

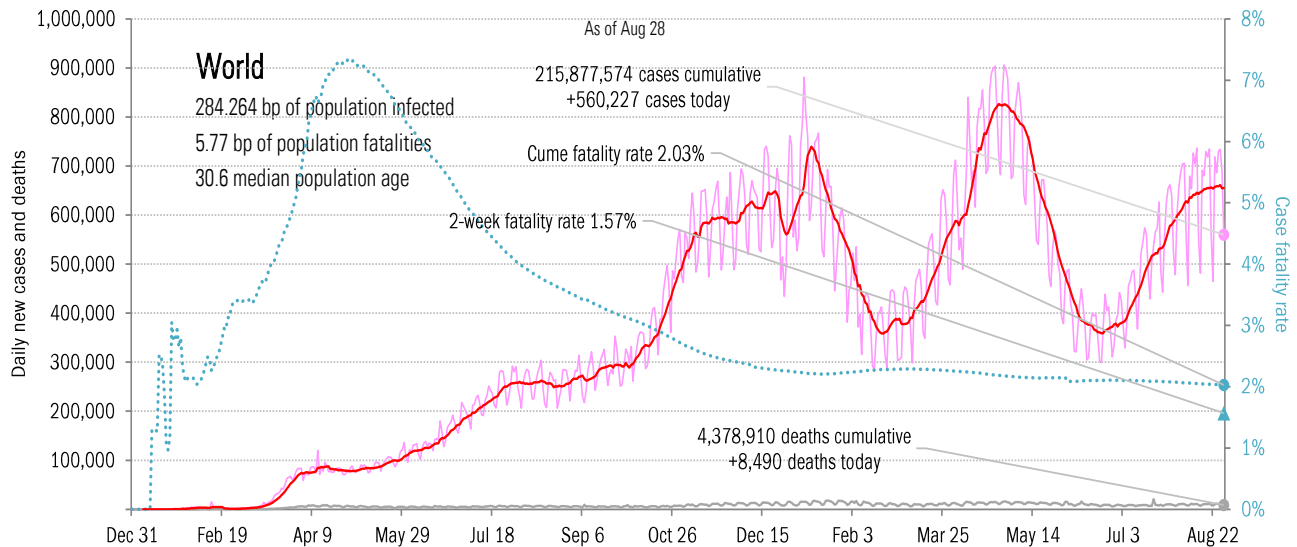
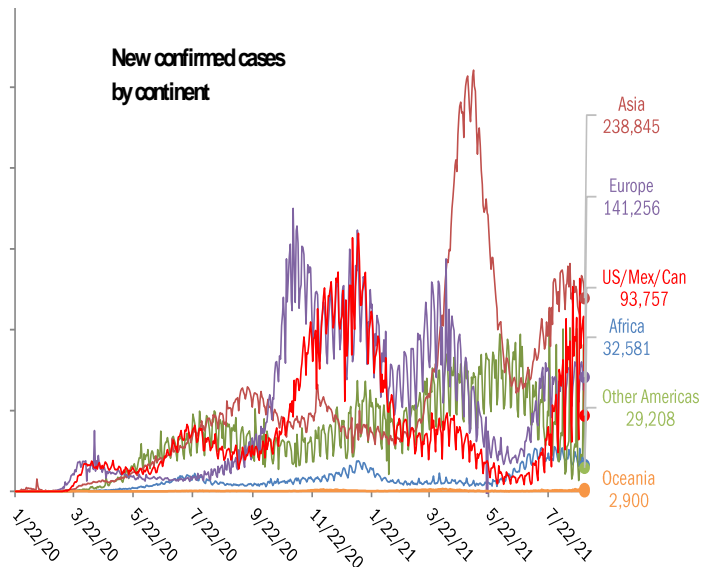
Data Insights: Covid-2019 Monitor

Sunday, August 29, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+74,749	Russia	+775
India	+45,083	Mexico	+756
France	+35,383	Brazil	+684
United Kingdom	+32,142	Iran	+614
Iran	+26,034	Indonesia	+591
Brazil	+24,699	United States	+534
Japan	+22,748	India	+460
Malaysia	+22,597	Vietnam	+352
Philippines	+19,239	Thailand	+292
Russia	+18,986	South Africa	+274
+321,660		+5,332	
World	+560,227	World	+8,490
Top ten	57%	Top ten	63%



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

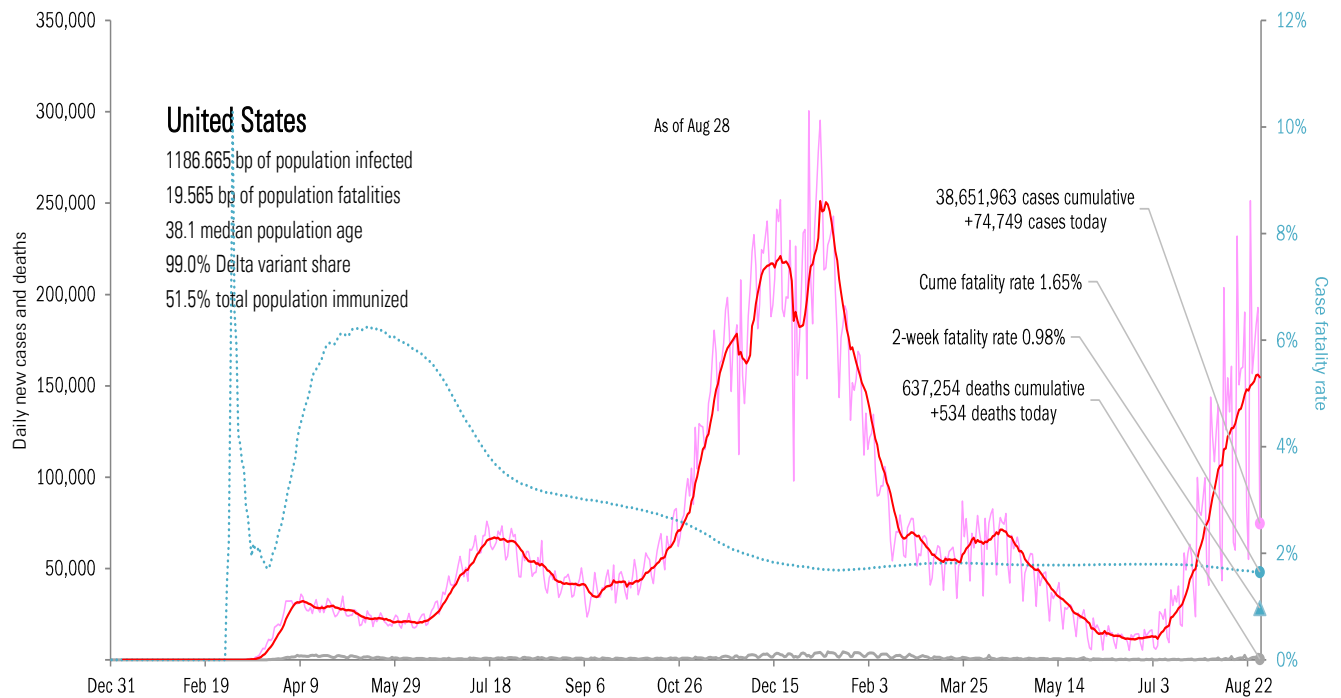
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+21,680		FL	+378		GA	+142		CA	4,318,553		CA	65,690		TX	315,405		RI	89%	AL	103%
CA	+9,416		TX	+232		TN	+78		TX	3,566,549		TX	56,577		CA	275,924		GA	87%	FL	94%
TX	+9,212		AL	+66		KY	+72		FL	3,114,849		NY	54,159		FL	272,120		MA	86%	GA	94%
AL	+6,190		CA	+61		IL	+60		NY	2,262,893		FL	43,074		NY	145,996		MD	85%	TX	93%
CH	+5,204		AZ	+55		VA	+57		IL	1,508,005		PA	28,205		GA	133,386		FL	85%	MS	92%
AZ	+3,893		PA	+25		CR	+53		GA	1,369,926		NJ	26,844		PA	97,564		MO	84%	AR	91%
PA	+3,283		AR	+18		WV	+45		PA	1,291,324		IL	26,322		CH	96,407		PA	83%	LA	91%
MO	+2,450		NJ	+18		PA	+44		CH	1,207,932		GA	22,553		KY	92,550		SC	82%	OK	89%
NY	+2,357		MO	+14		CK	+36		NC	1,189,296		MI	21,520		IL	91,894		NV	81%	MO	89%
AR	+2,166		MD	+12		ID	+33		NJ	1,086,480		CH	20,799		MI	77,531		CT	81%	RI	88%
+65,851			+879			+620			20,915,807			365,743			1,598,777						
All states	+74,749		+912			+193			All states	38,651,963		637,254			2,828,743			All states	70%	67%	
Top ten	88%		96%			321%			Top ten	54%		57%			57%			Median	76%	79%	

