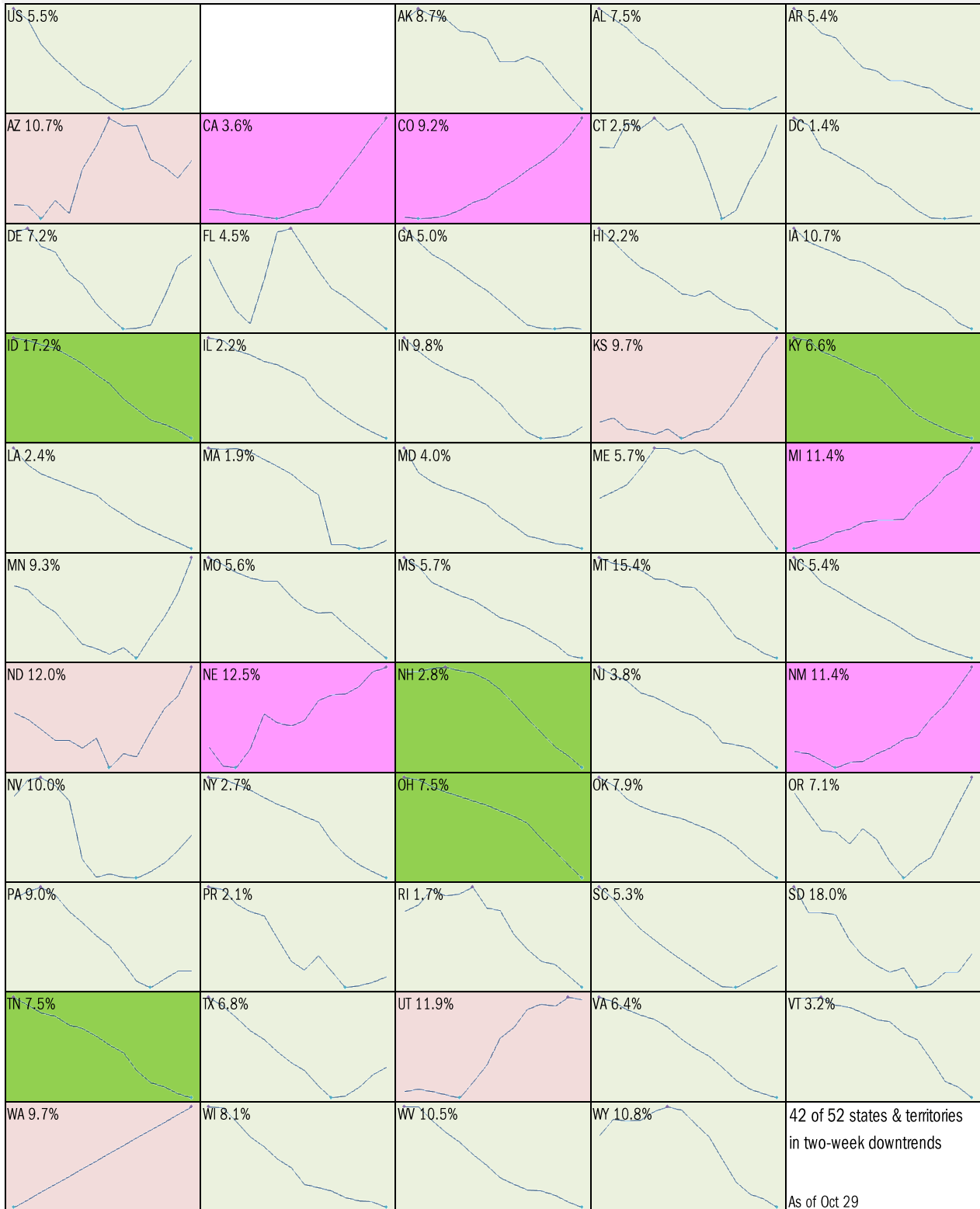


Source: [Johns Hopkins](#), TrendMacro calculations

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

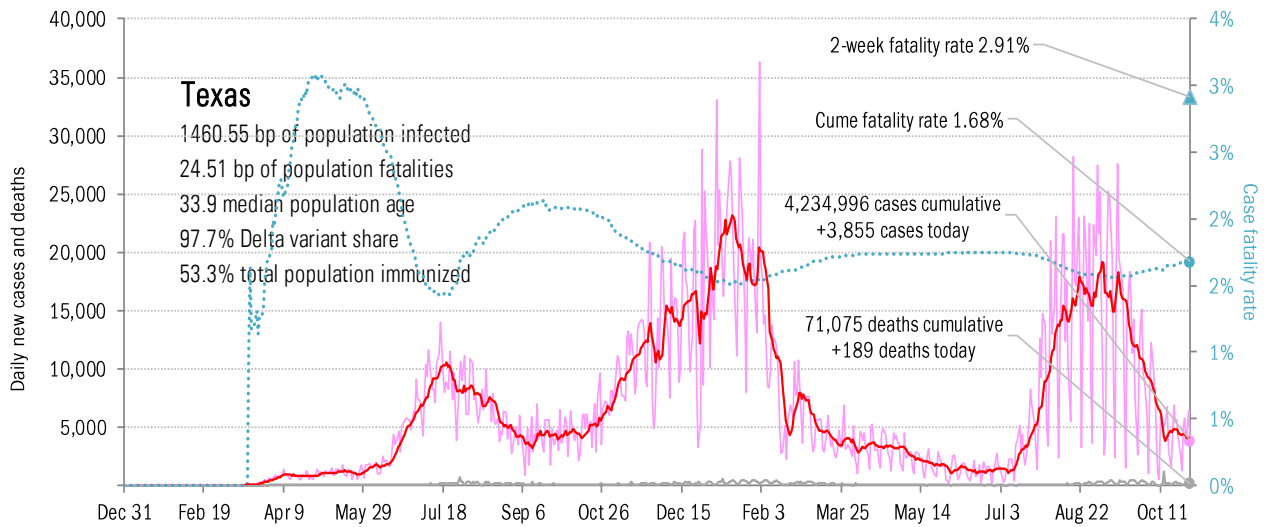
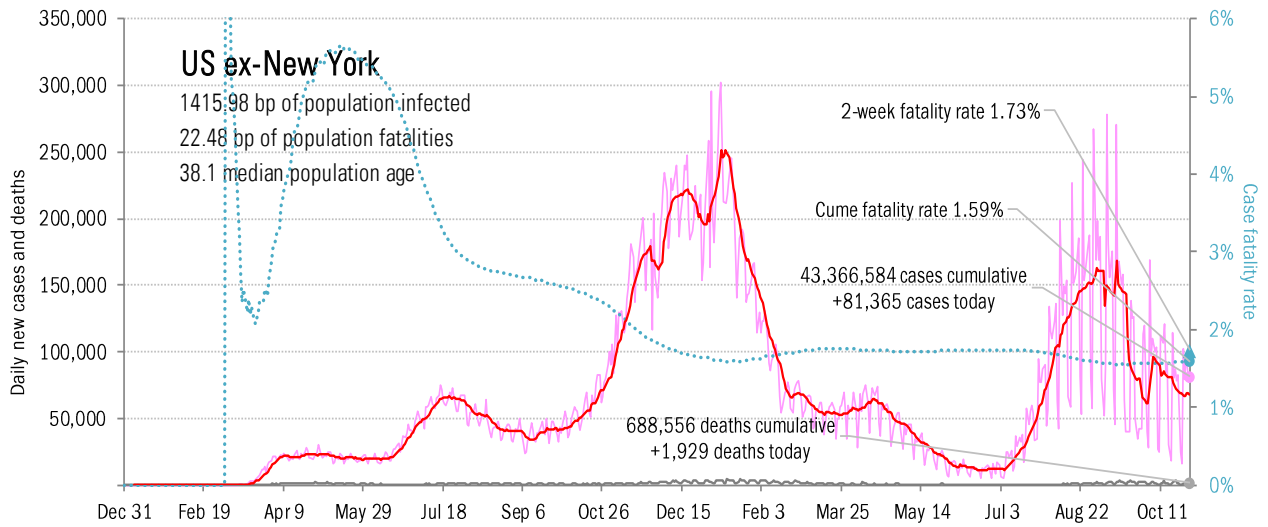
