

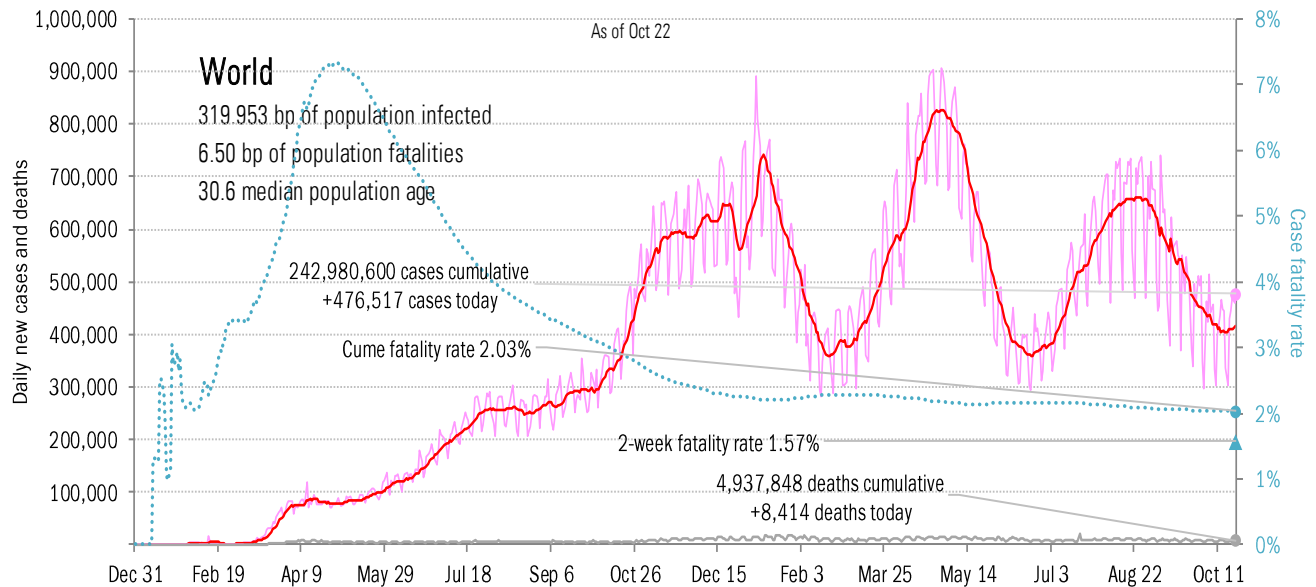
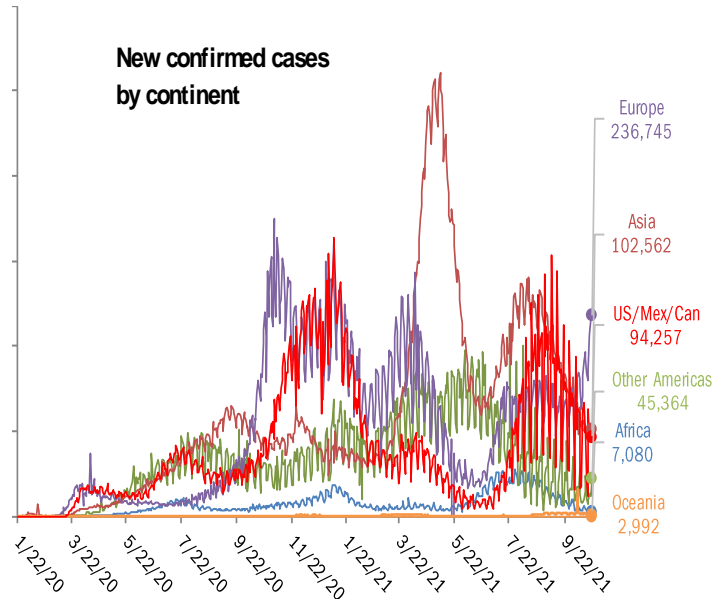
Data Insights: Covid-2019 Monitor

Saturday, October 23, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+86,939	United States	+2,099
United Kingdom	+48,992	Russia	+1,038
Russia	+36,205	India	+666
Turkey	+28,192	Ukraine	+640
Ukraine	+24,721	Brazil	+460
India	+16,326	Romania	+357
Romania	+15,410	Mexico	+284
Germany	+15,093	Philippines	+283
Brazil	+14,502	Turkey	+228
Iran	+11,064	United Kingdom	+181
+297,444		+6,236	
World +476,517		World +8,414	
Top ten 62%		Top ten 74%	



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

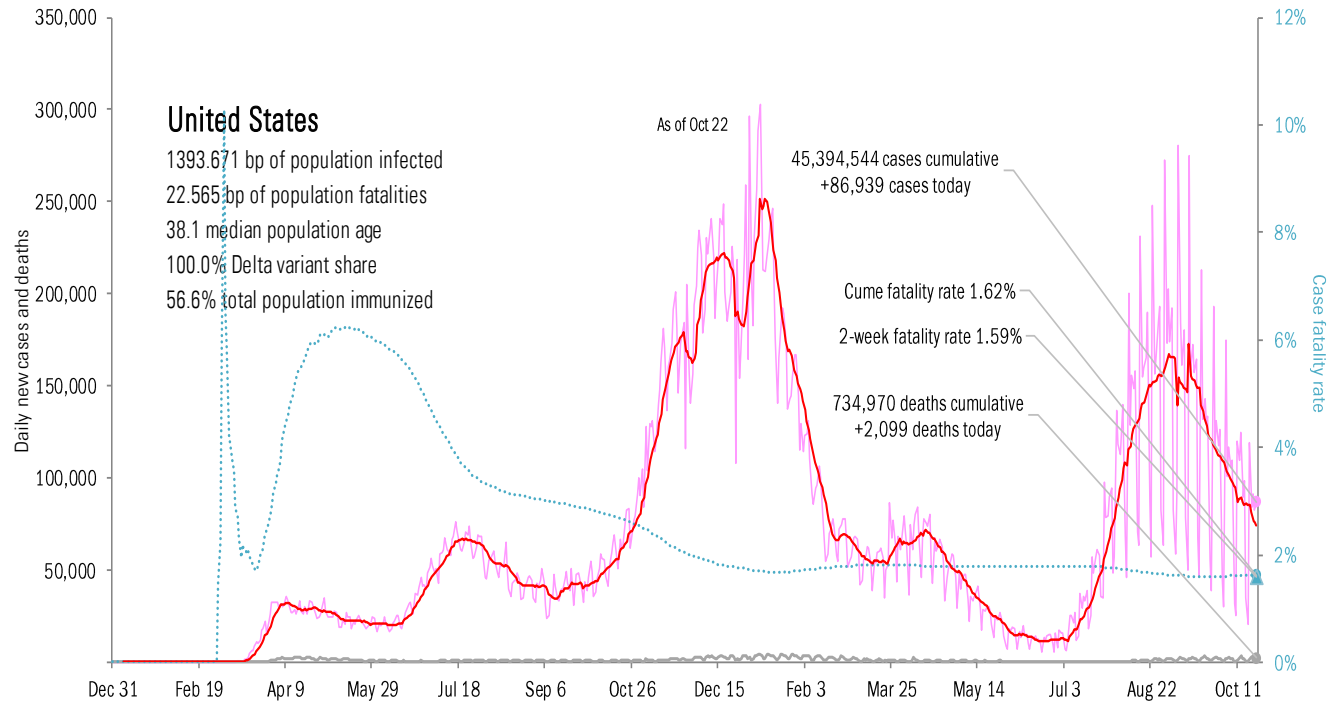
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	+9,178		CH	+339		TX	+24		CA	4,848,946		CA	71,328		TX	371,298		CK	97%	UT	129%
CA	+6,474		TX	+230		CO	+23		TX	4,206,675		TX	70,025		FL	316,231		MA	87%	ID	91%
PA	+4,496		GA	+175		UT	+21		FL	3,672,739		FL	58,400		CA	305,948		RI	86%	NE	90%
TX	+4,257		MI	+136		MI	+15		NY	2,527,230		NY	56,169		NY	161,503		PA	86%	NM	89%
CH	+4,078		FL	+135		AZ	+14		IL	1,680,908		PA	30,903		GA	158,016		MD	84%	VT	87%
NY	+3,670		CA	+126		ID	+14		GA	1,625,399		GA	28,519		CH	120,464		CT	83%	CO	87%
AZ	+3,074		PA	+88		MS	+9		PA	1,530,309		IL	28,023		PA	113,885		MO	82%	TX	87%
IL	+2,969		NC	+69		WV	+7		CH	1,515,838		NJ	27,828		KY	110,070		NY	82%	CK	86%
CO	+2,846		SC	+60		NH	+6		NC	1,463,410		CH	23,955		IL	103,440		MN	82%	KY	86%
NC	+2,609		AL	+58		SD	+6		TN	1,272,558		MI	23,309		MI	88,916		NH	82%	AL	85%
+43,651			+1,416			+139			24,344,012			418,459			1,849,771						
All states	+86,939		+2,099			-492			All states	45,394,544		734,970			3,300,167			All states	70%	67%	
Top ten	50%		67%			-28%			Top ten	54%		57%			56%			Median	78%	80%	

Some states not reporting

Five most improved US states

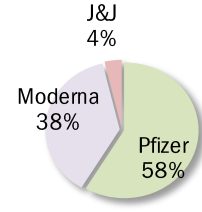
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-4,481	CA	-44	CH	-123	NM	+100 bp
TX	-1,400	CR	-31	NY	-69	AR	+40 bp
CA	-976	KY	-24	MO	-38	GA	+40 bp
NE	-802	NV	-19	CA	-34	LA	+30 bp
UT	-721	NY	-14	PA	-33	CK	+30 bp



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	One dose	% Pop	Immune	% pop	New immune today			
423,573,694					+0.982 million	US	56.6%	65.4%
Total population	225,532,277	68%	195,167,586	58%	+0.464 million	UK	66.7%	72.7%
Age 12 to 17	14,113,947	59%	11,677,860	49%	+0.009 million	France	67.5%	75.5%
Age 18 to 64	155,989,260	77%	134,688,332	66%	+0.357 million	Spain	79.6%	81.2%
Age 65 and over	54,327,744	99%	47,895,670	88%	+0.095 million	Germany	65.5%	68.5%
						Italy	70.6%	76.9%
						Australia	59.5%	72.5%
						Israel	65.0%	70.7%
						Canada	73.4%	78.0%
						Japan	69.0%	76.5%
						Africa	5.3%	8.2%
						India	21.4%	51.1%
						Brazil	51.6%	73.6%
						China	72.6%	76.2%



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



Every American >18 immune in **71 days** by Jan 1, 2022
 70.7% of population >18 immunized
 16.2% previously tested positive
86.9% vs 60% adult herd immunity

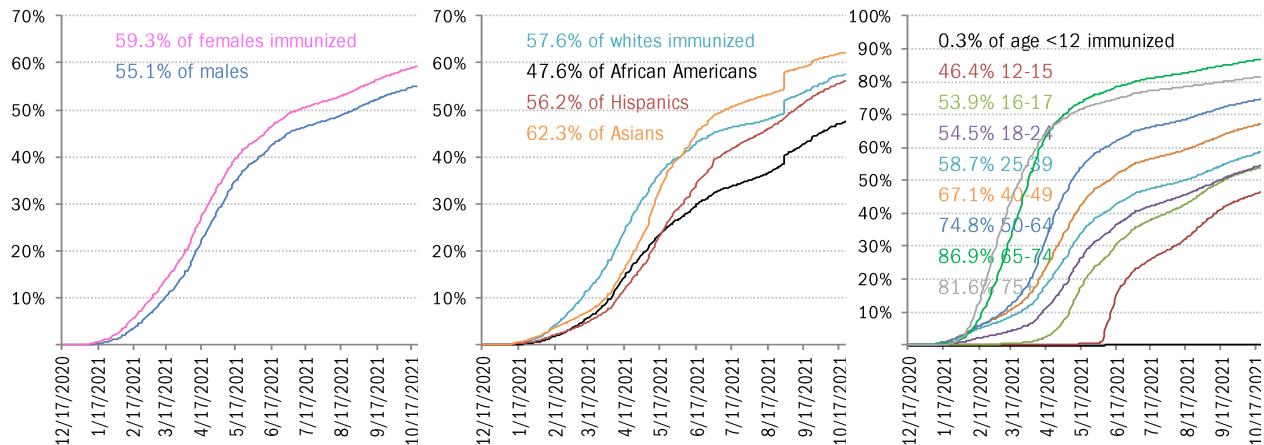
AK
58.8%
52.2%

WI
62.2%
57.9%

ME
75.7%
70.0%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
68.8%	48.5%	56.3%	52.7%	64.7%	69.6%	57.7%	73.4%	79.0%	73.7%	
62.9%	43.2%	49.9%	45.7%	59.4%	54.4%	53.1%	66.0%	70.8%	62.6%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
67.9%	62.6%	50.2%	61.0%	59.2%	53.3%	55.4%	76.1%	74.3%	79.3%	
62.4%	52.4%	43.4%	52.1%	55.2%	49.5%	51.5%	59.9%	65.9%	69.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
73.8%	60.6%	67.1%	60.6%	56.3%	62.4%	48.8%	70.3%	72.4%	78.2%	77.3%
60.7%	53.0%	61.0%	55.9%	49.3%	54.3%	40.9%	62.5%	65.7%	70.2%	70.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	60.8%	75.5%	61.7%	57.5%	54.1%	62.8%	56.9%	73.3%	68.4%	
	52.6%	65.5%	52.7%	47.5%	47.2%	52.2%	49.4%	61.9%	59.4%	
			OK	LA	MS	AL	GA			
			58.6%	53.4%	51.7%	53.9%	56.4%			
			49.5%	47.2%	45.3%	44.3%	47.6%			
			TX					FL		PR
			60.8%					68.6%		81.6%
			52.8%					59.2%		73.1%