Some states not reporting

Five most improved US states

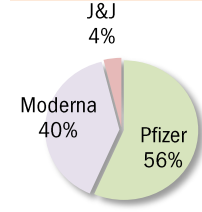
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-13,263	MI	-74	FL	-265	GA	+30 bp
GA	-11,084	CH	-70	TX	-220	LA	+30 bp
NC	-8,105	FL	-66	CA	-71	MP	+30 bp
TN	-7,635	MS	-65	LA	-65	AL	+20 bp
SC	-6,830	GA	-61	IN	-52	AR	+20 bp



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

Rolling out the vaccines in the US and the world

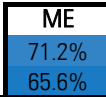
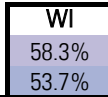
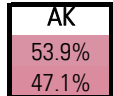
Administered	Cumulative		Today		Immunity	Full	Partial
Doses	One dose	% Pop	Immune	% pop	New immune today	US	
	378,222,570				+1.102 million	51.5%	60.7%
Total population	208,927,381	63%	177,532,943	53%	+0.462 million	UK	62.3%
Age 12 to 17	12,324,278	52%	9,289,634	39%	+0.080 million	France	57.7%
Age 18 to 64	143,690,866	71%	121,227,233	60%	+0.328 million	Spain	69.4%
Age 65 and over	51,898,083	95%	46,187,192	84%	+0.053 million	Germany	59.6%
						Italy	60.0%
						Australia	26.8%
						Israel	62.2%
						Canada	66.3%
						Japan	43.9%
						Africa	2.6%
						India	10.2%
						Brazil	27.7%
						China	61.6%



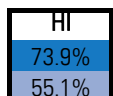
State
At least partial immunity as % population
Full immunity as % population



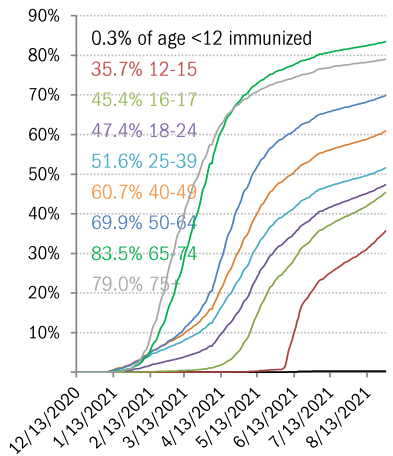
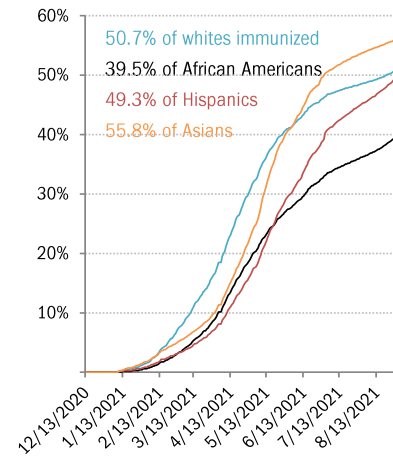
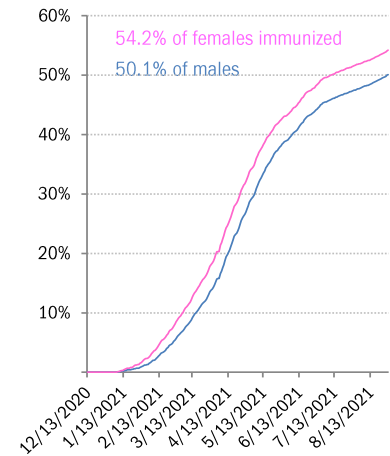
Every American >18 immune in **100 days** by Dec 5, 2021
 64.8% of population >18 immunized
 13.2% previously tested positive
78.0% vs 60% adult herd immunity



WA: 67.5% / 59.9%	ID: 44.0% / 39.0%	MT: 52.1% / 45.9%	ND: 48.0% / 41.5%	MN: 61.6% / 55.7%	IL: 65.6% / 50.9%	MI: 55.1% / 50.3%	NY: 67.0% / 59.8%	VT: 75.9% / 67.7%	NH: 66.9% / 59.6%	
OR: 63.7% / 57.8%	NV: 57.6% / 47.4%	WY: 44.9% / 38.4%	SD: 55.9% / 48.9%	IA: 56.1% / 51.5%	IN: 49.9% / 46.1%	OH: 52.3% / 48.2%	PA: 69.1% / 54.9%	NJ: 69.6% / 61.1%	MA: 75.1% / 65.7%	
CA: 68.6% / 55.6%	UT: 56.2% / 47.5%	CO: 63.1% / 56.7%	NE: 57.2% / 51.7%	MO: 52.5% / 44.9%	KY: 56.6% / 48.2%	WV: 47.0% / 39.6%	VA: 65.0% / 56.9%	MD: 67.9% / 61.2%	CT: 73.3% / 65.7%	RI: 71.2% / 64.5%
	AZ: 56.4% / 47.6%	NM: 69.5% / 59.7%	KS: 57.0% / 47.9%	AR: 52.9% / 41.0%	TN: 49.1% / 41.5%	NC: 55.3% / 46.0%	SC: 51.2% / 43.0%	DC: 67.2% / 57.1%	DE: 63.8% / 55.0%	
			OK: 52.9% / 43.4%	LA: 49.3% / 41.2%	MS: 46.3% / 37.7%	AL: 49.3% / 37.7%	GA: 50.8% / 41.2%			
			TX: 56.8% / 47.0%					FL: 63.4% / 52.4%		PR: 73.5% / 62.6%