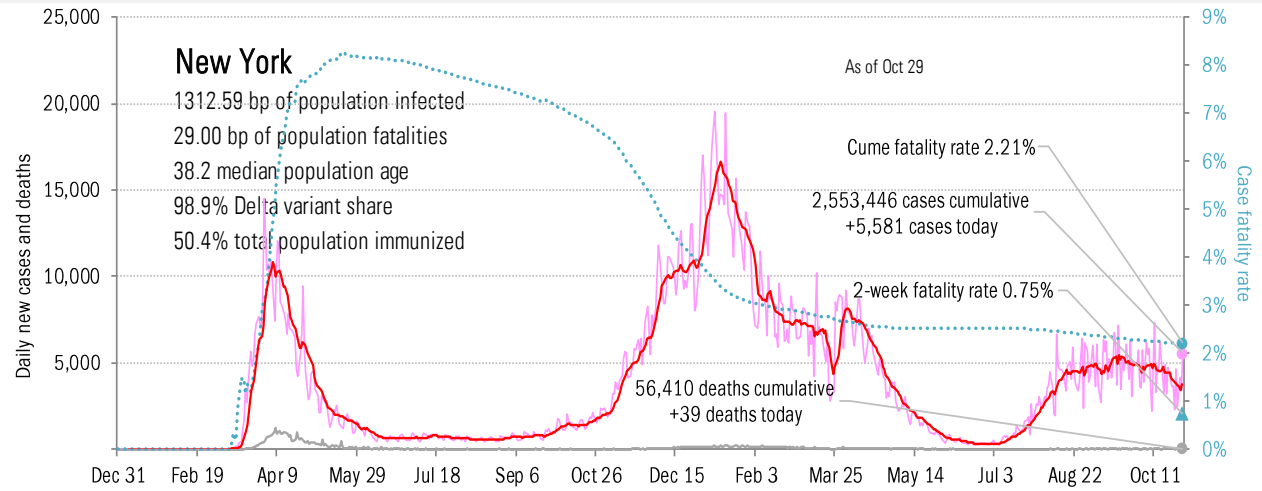
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

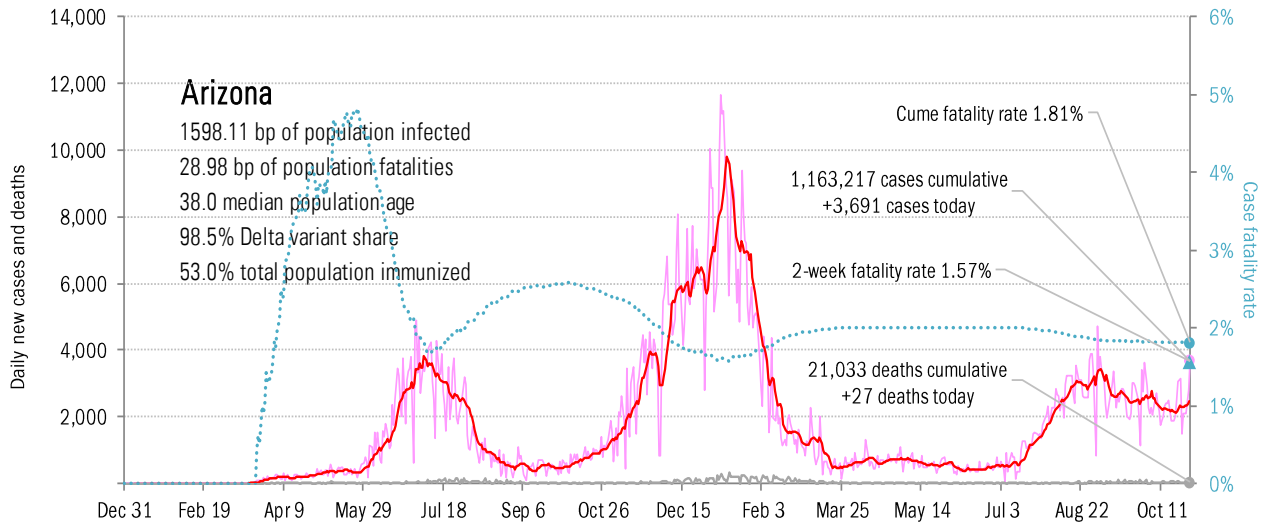
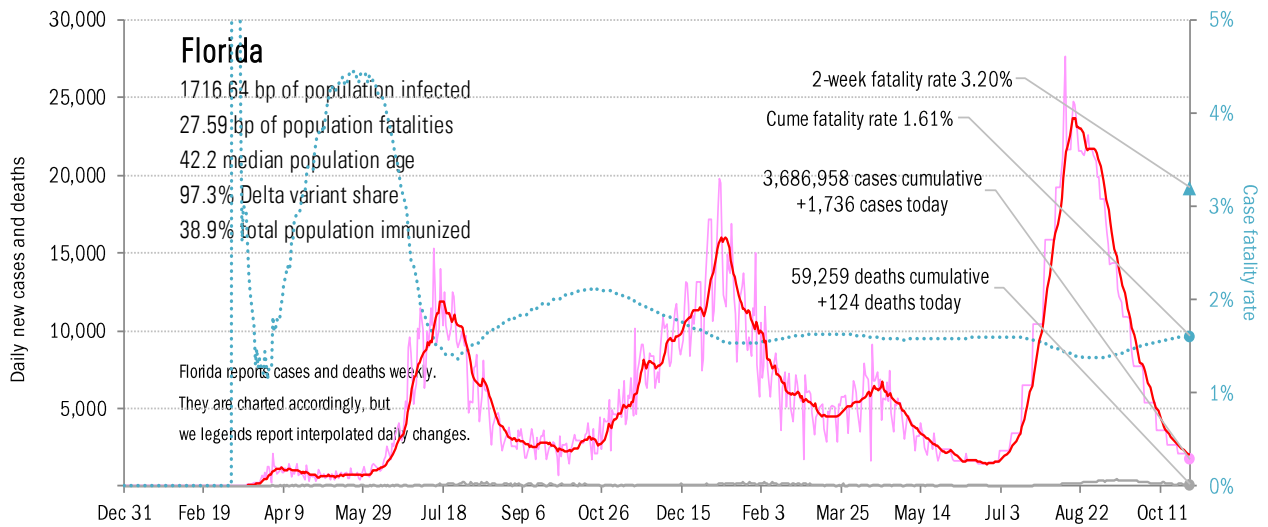
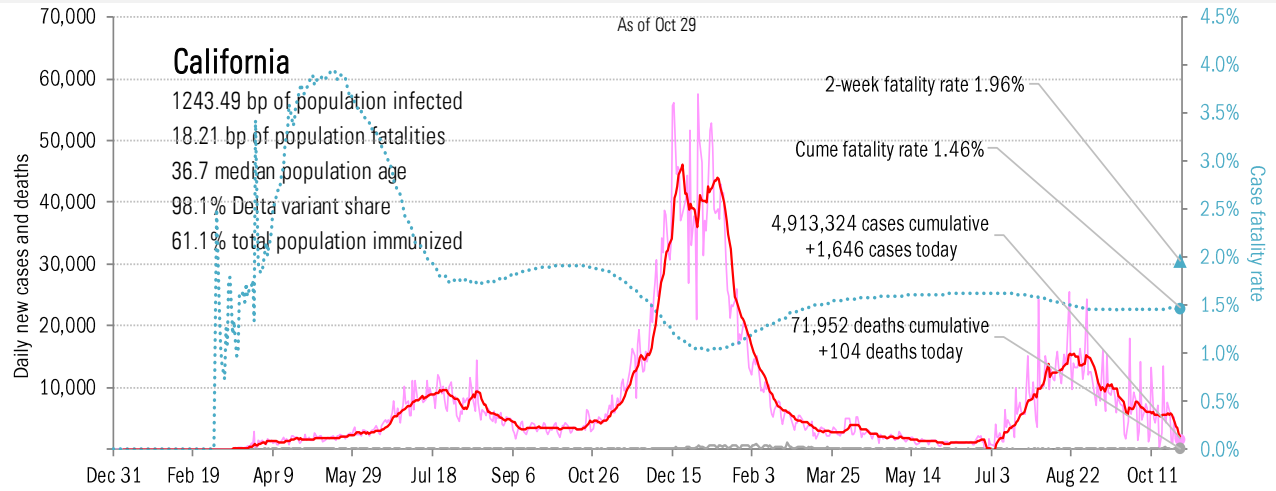