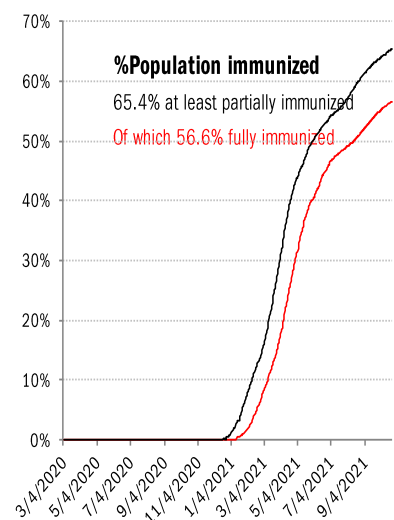
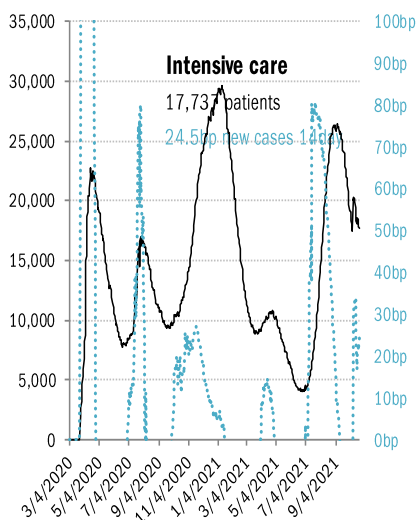
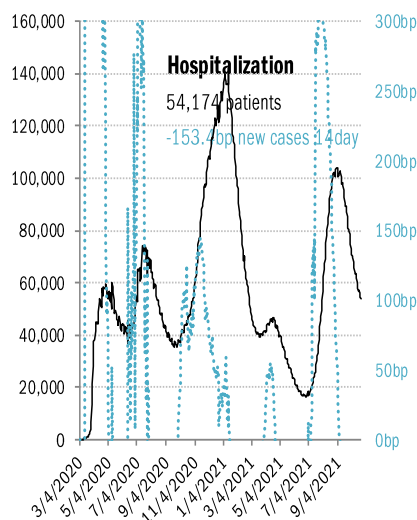
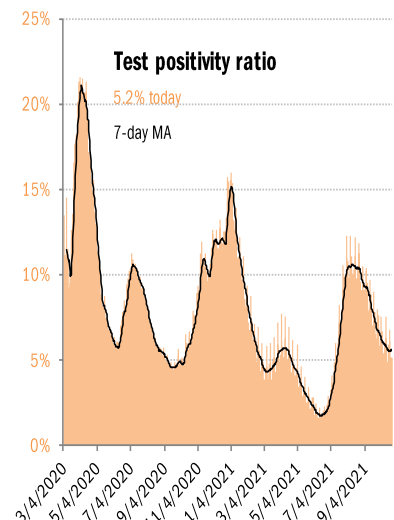
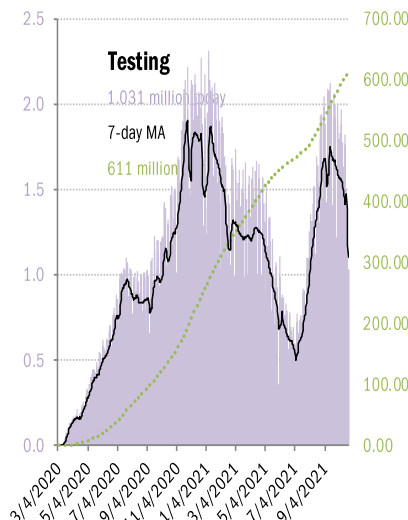
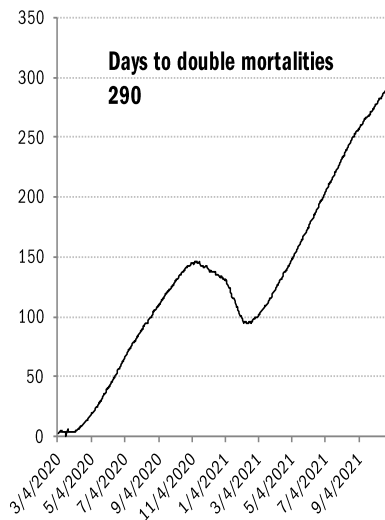
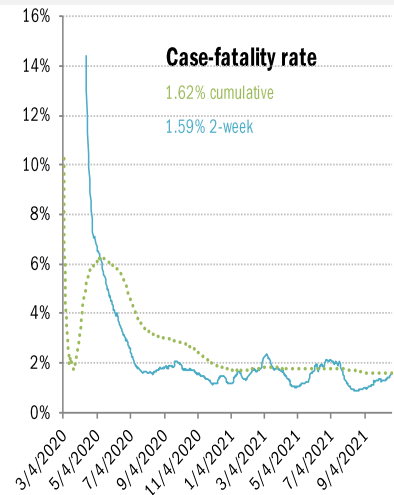
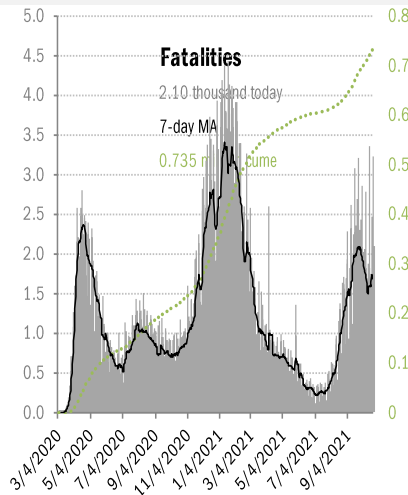
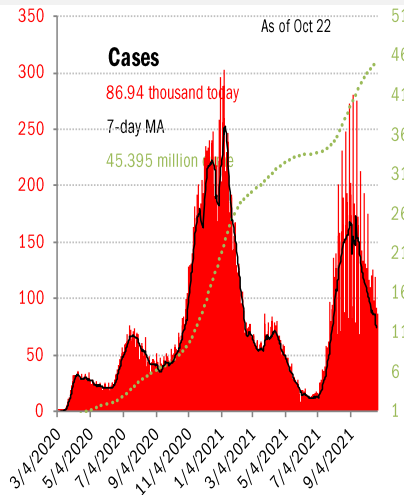
The demographics of US vaccination



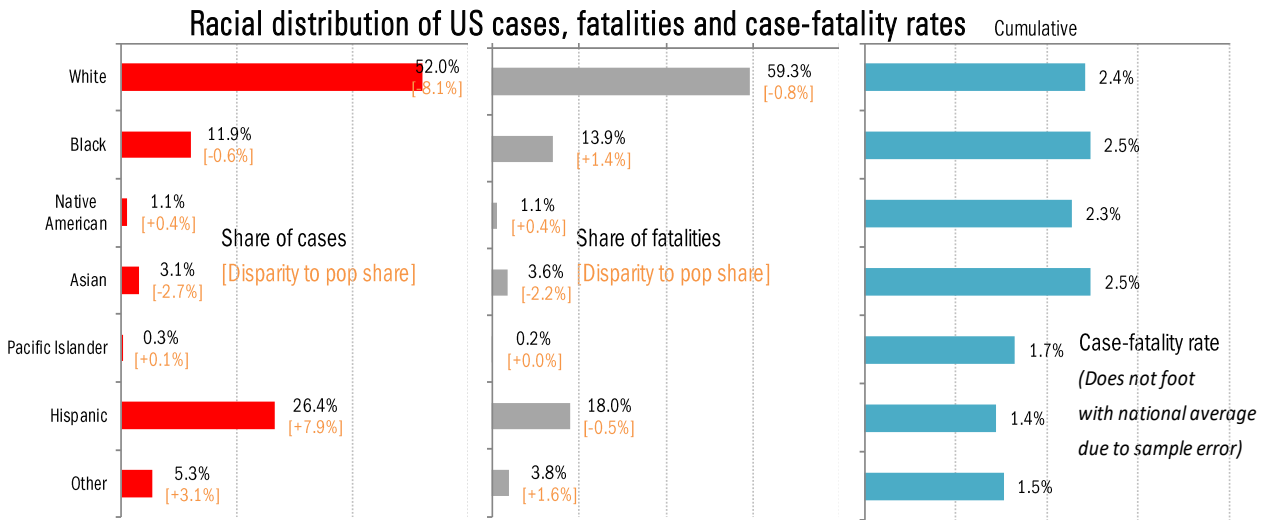
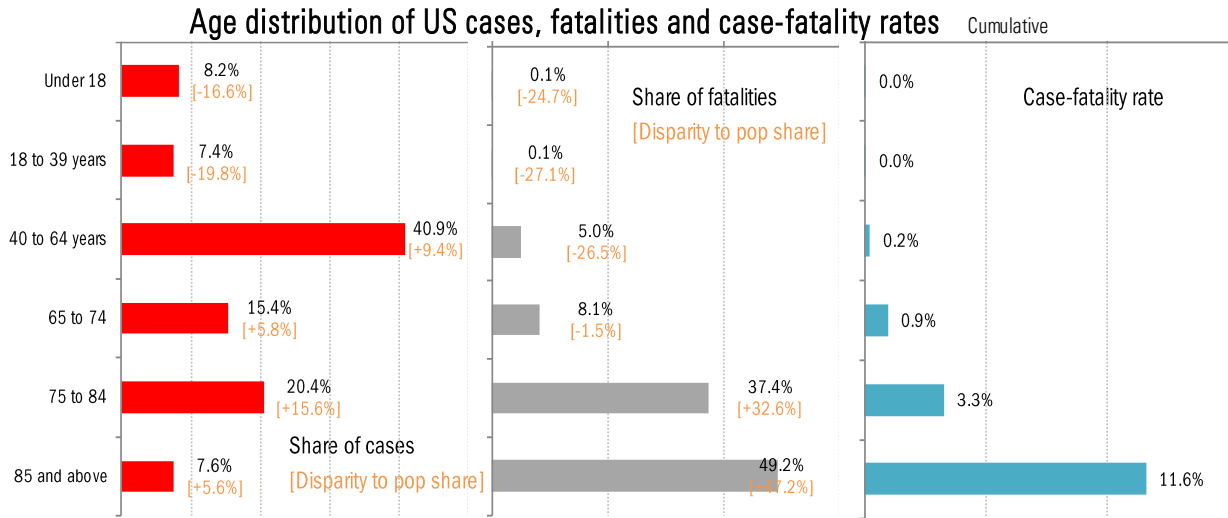
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