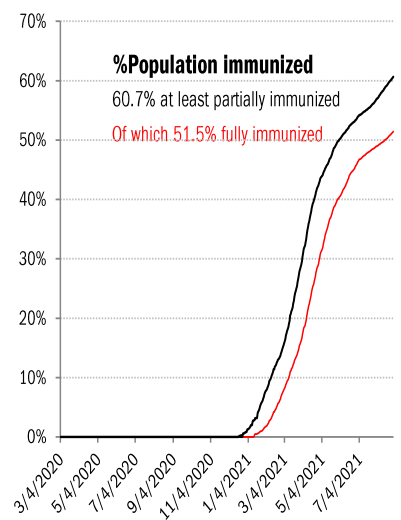
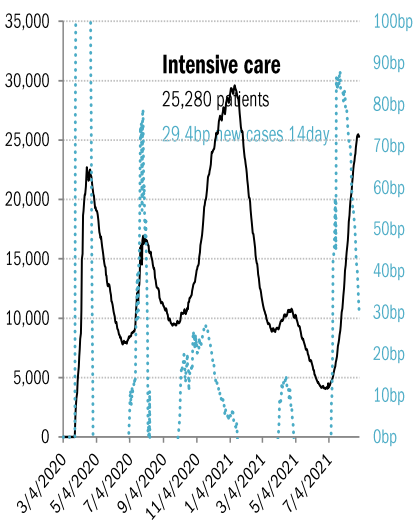
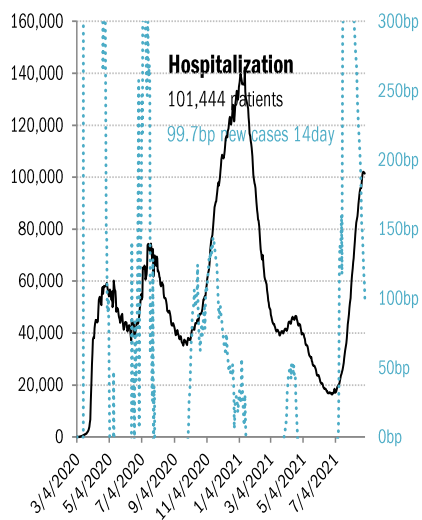
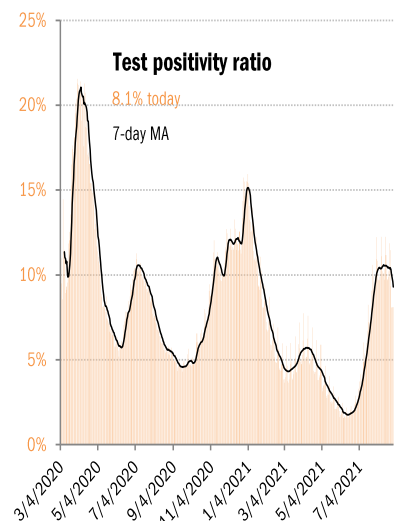
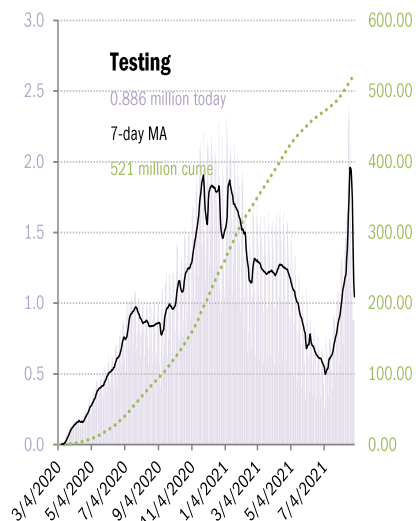
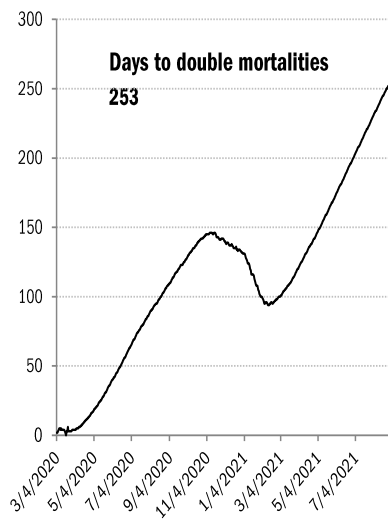
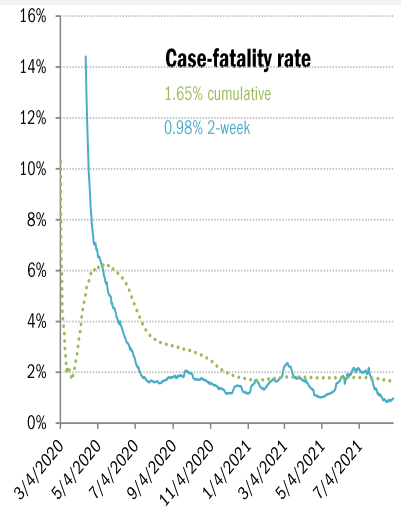
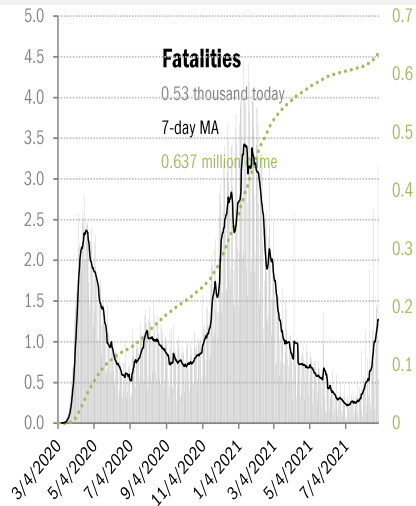
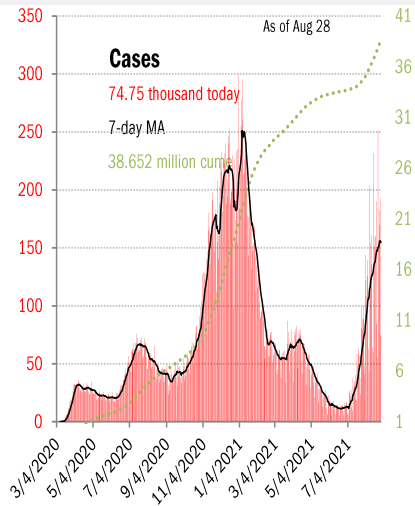
The demographics of US vaccination