Cases: 7-day average and daily Deaths: Daily



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

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

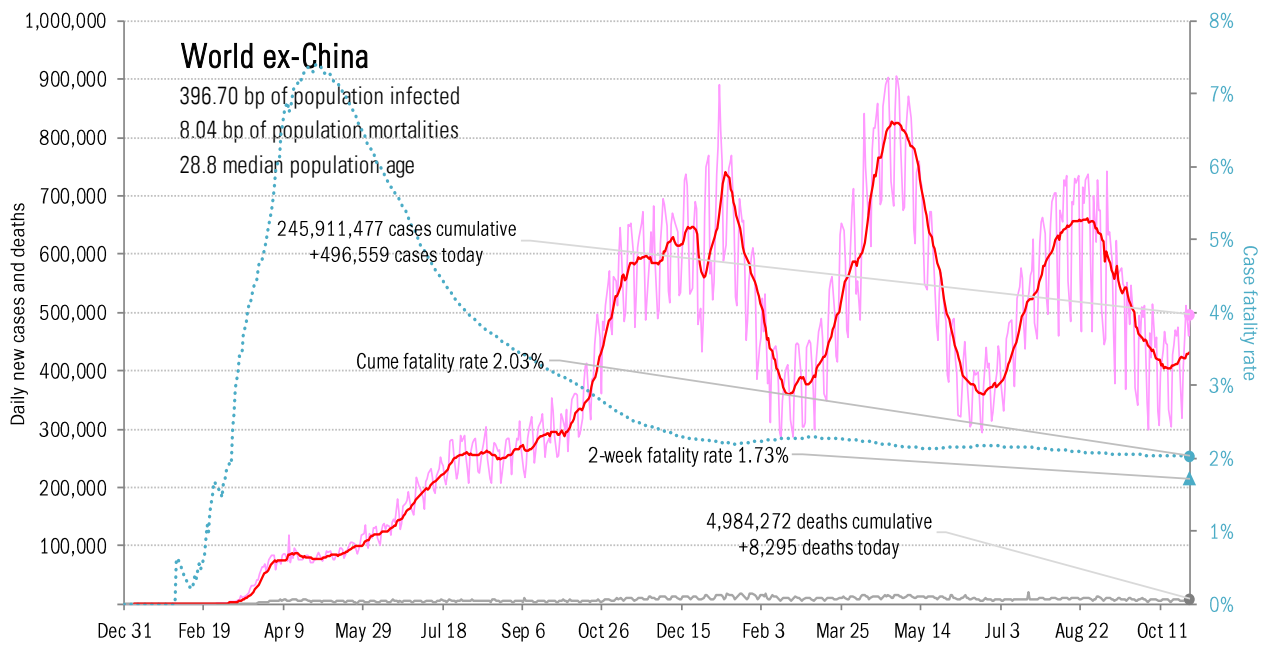
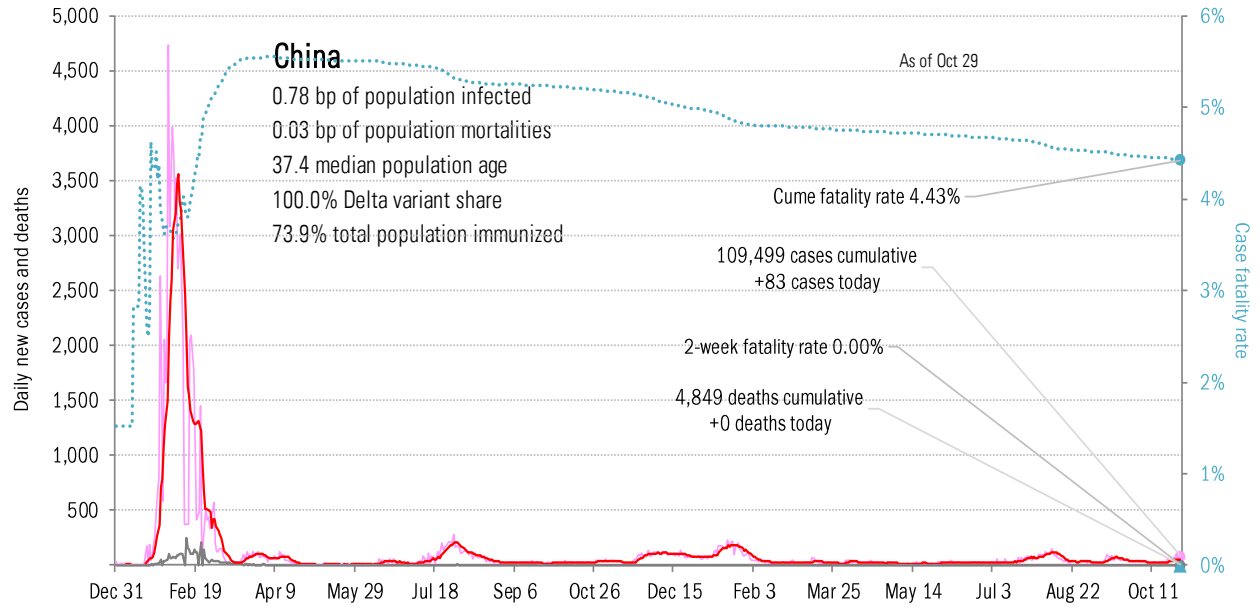