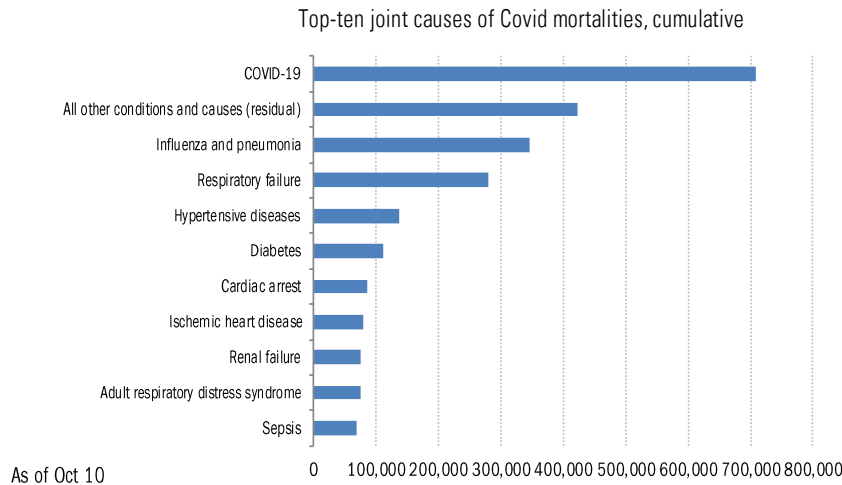
National and state-by-state data do not line up because of different sources



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



Comorbidities



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

[In Major Shift, NIH Admits Funding Risky Virus Research in Wuhan](#)

Katherine Eban
Vanity Fair
October 22, 2021

[Pfizer-BioNTech Covid-19 Vaccine for Young Kids Satisfied FDA Criteria, Agency Says](#)

Peter Loftus and Jared S. Hopkins
Wall Street Journal
October 22, 2021

[Scalise says GOP memo on closed-door Birx testimony confirms world was 'misled' on COVID](#)

Houston Keene
Fox News
October 21, 2021

[NIH changes story, confirms it funded Wuhan experiment that made bat coronavirus more dangerous](#)

Greg Piper
Just the News
October 21, 2021

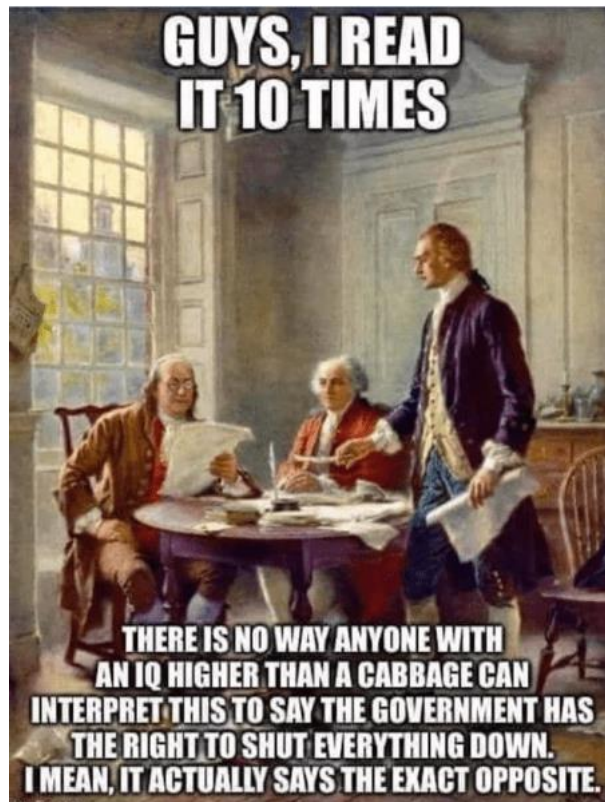
[With 40% Of TSA Screeners Unvaccinated, Airports May Soon Start Melting Down](#)

Gary Leff
View from the Wing
October 14, 2021

[Why Is Biden Mandating Vaccines for Workers Instead of Public Program Participants?](#)

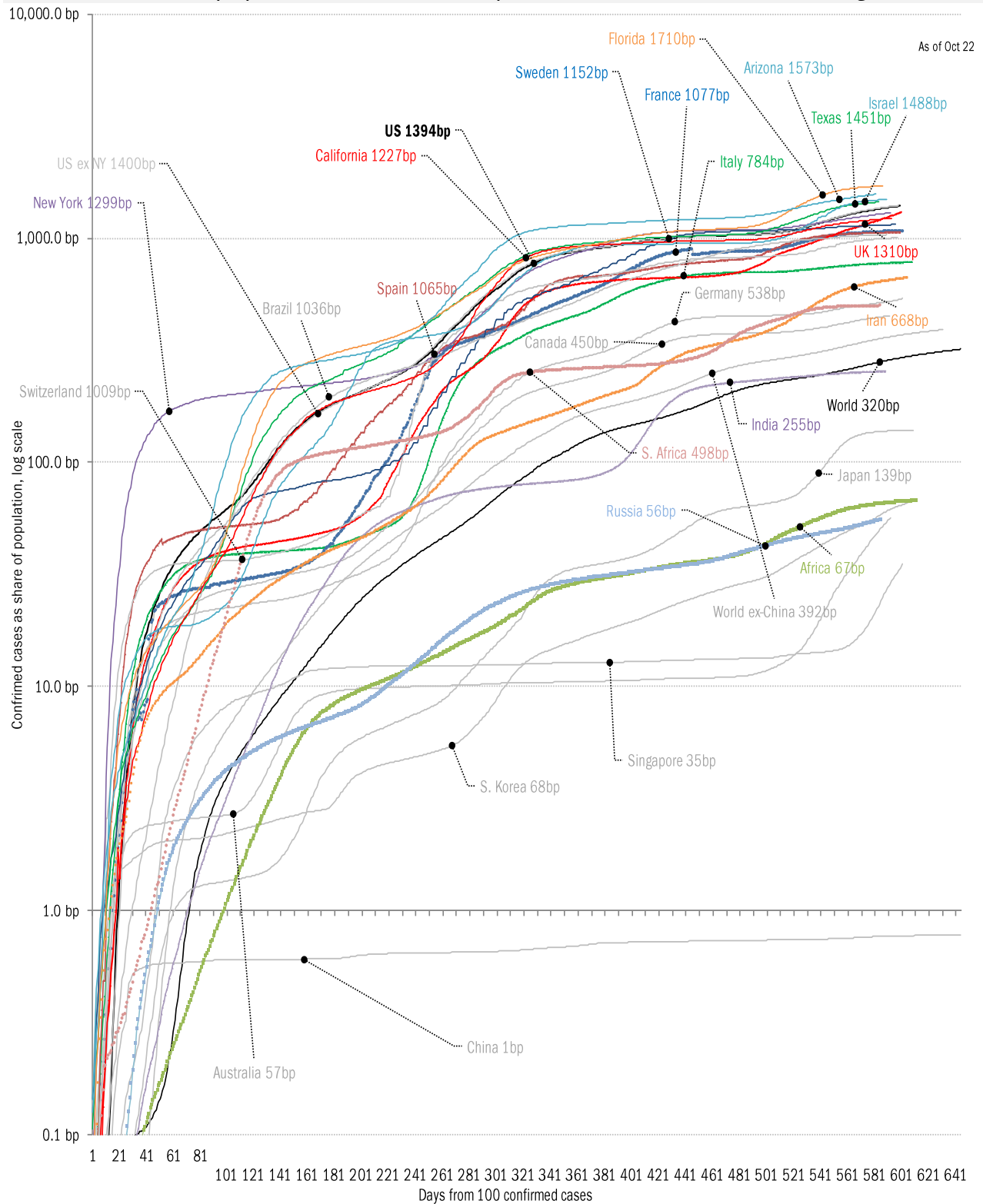
Casey B. Mulligan and Tomas J. Philipson
Newsweek
October 20, 2021

Meme of the day



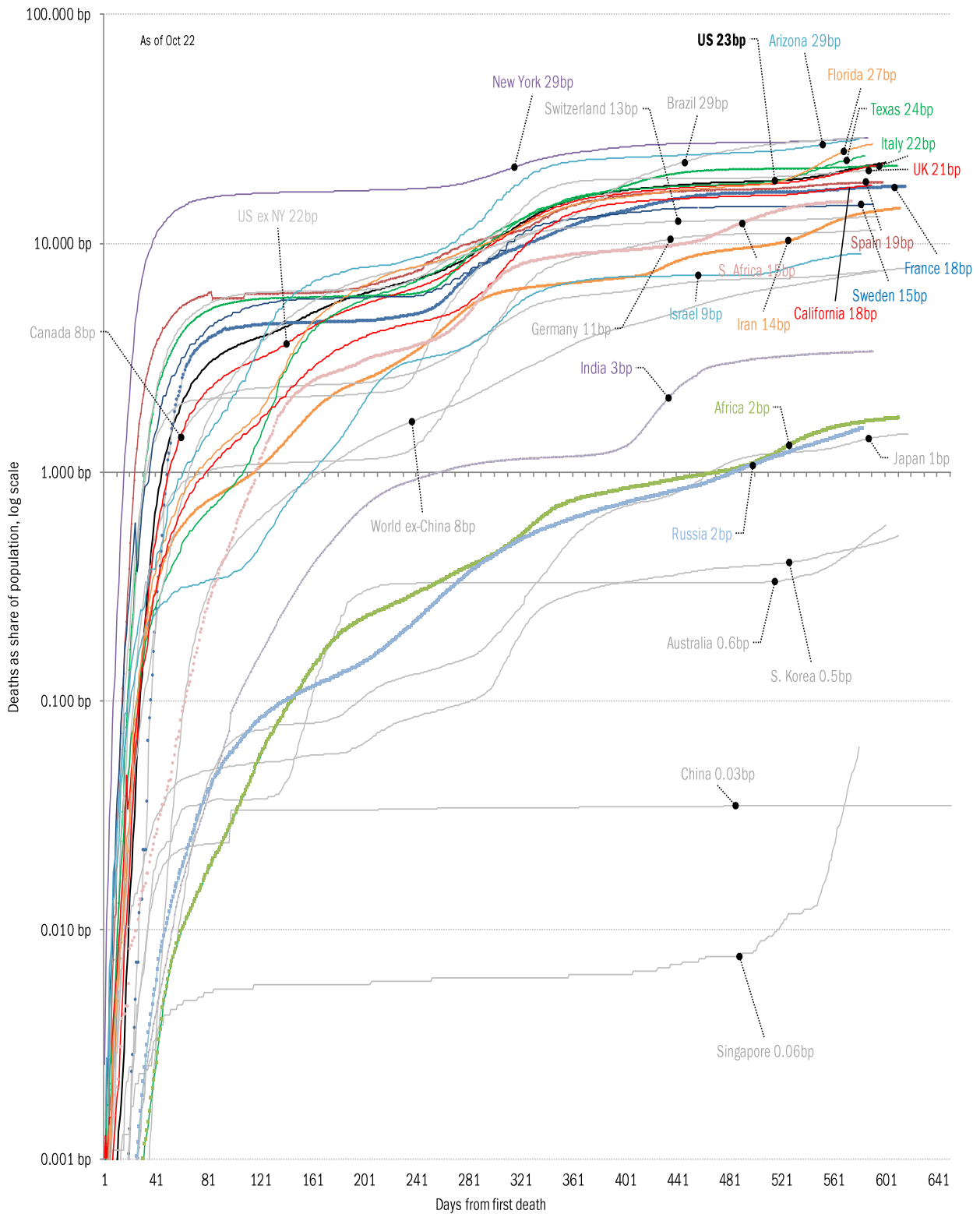
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