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

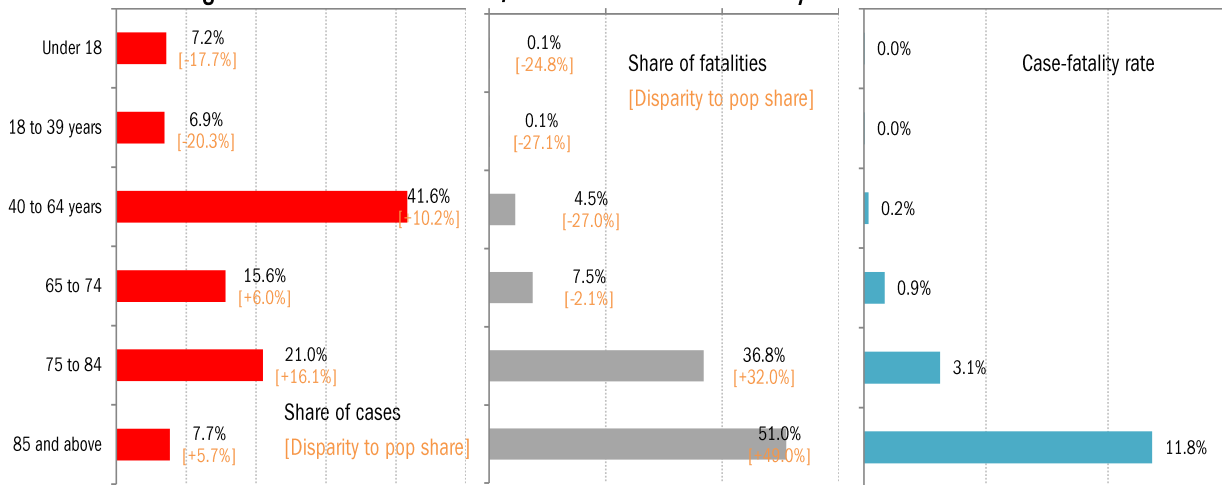
US deep-dive

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

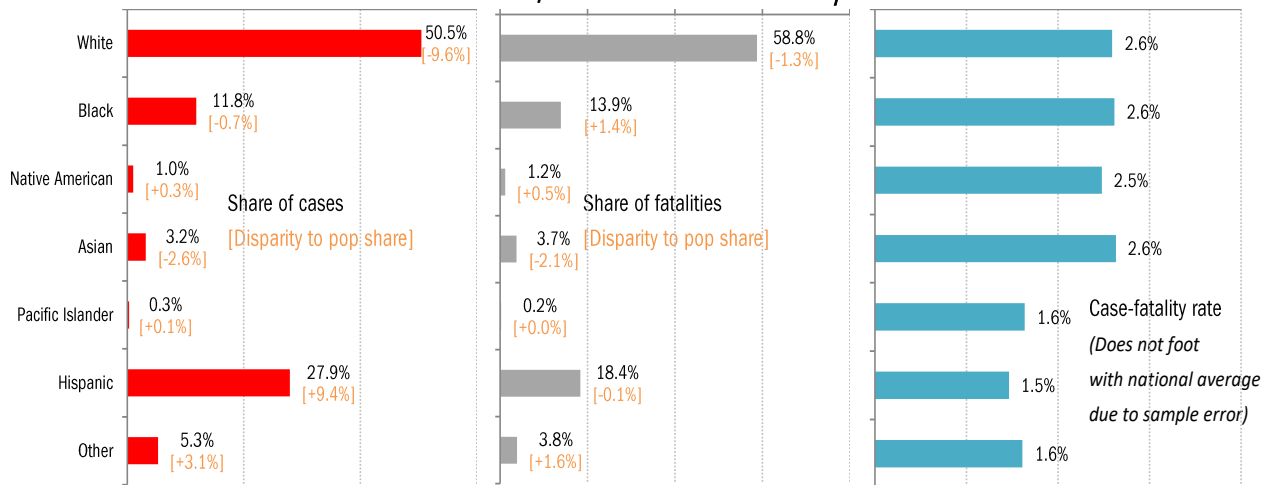


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

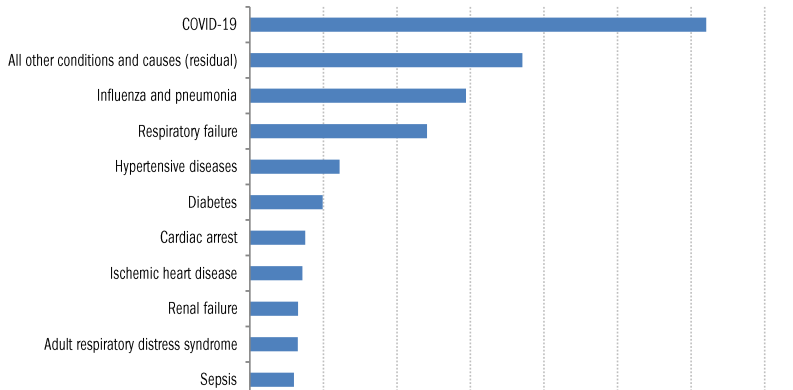


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 22

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

[Comparing SARS-CoV-2 natural immunity to vaccine-induced immunity: reinfections versus breakthrough infections](#)

Sivan Gazit
medRxiv
August 25, 2021

[Big D Is a Big Deal](#)

Joel KotkinCullum Clark
City Journal
Summer 2021

[‘Natural Immunity Is Really Better’: New Israeli Study Fuels Debate On Vaccination Versus Natural Immunity](#)

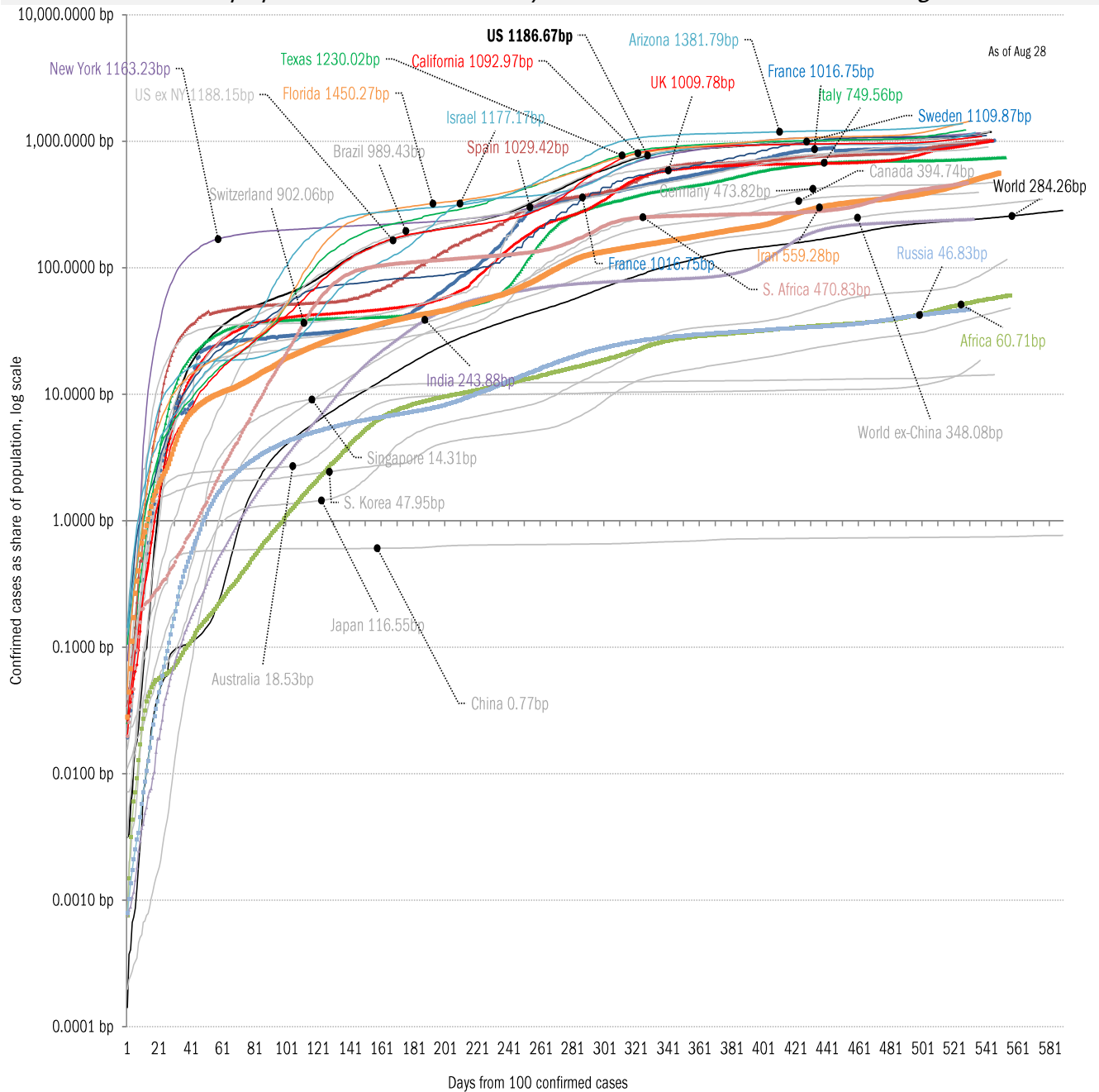
Dylan Housman
Daily Caller
August 28, 2021