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

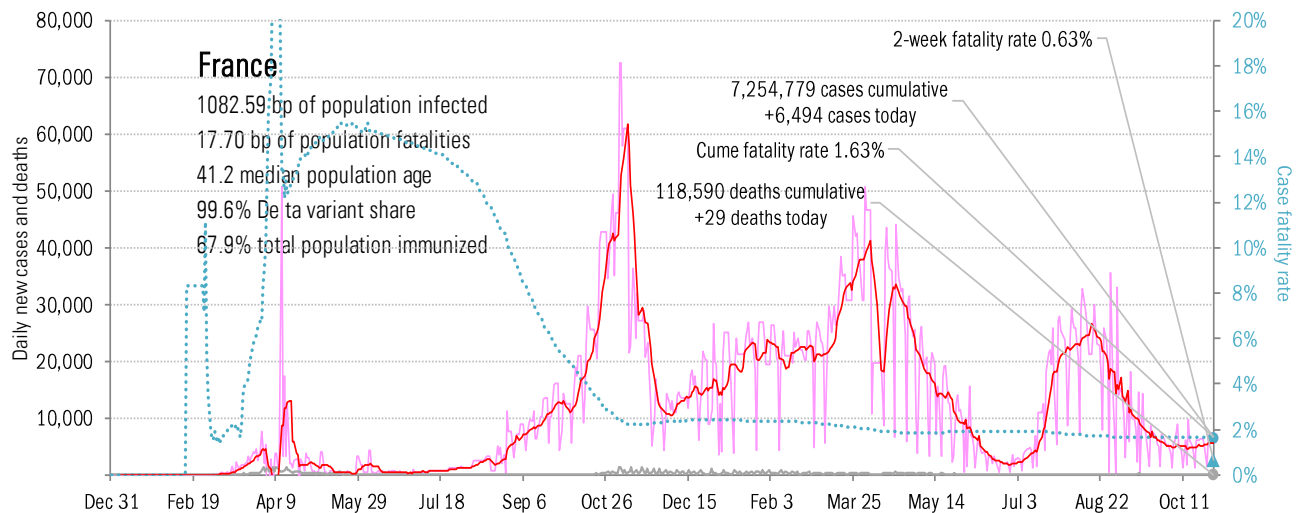
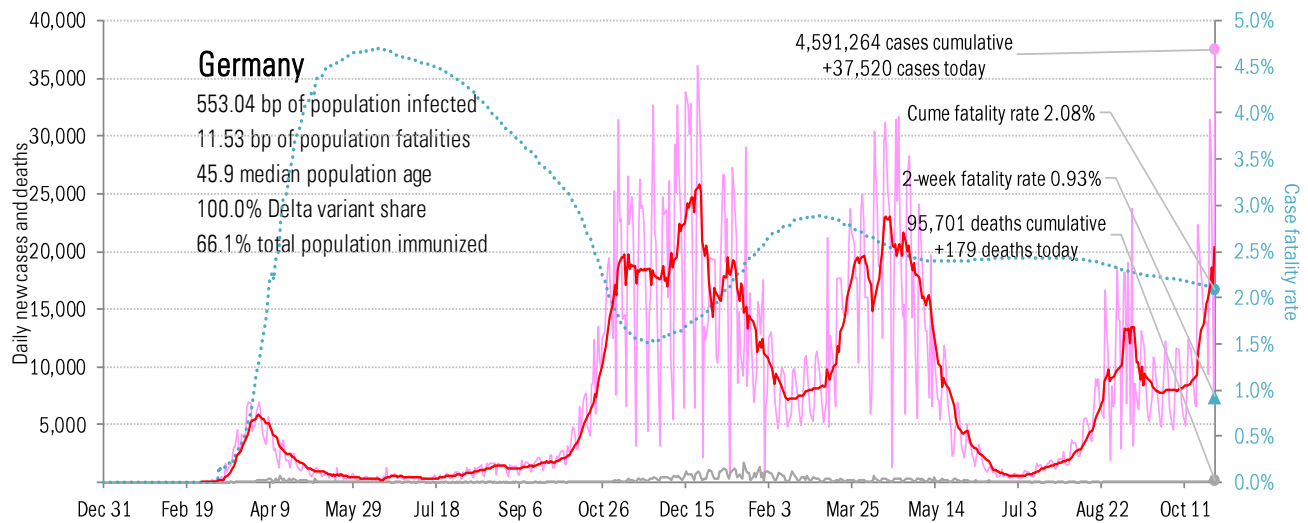
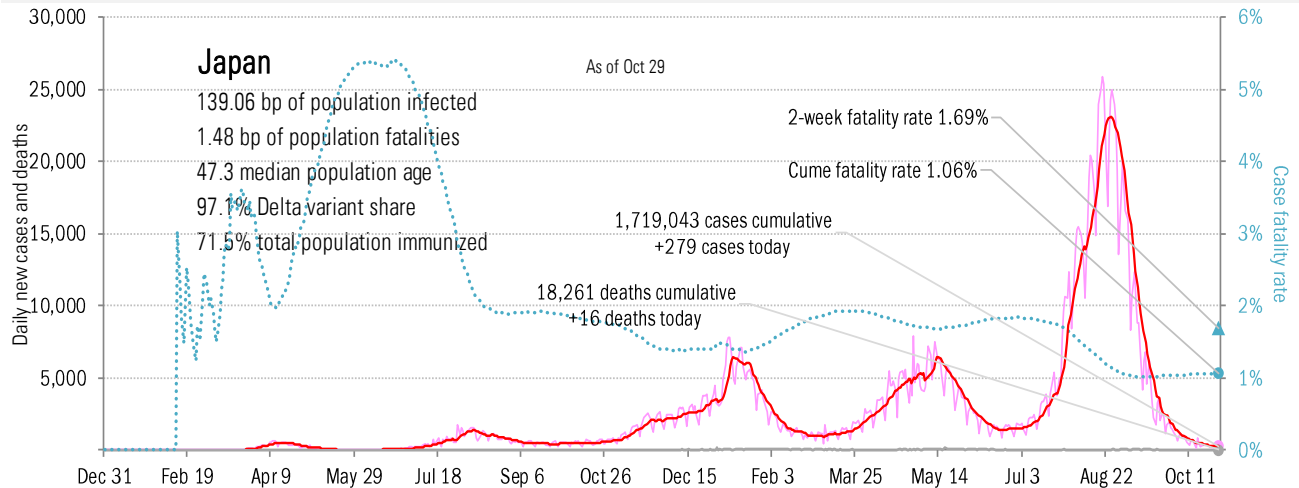
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