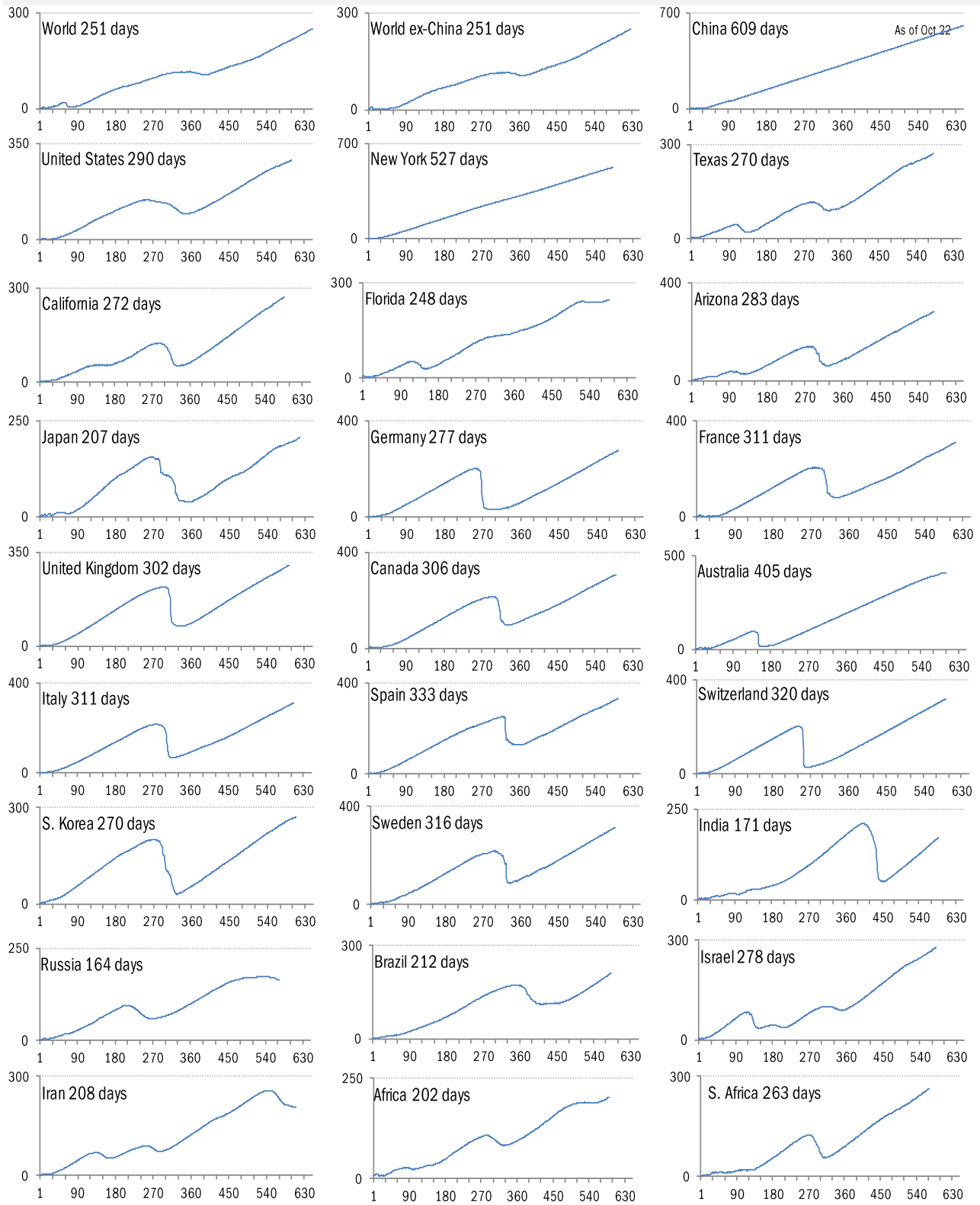


Source: [Johns Hopkins](#), TrendMacro calculations

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

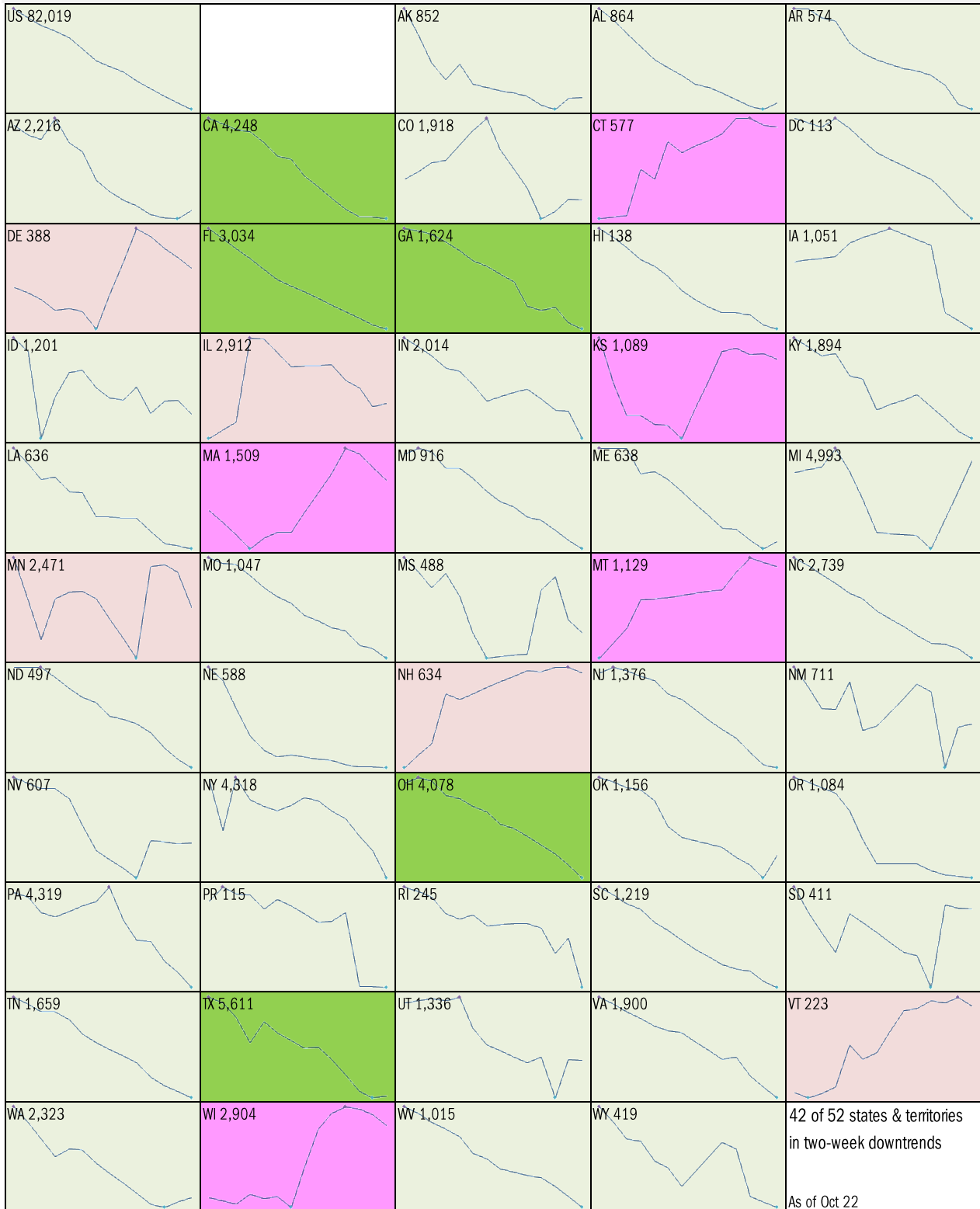
Vertical: days to double deaths Horizontal: days from first death

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

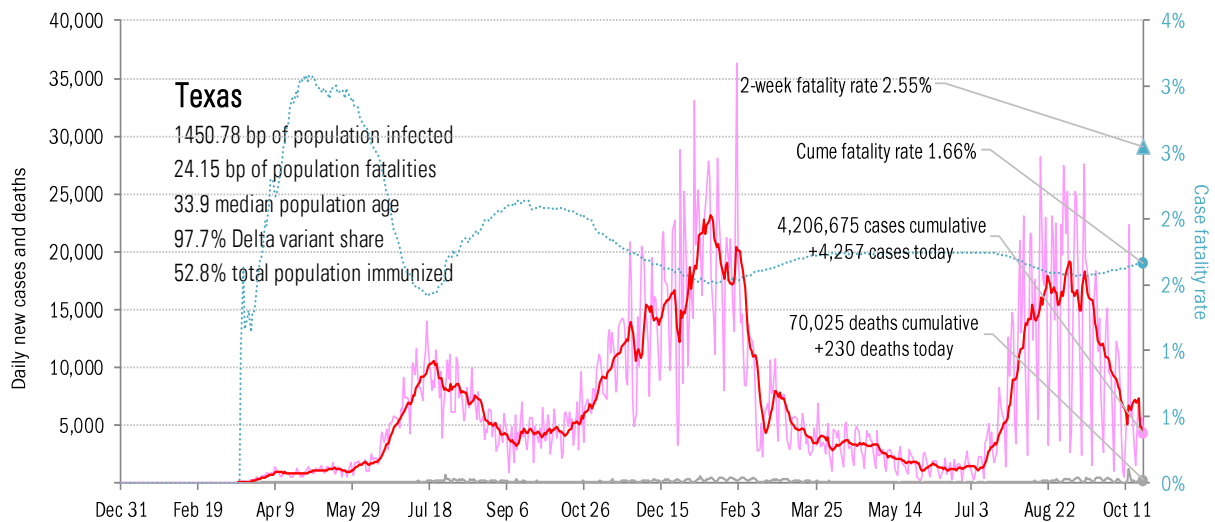
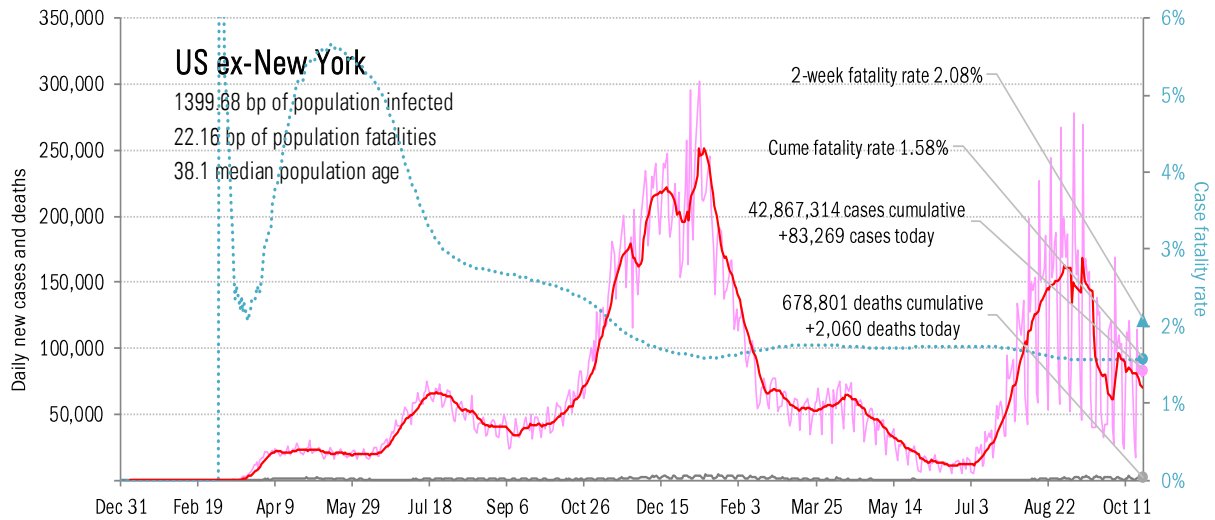
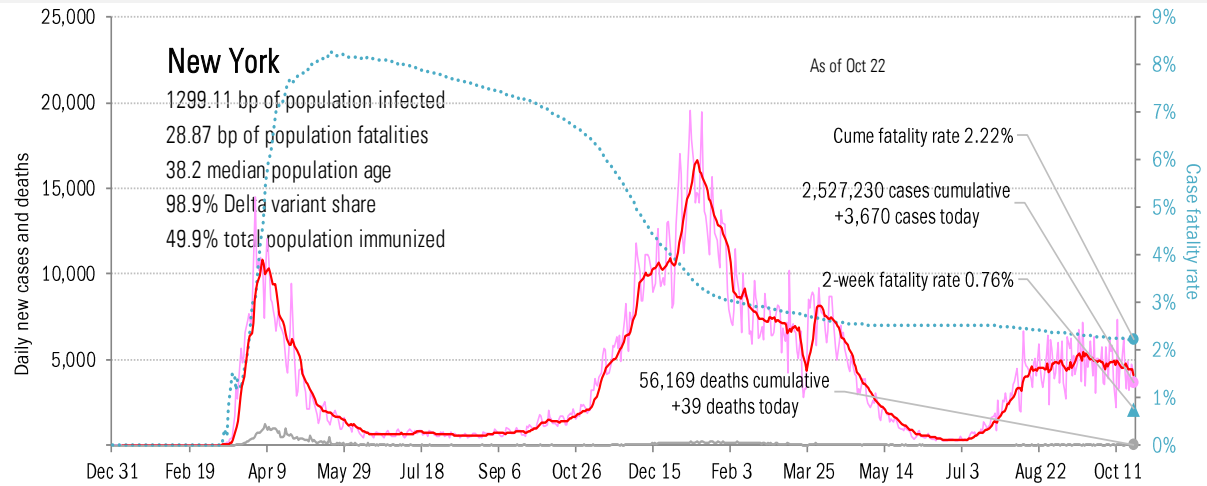
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