Meme of the day



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

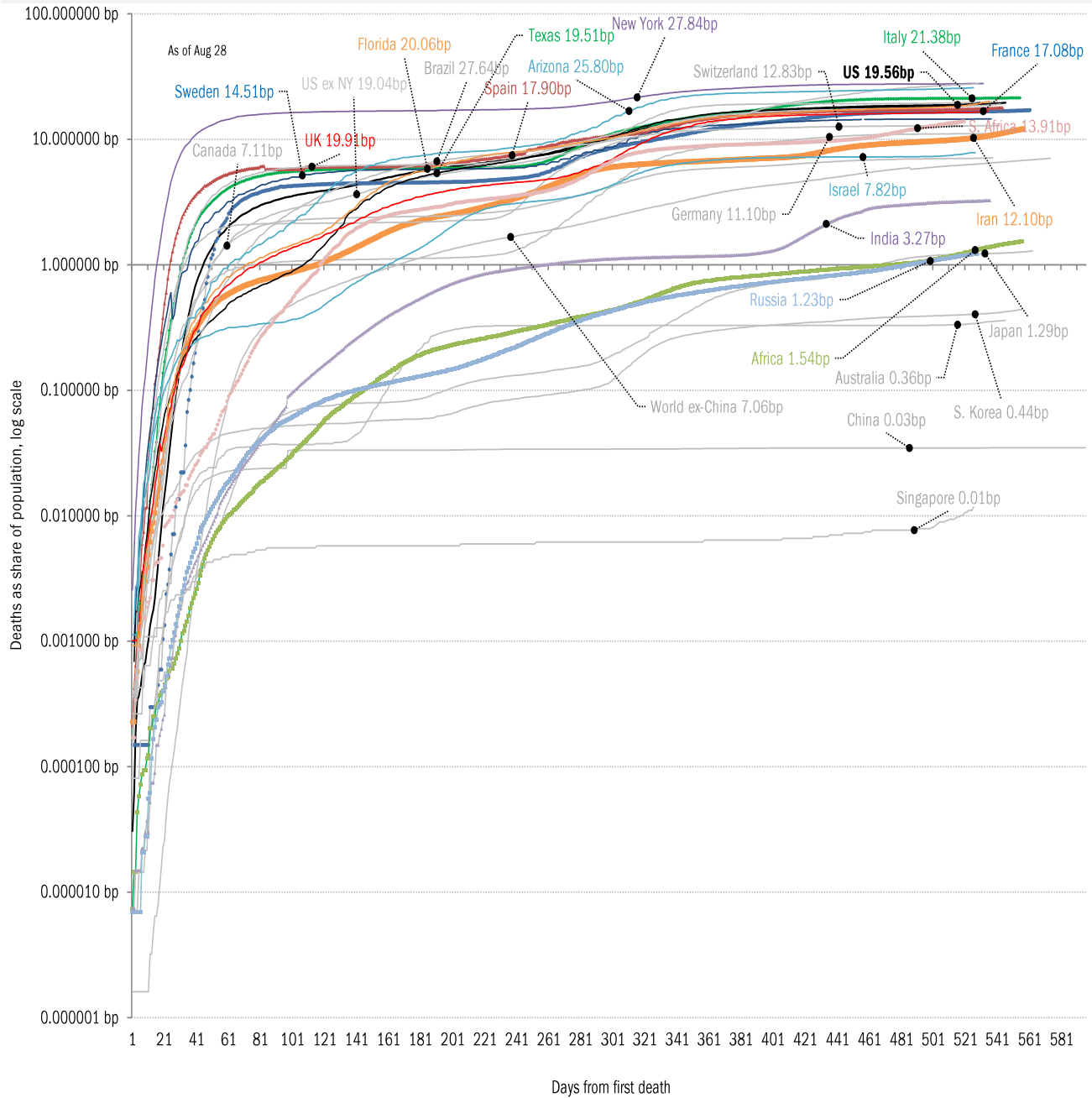
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