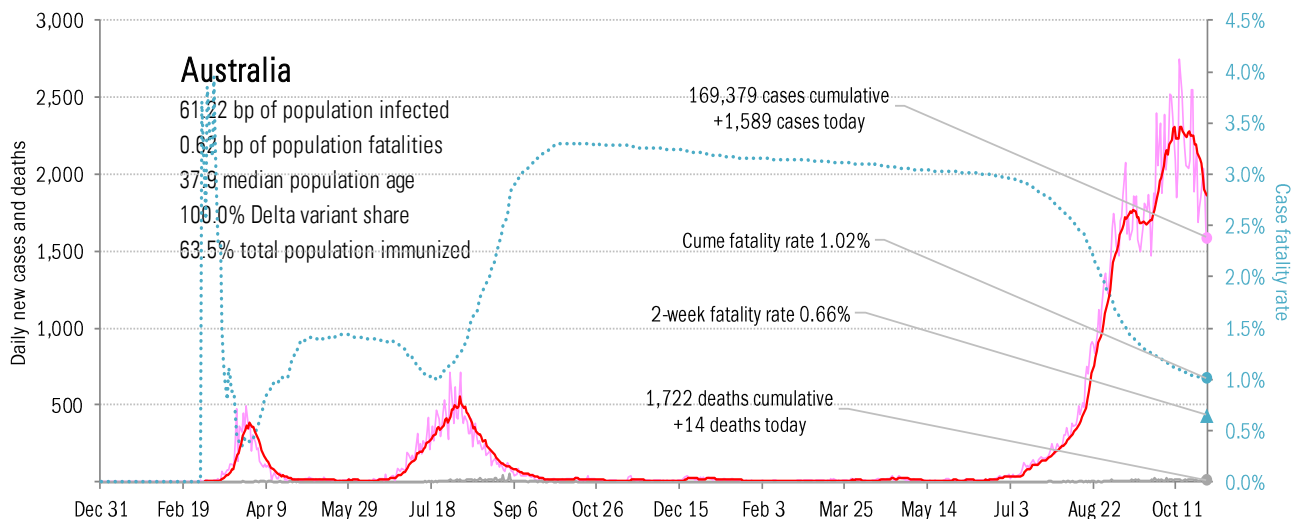
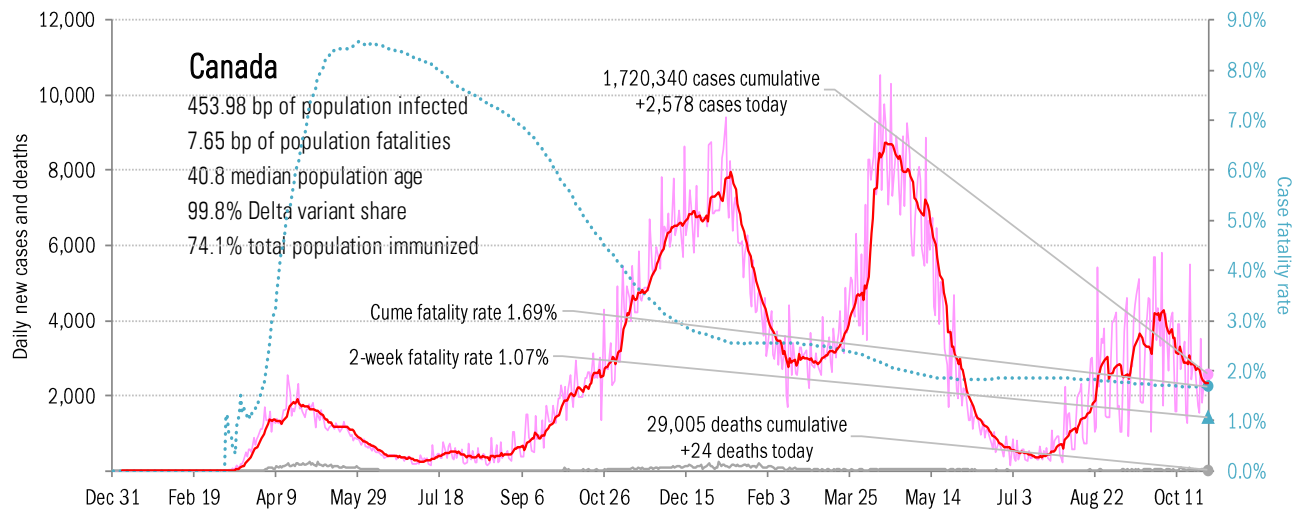
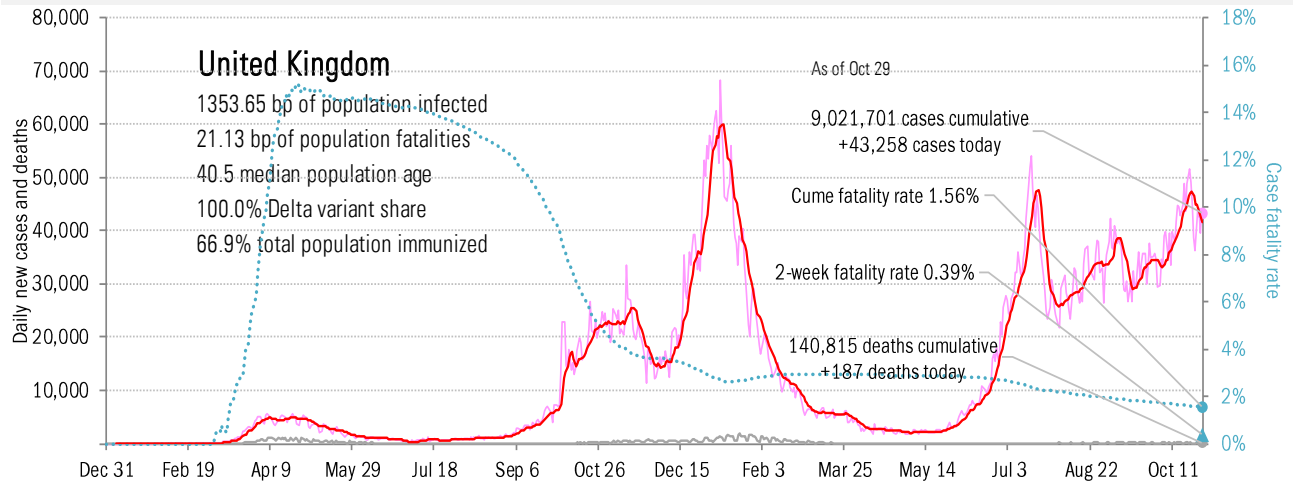
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

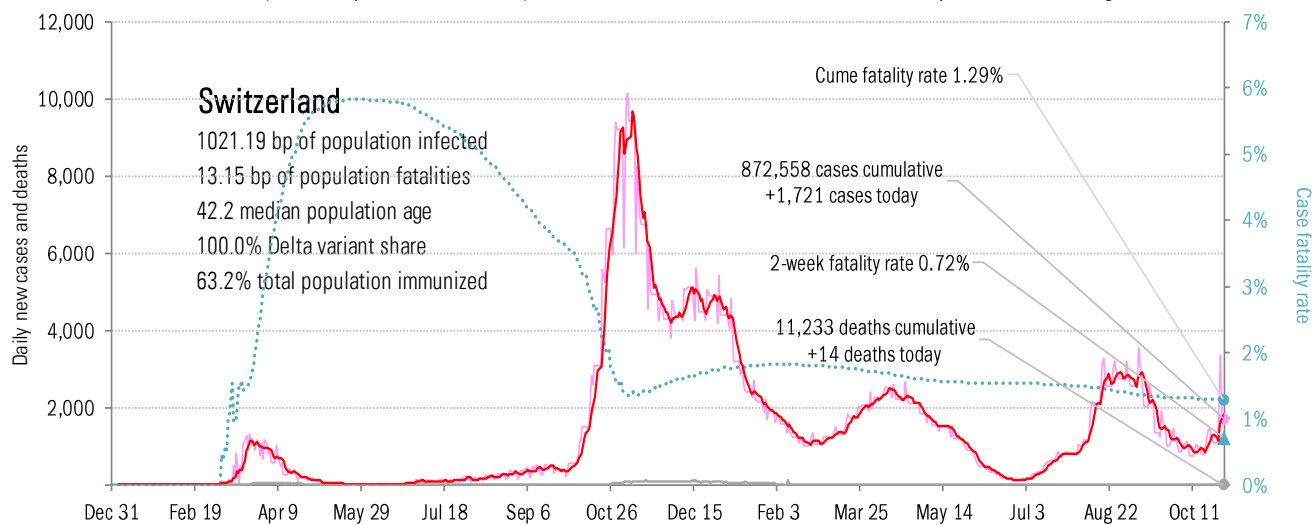
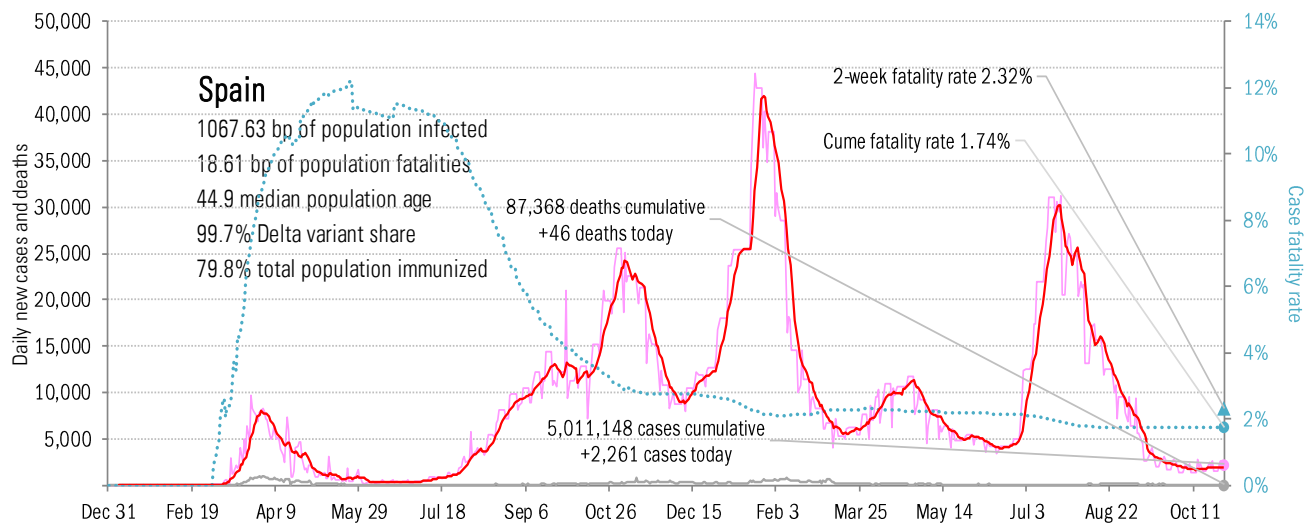