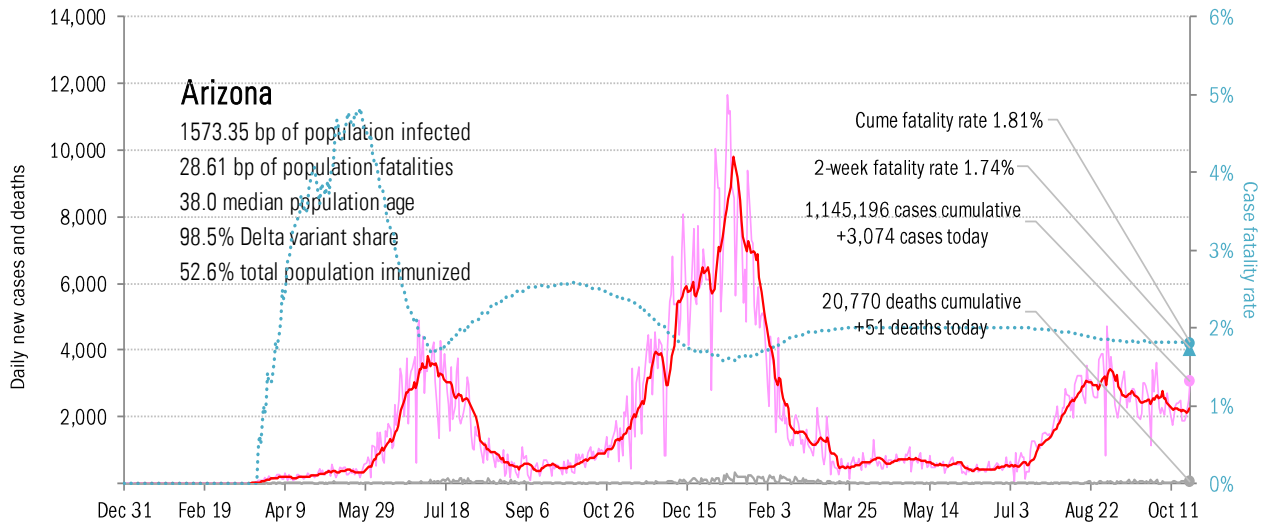
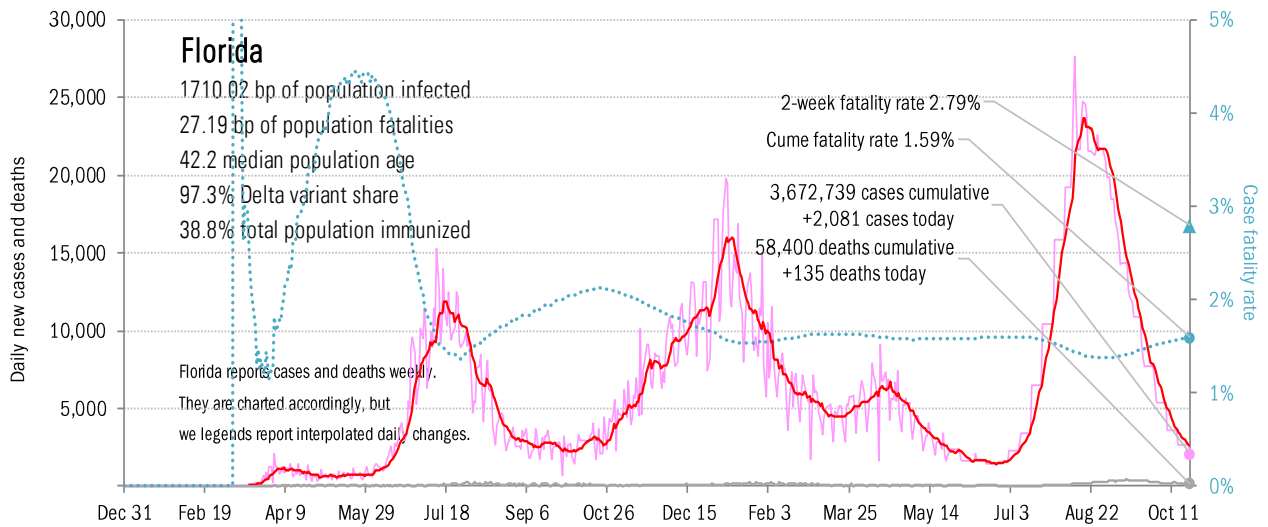
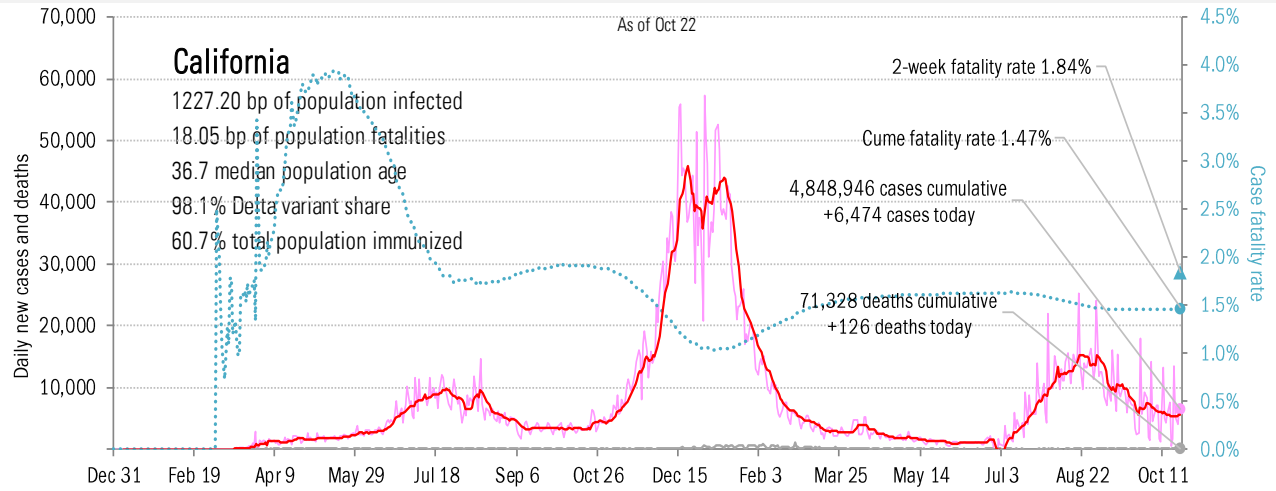
Cases: 7-day average and daily Deaths: Daily



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

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

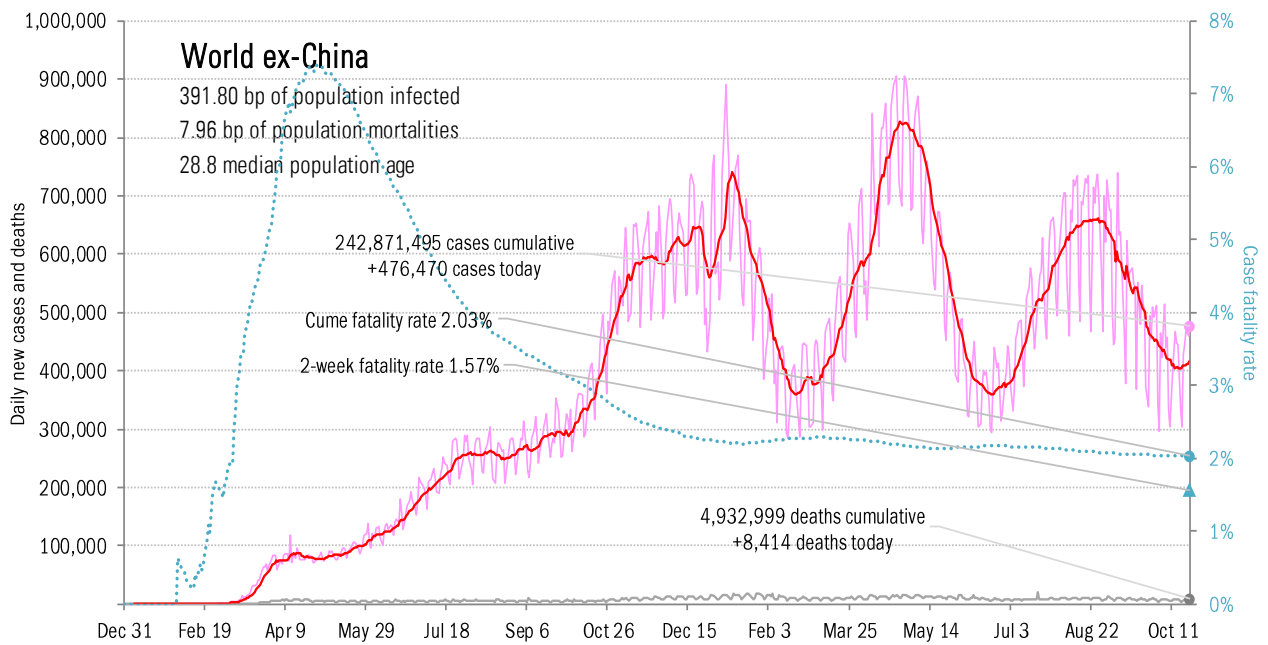
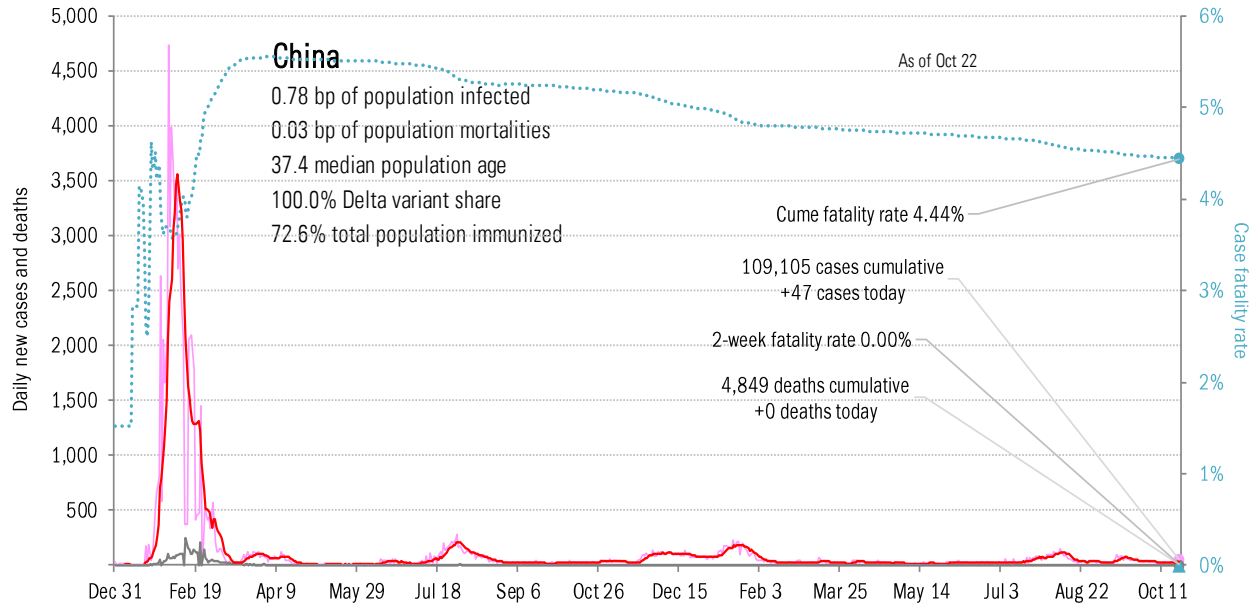
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