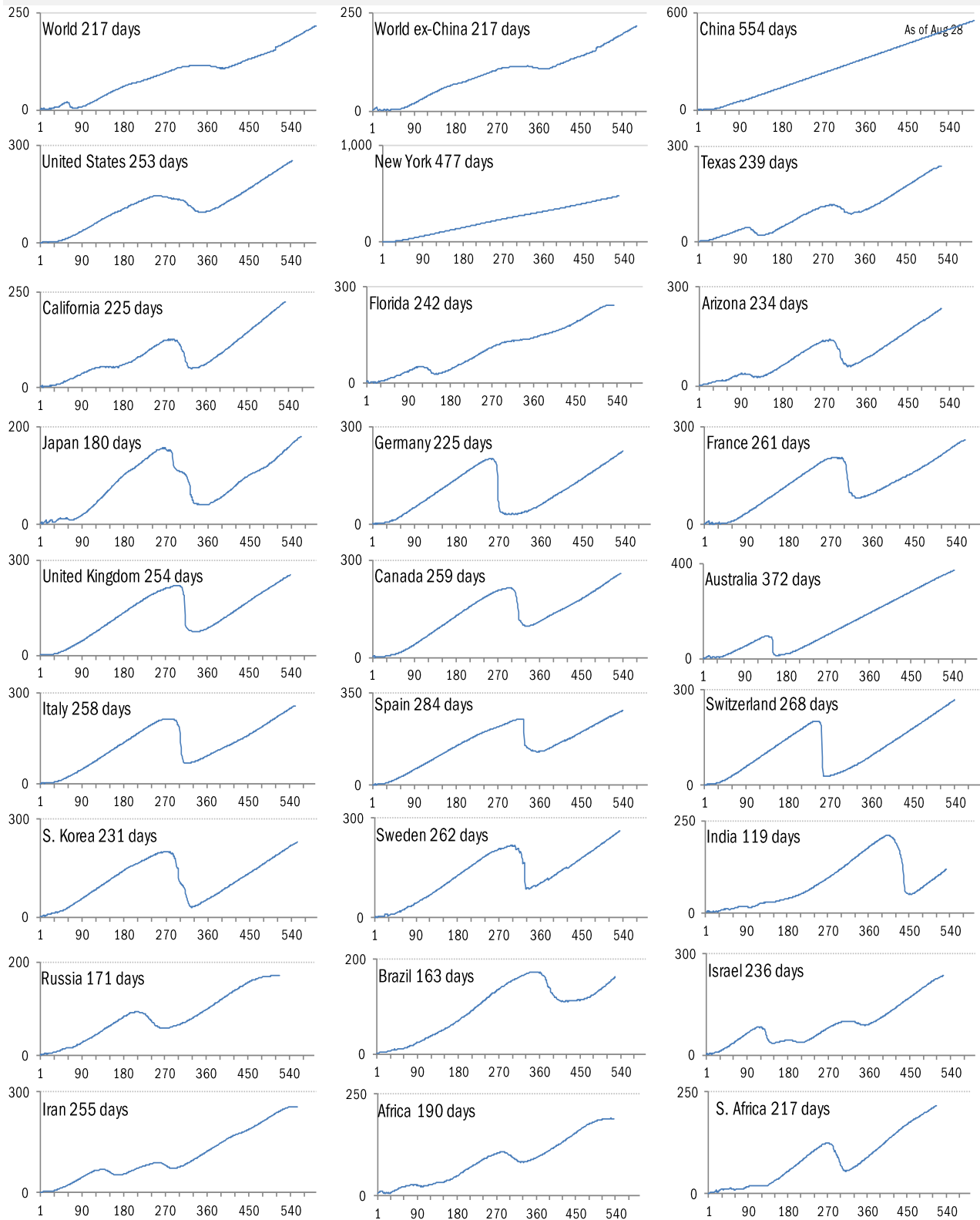


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

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

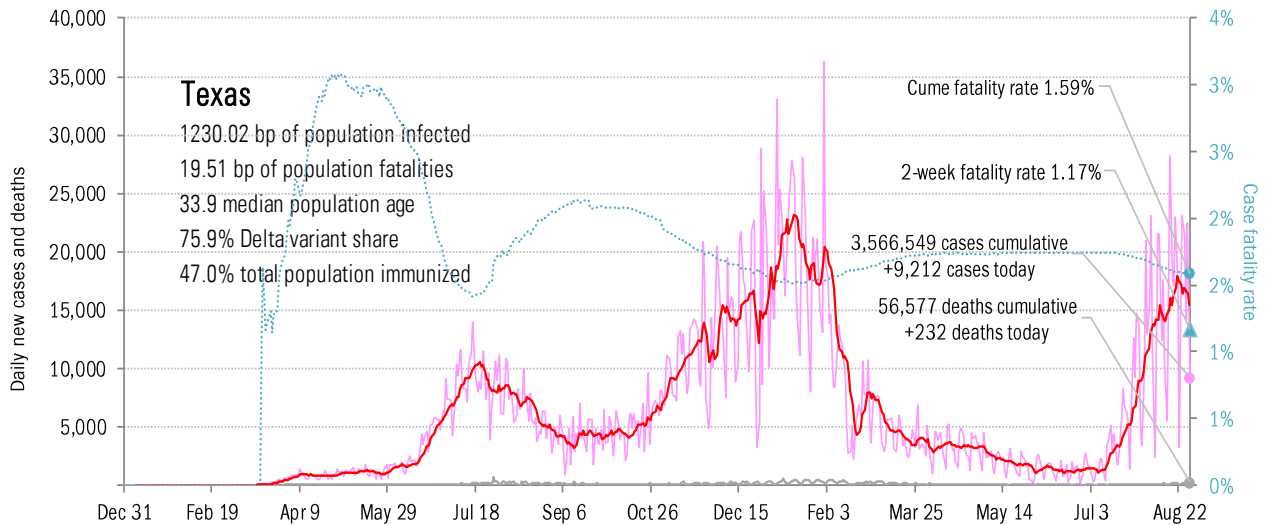
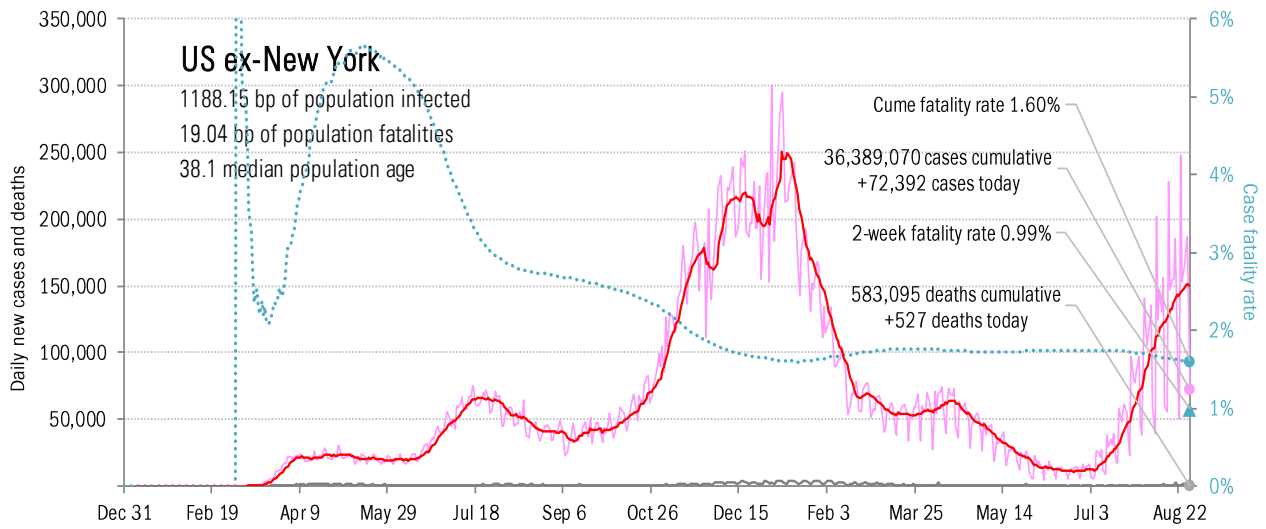
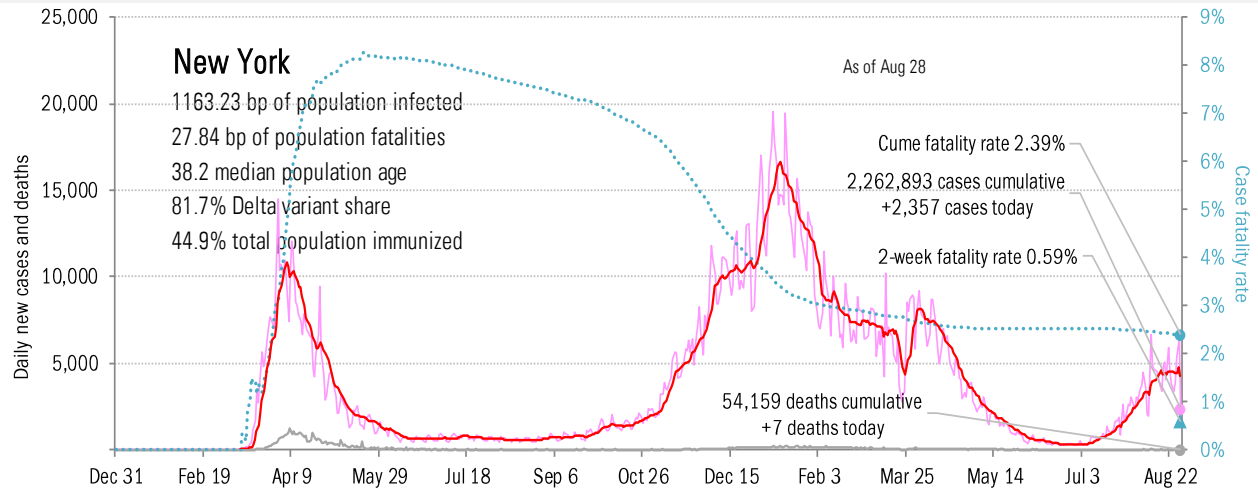
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