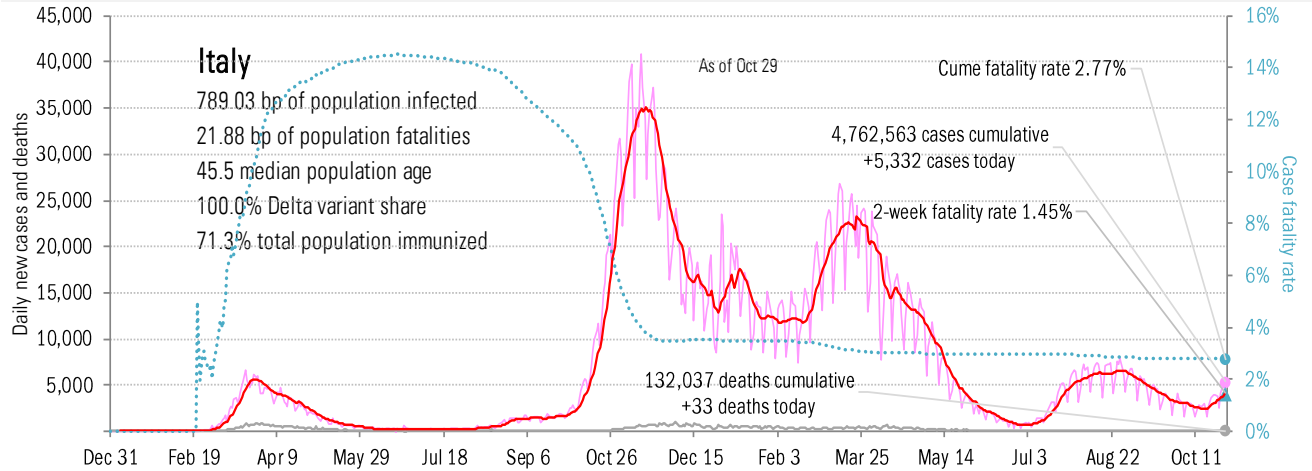
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

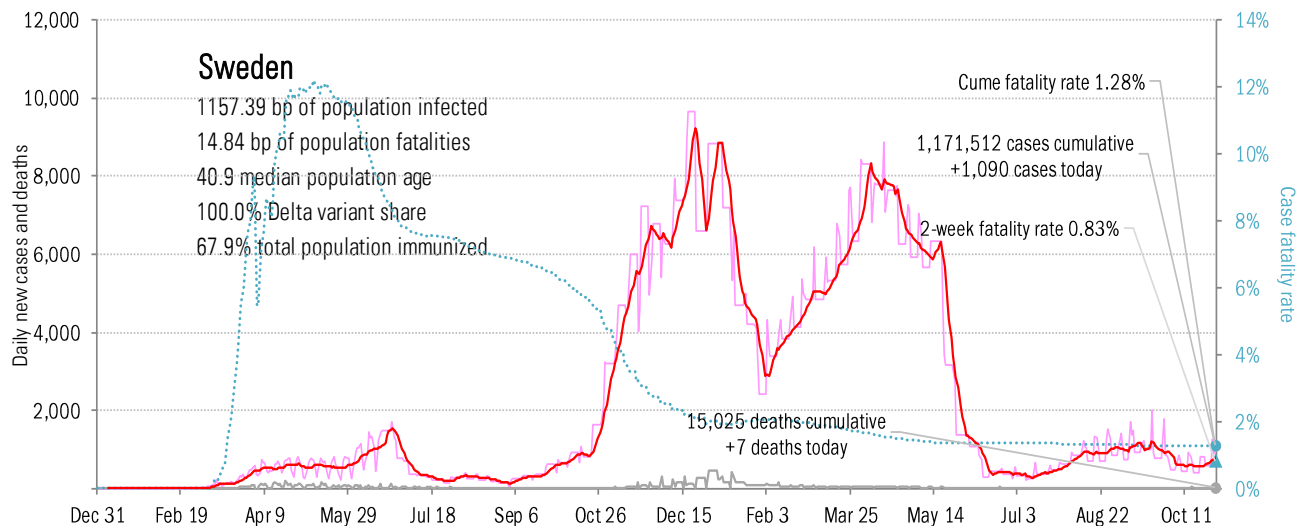
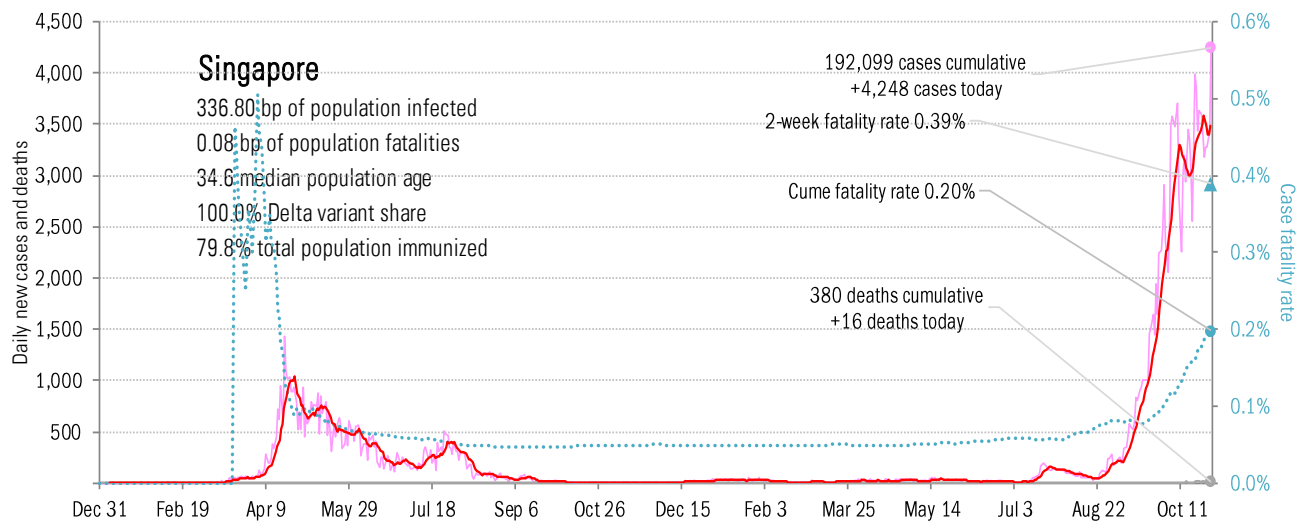
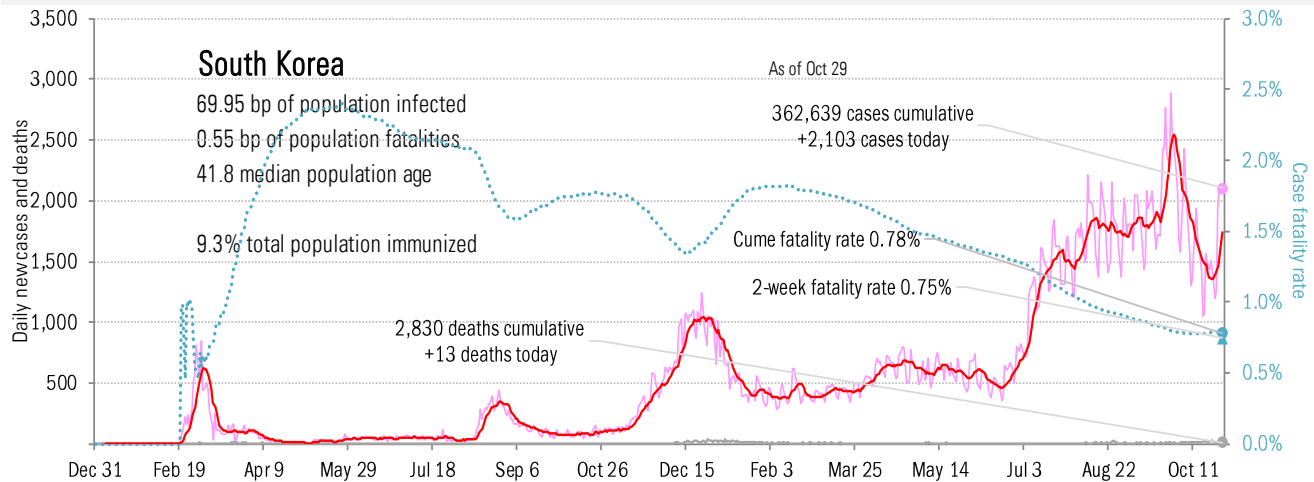