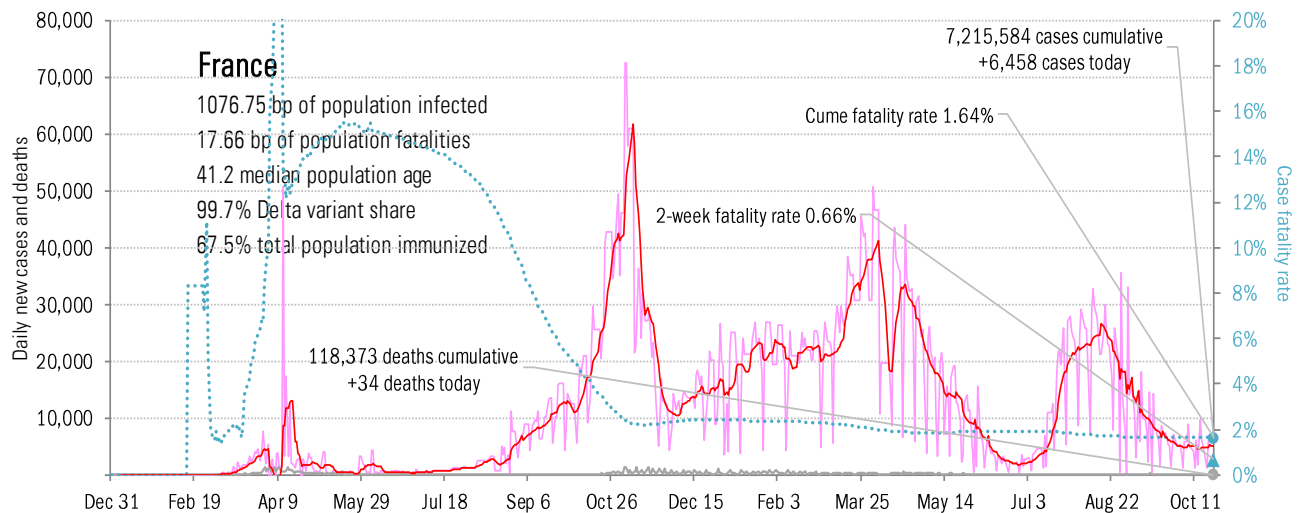
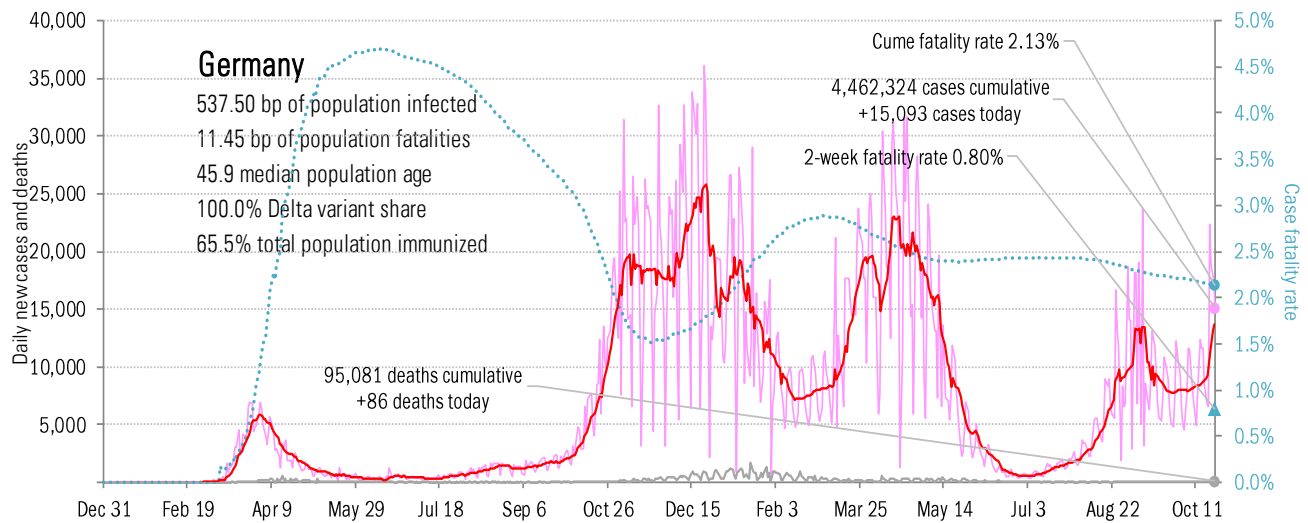
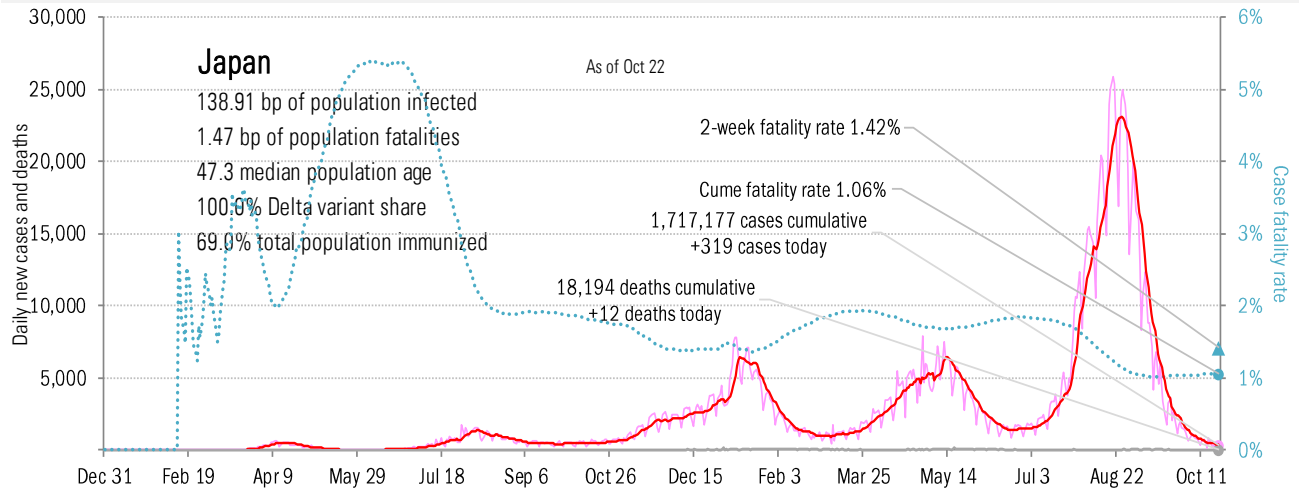
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

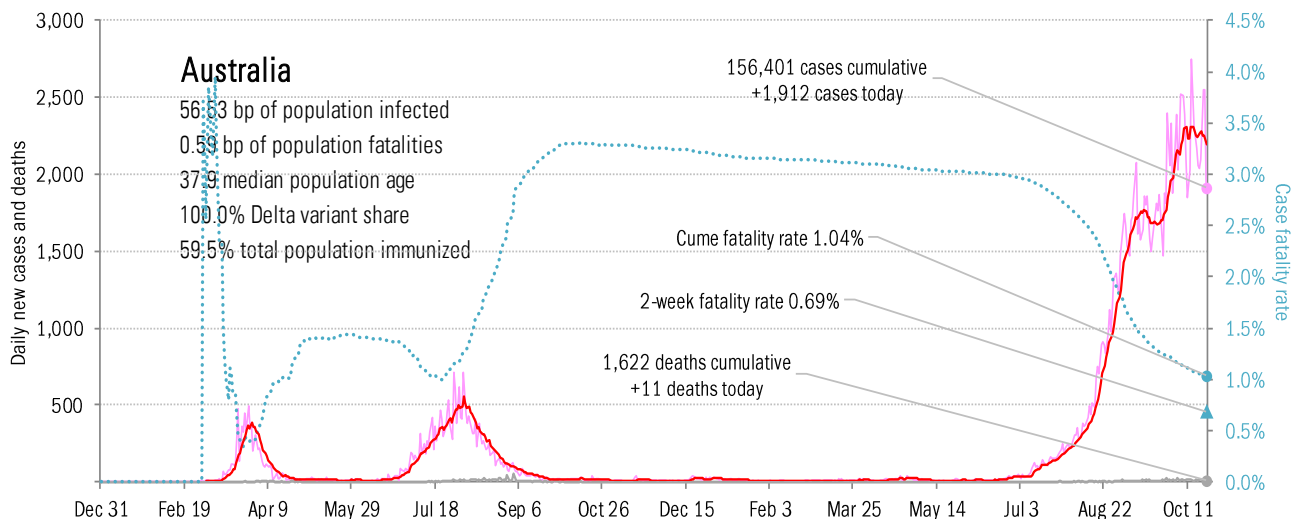
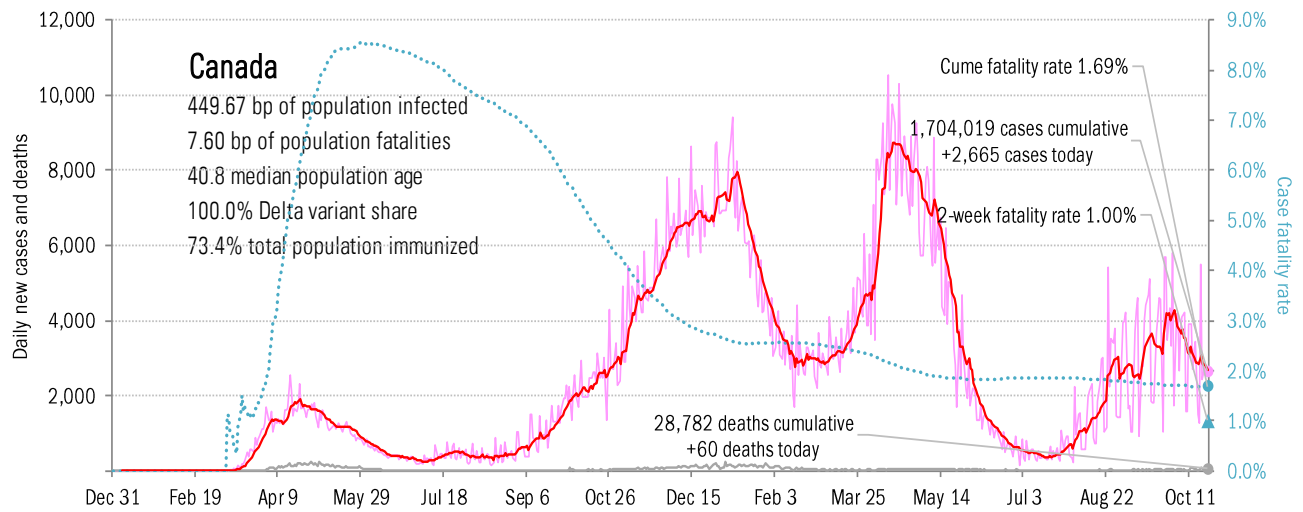
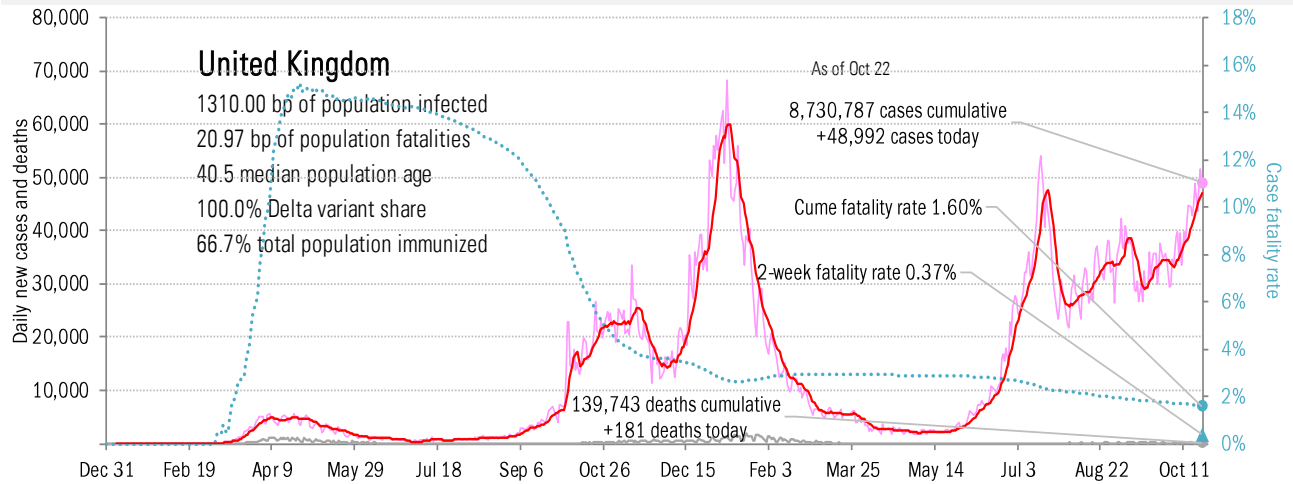
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