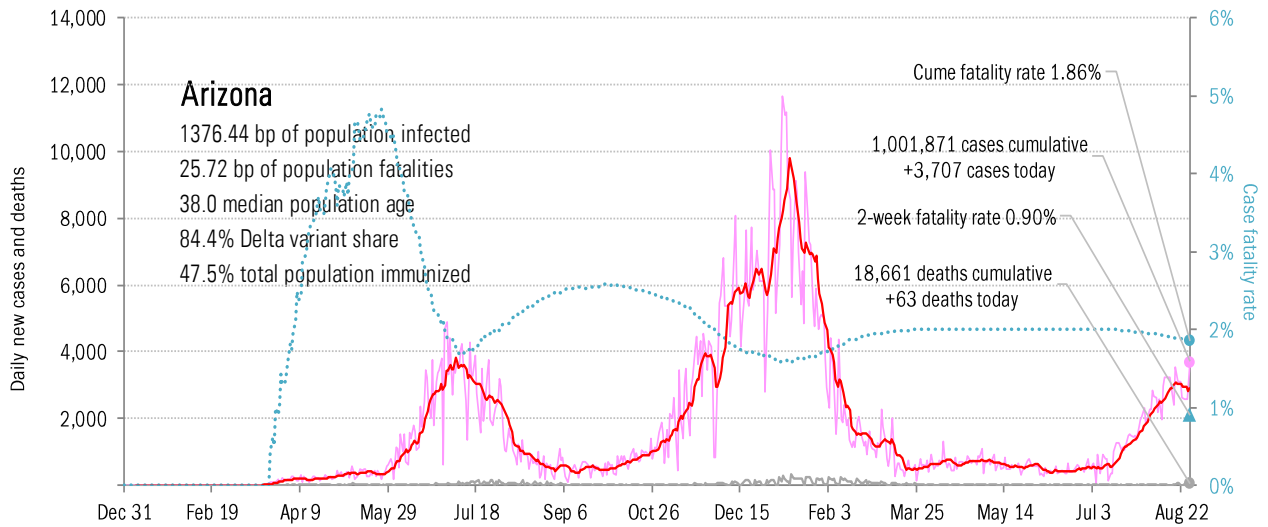
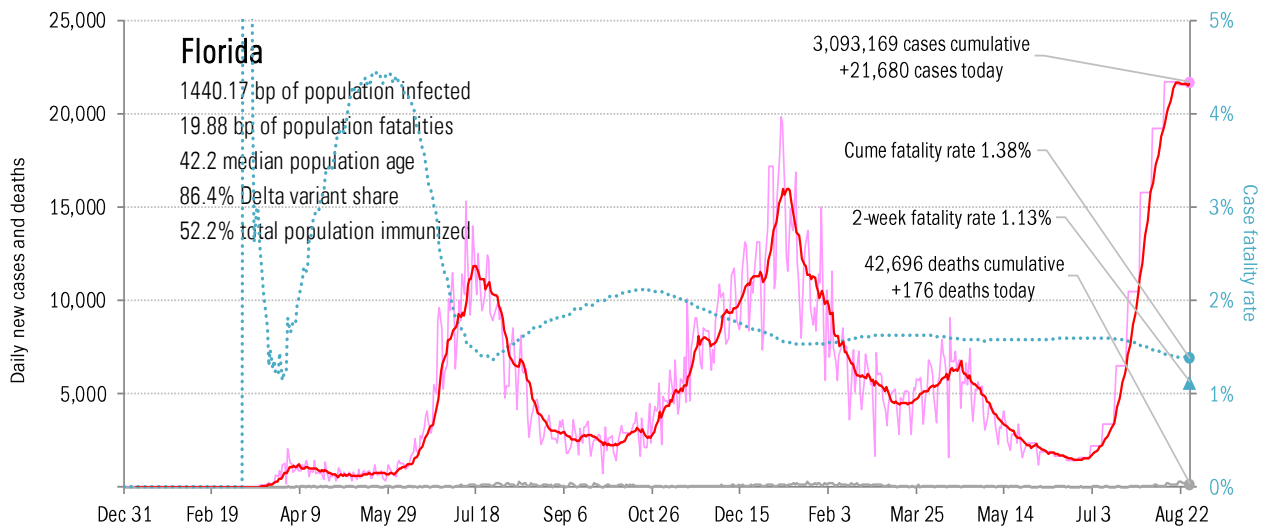
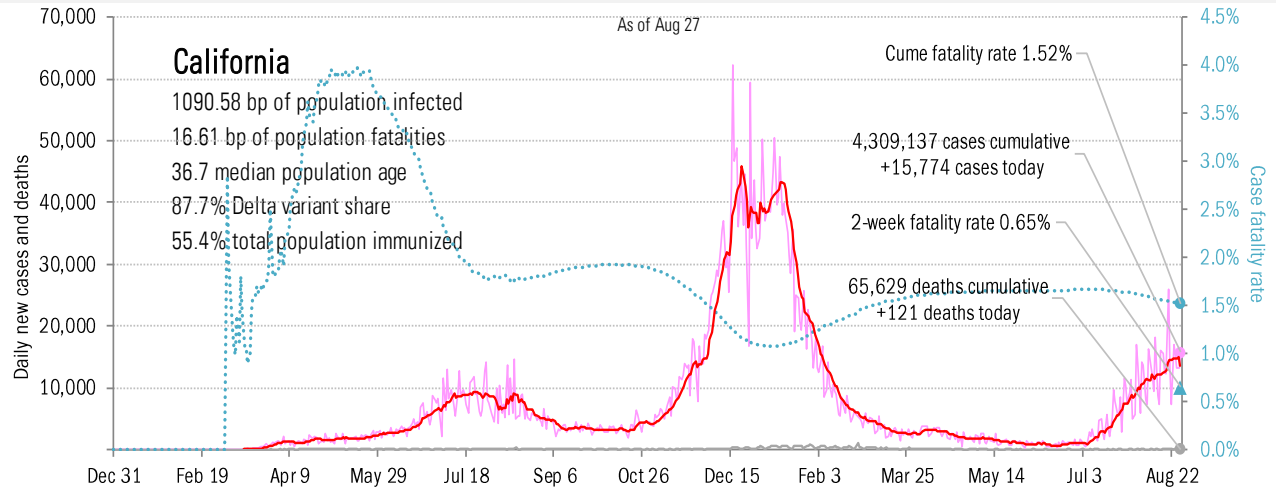
Cases: 7-day average and daily Deaths: Daily