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

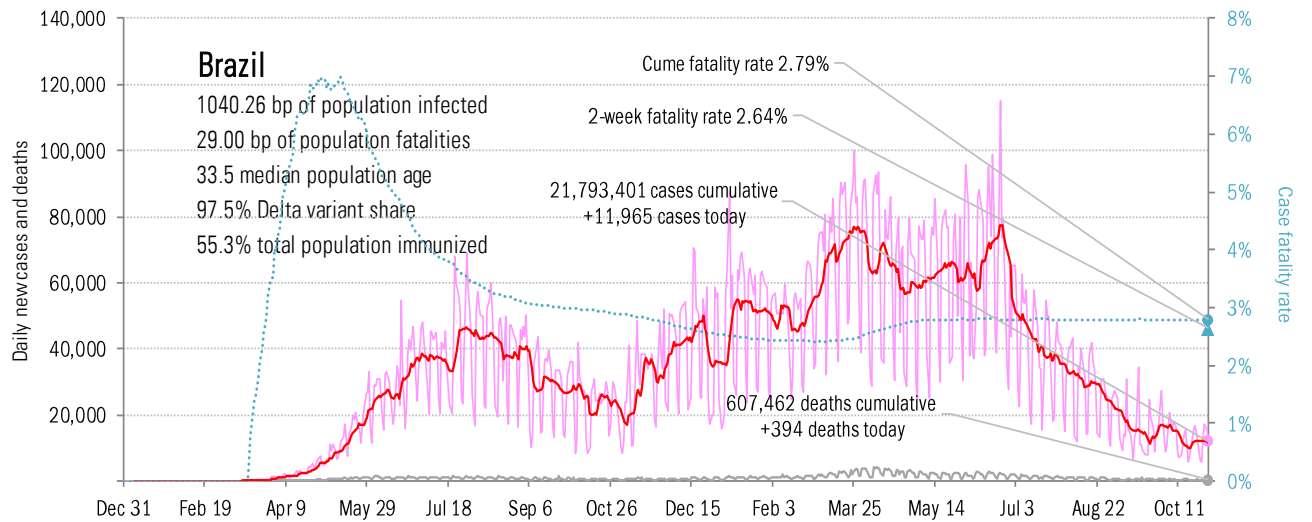
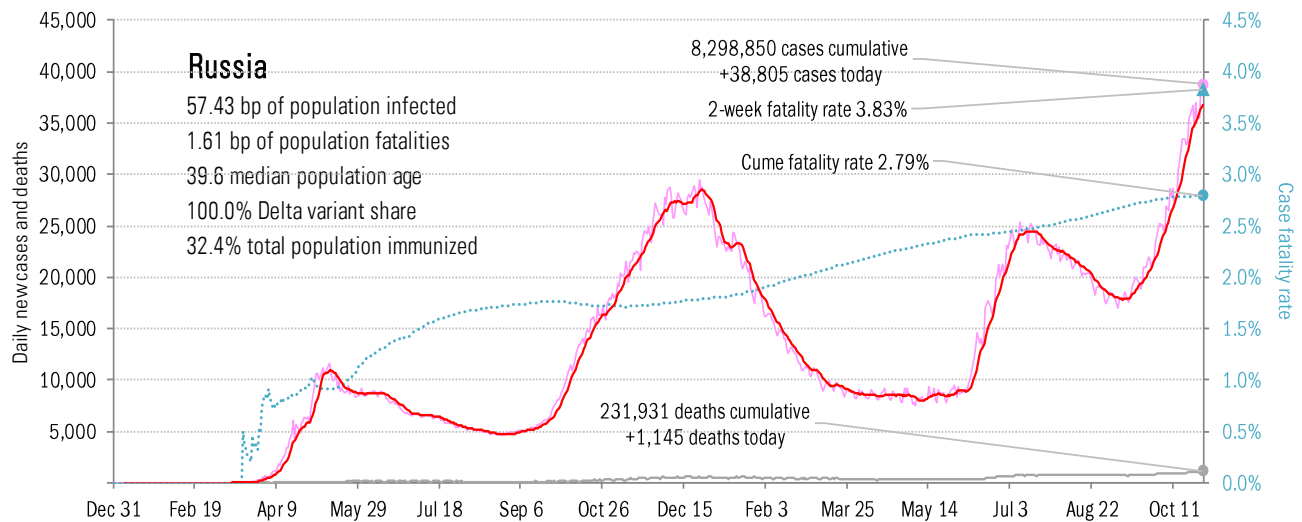
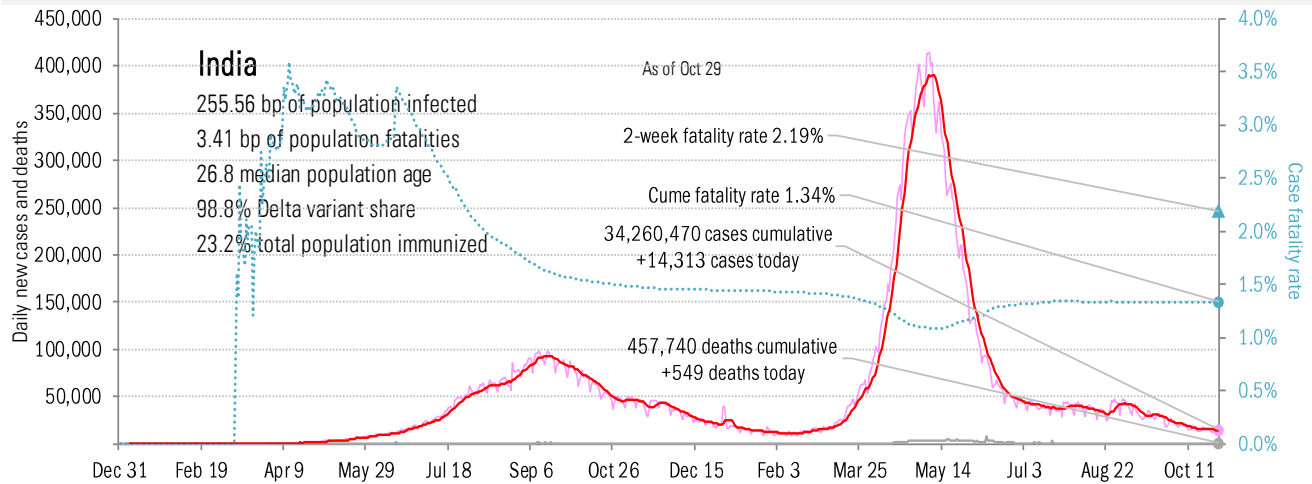
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