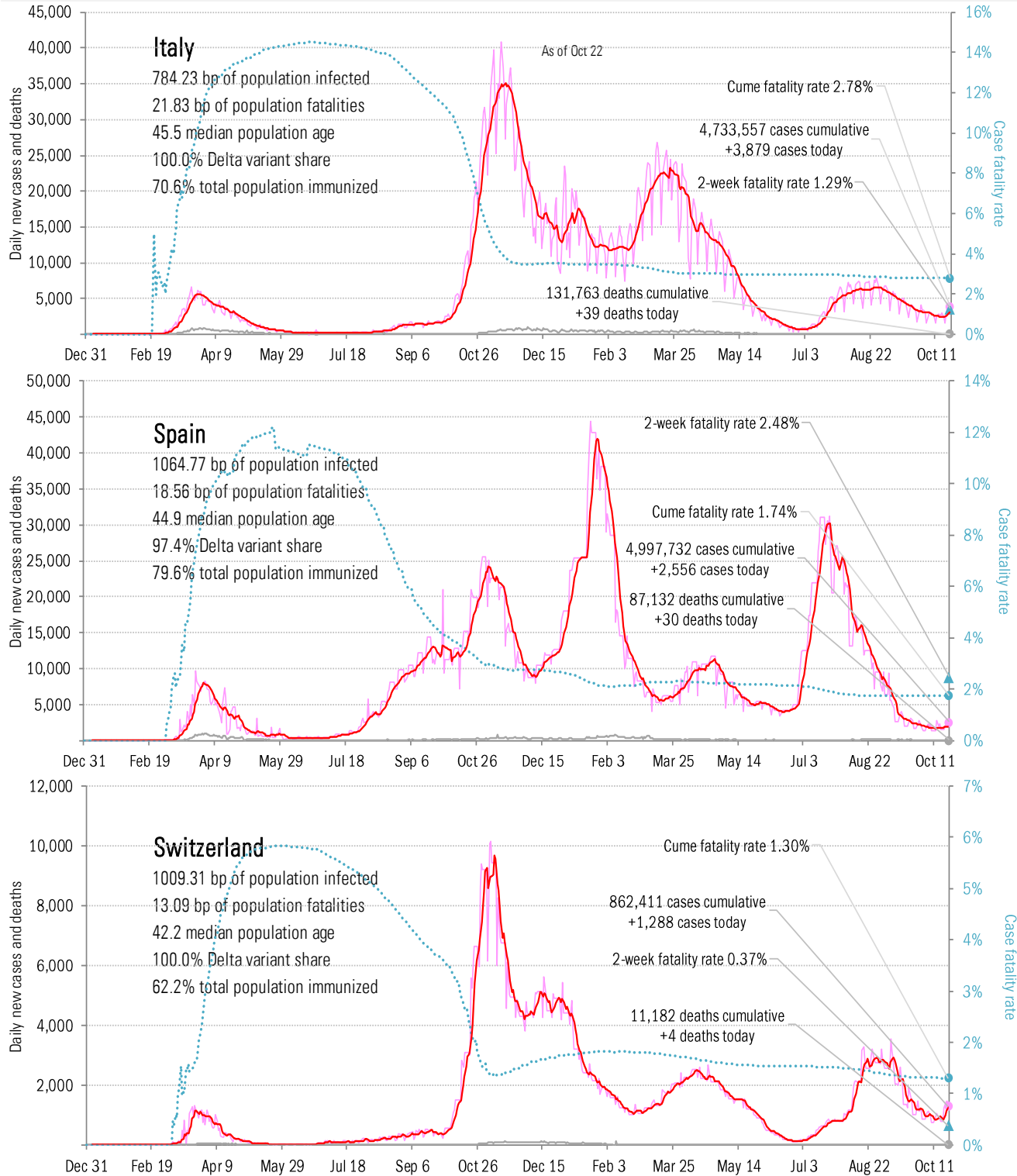
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

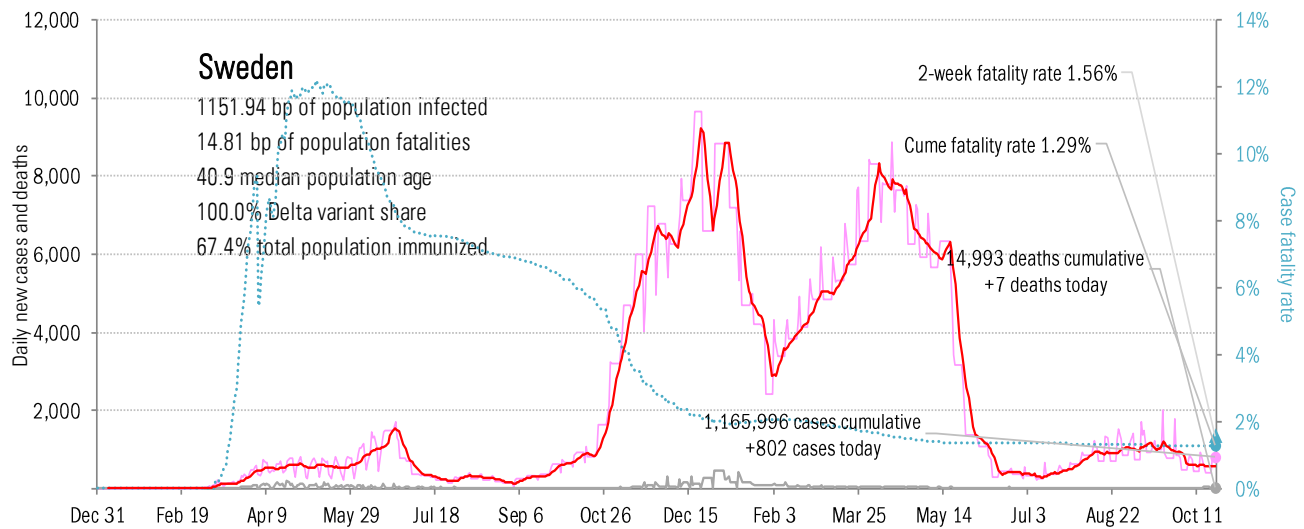
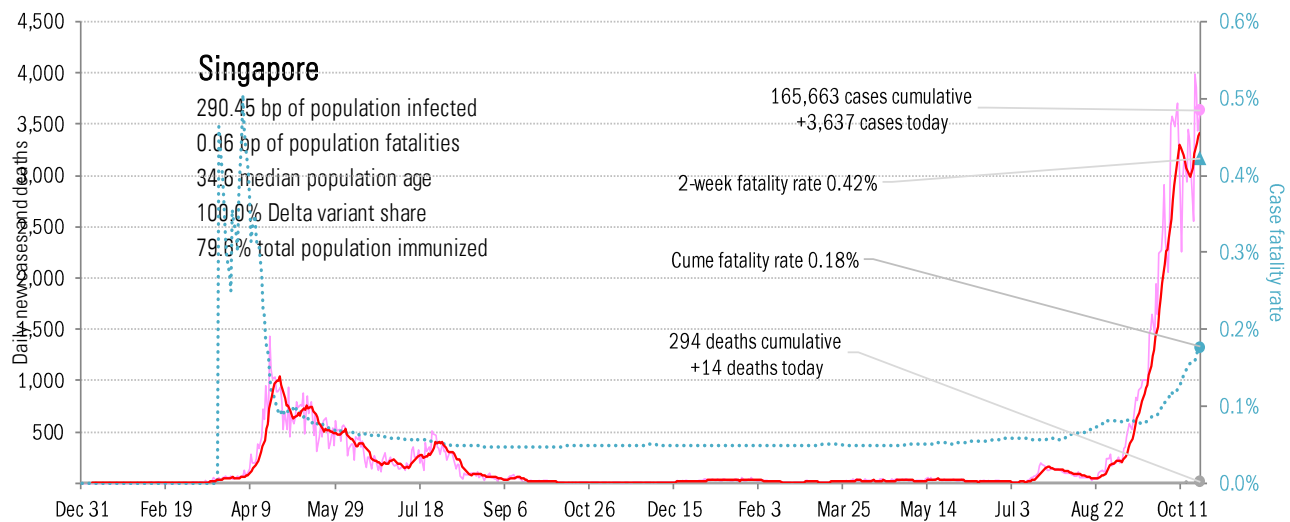
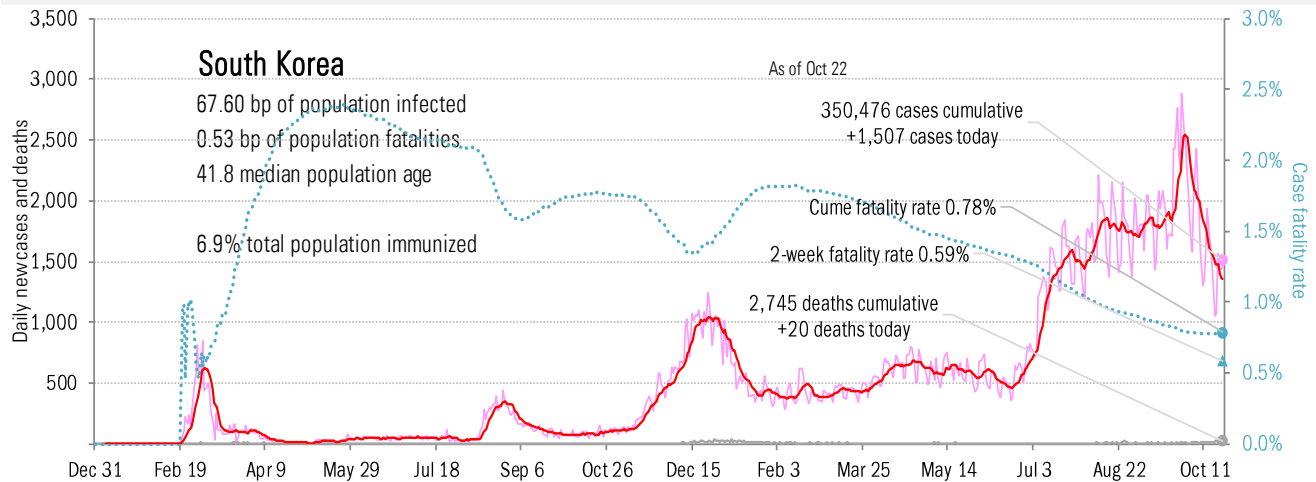
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