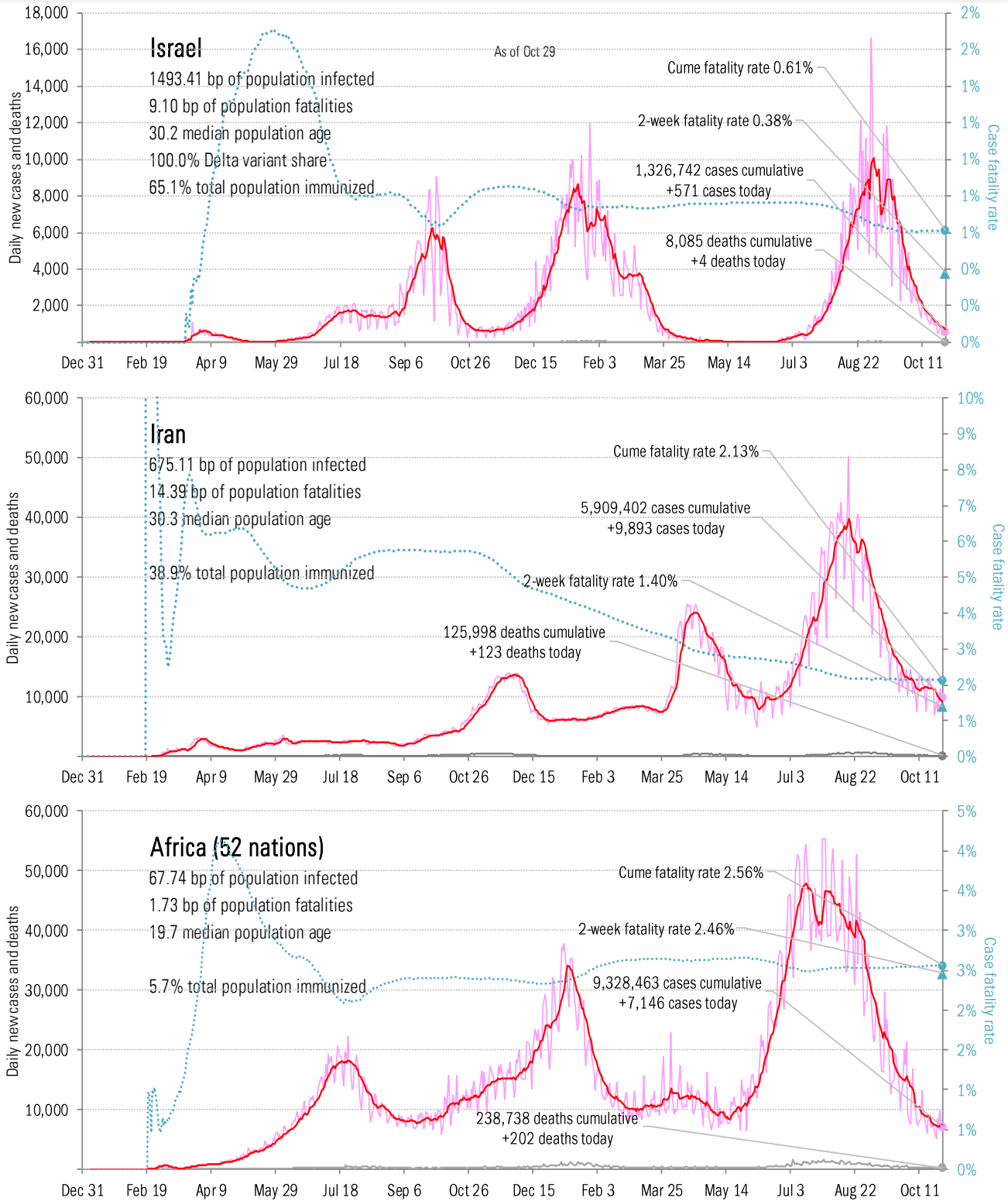
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

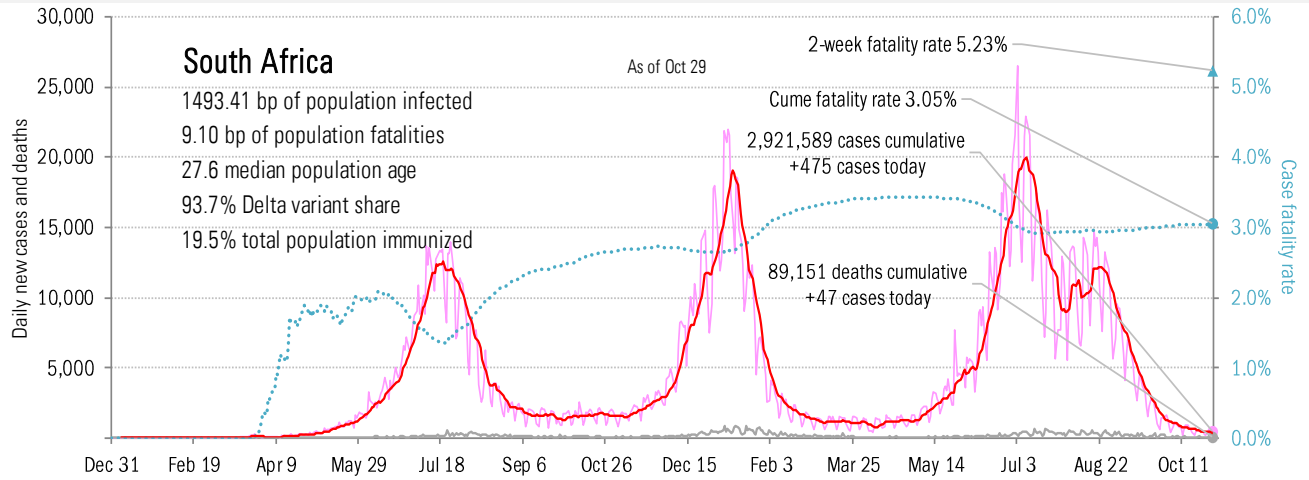
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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