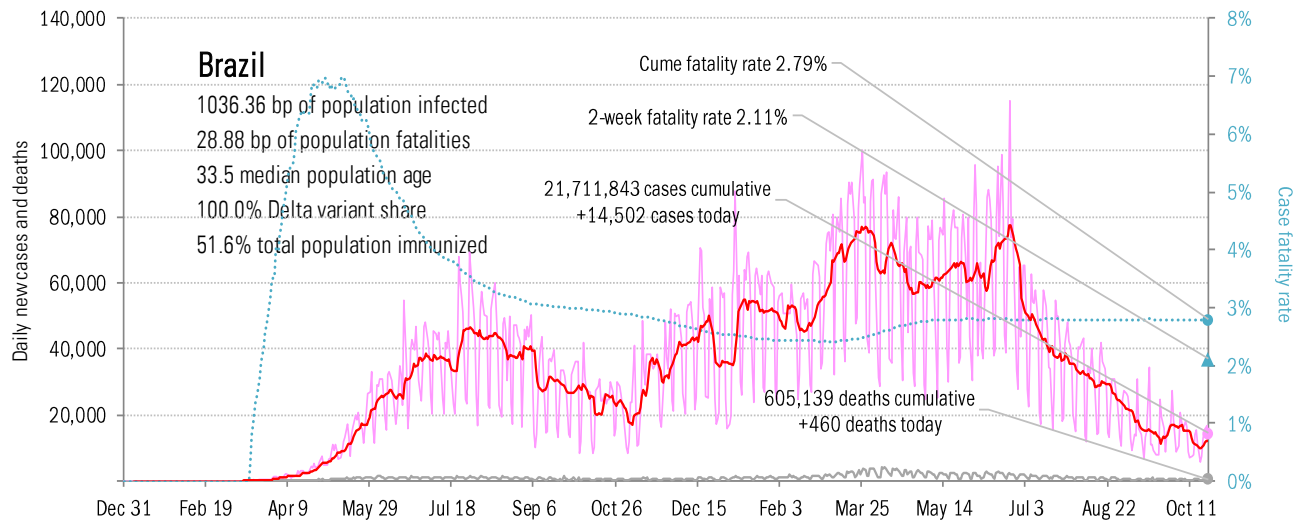
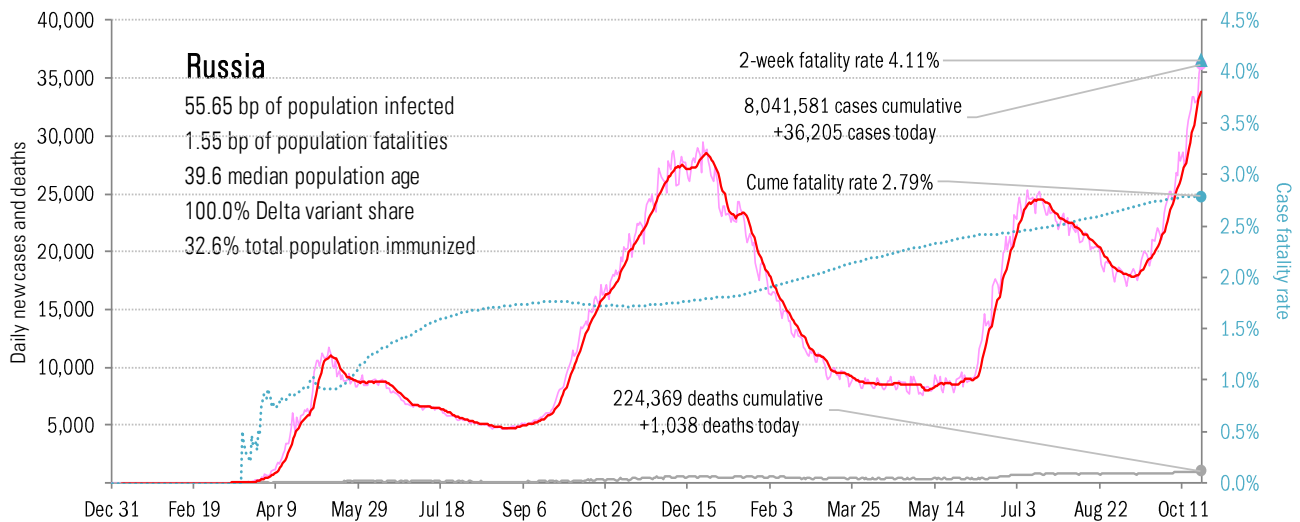
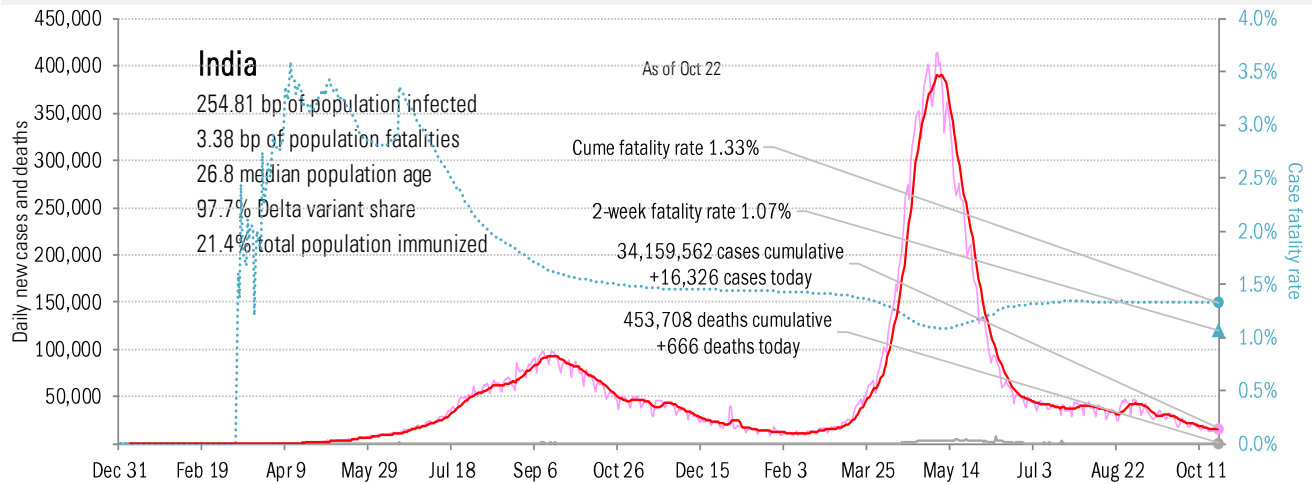
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

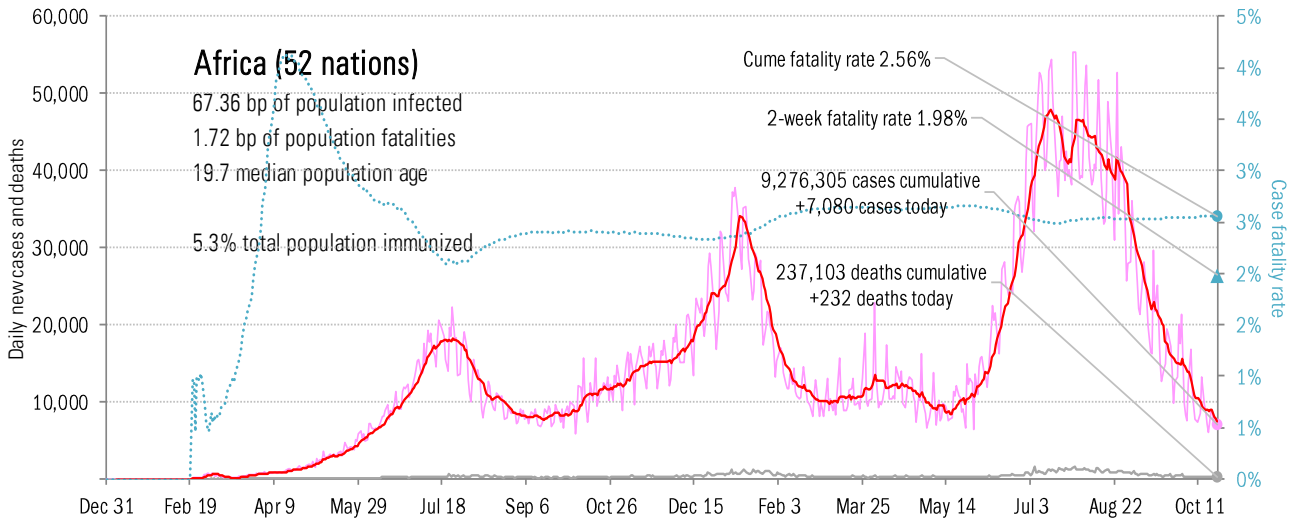
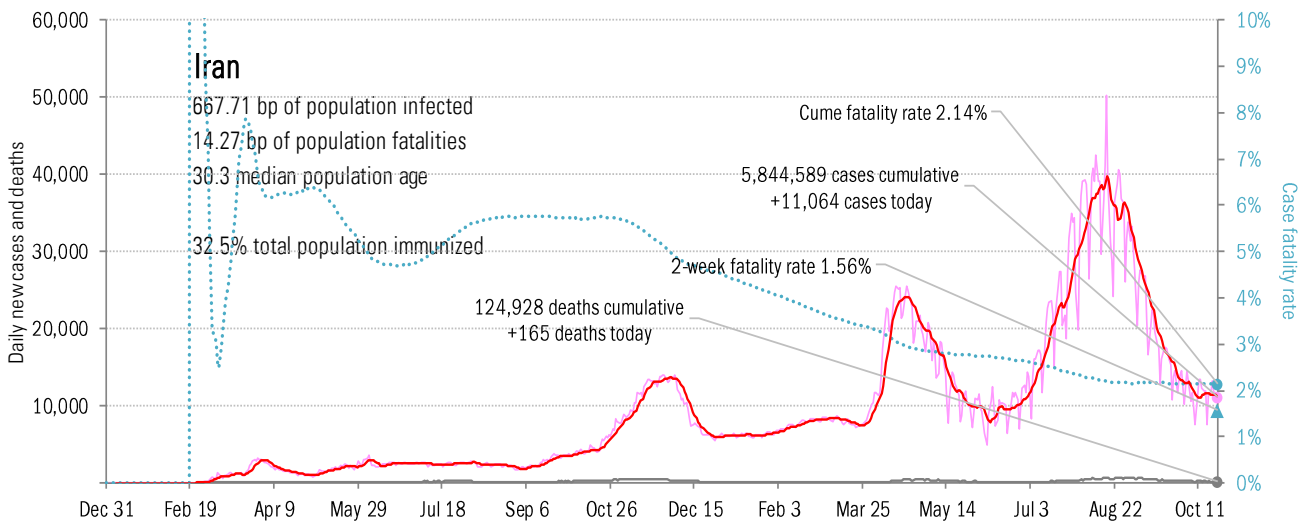
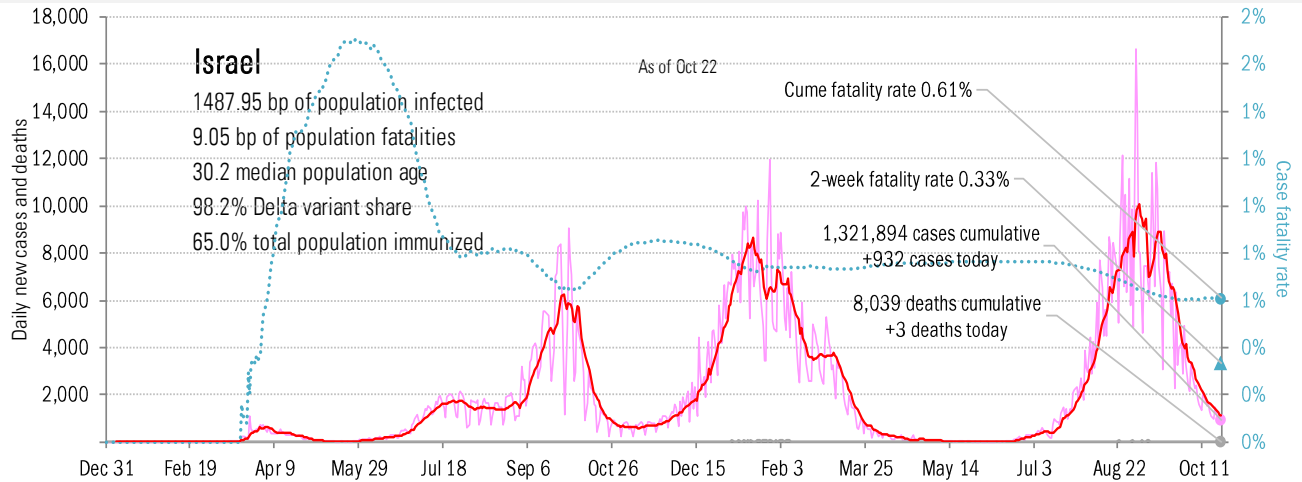
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

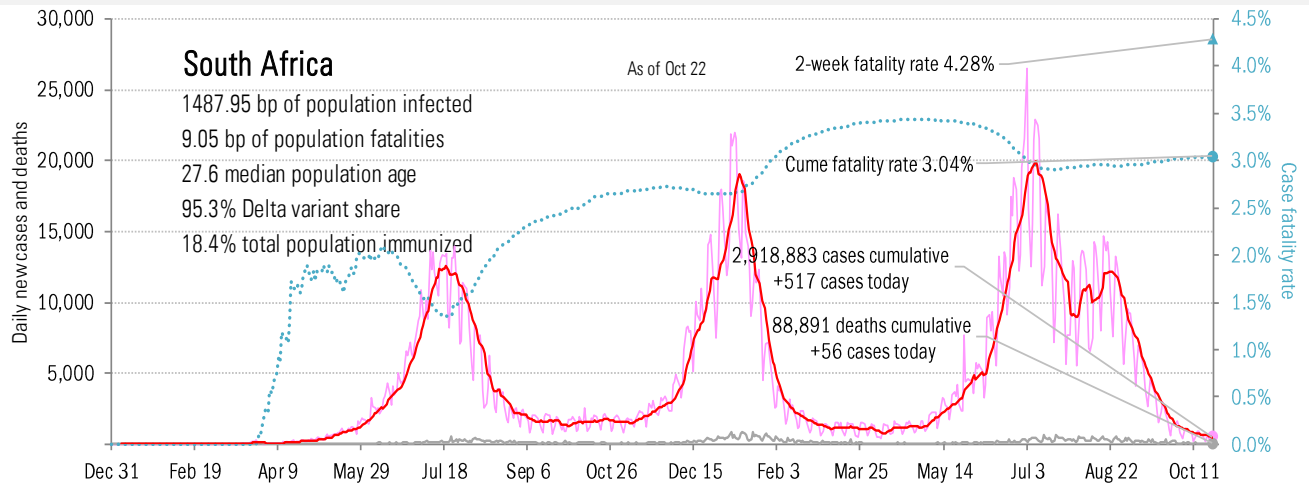
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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