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

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

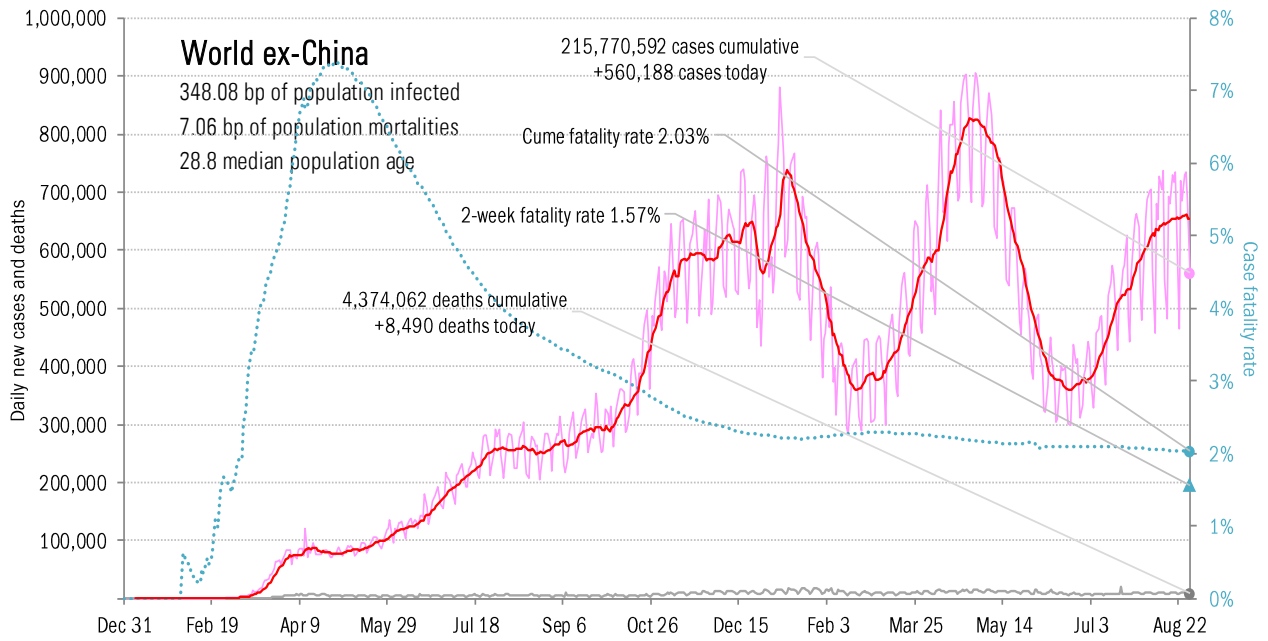
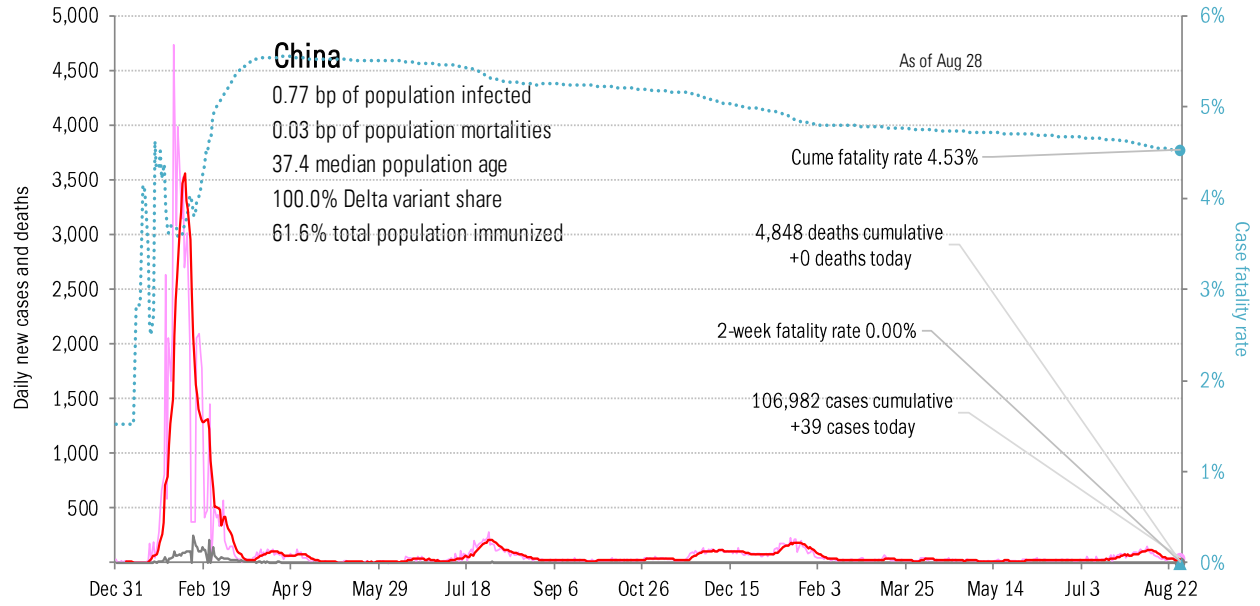
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

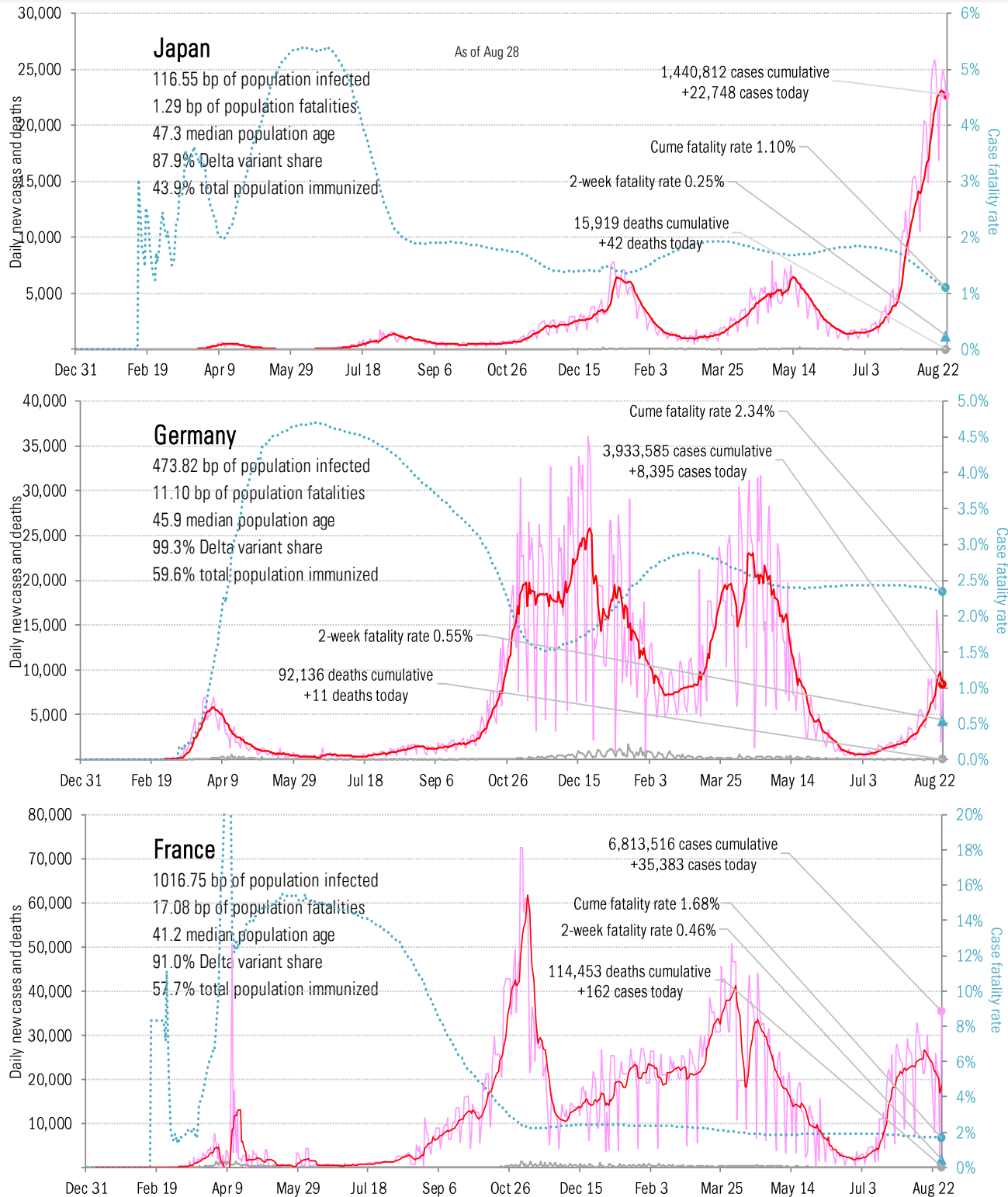
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

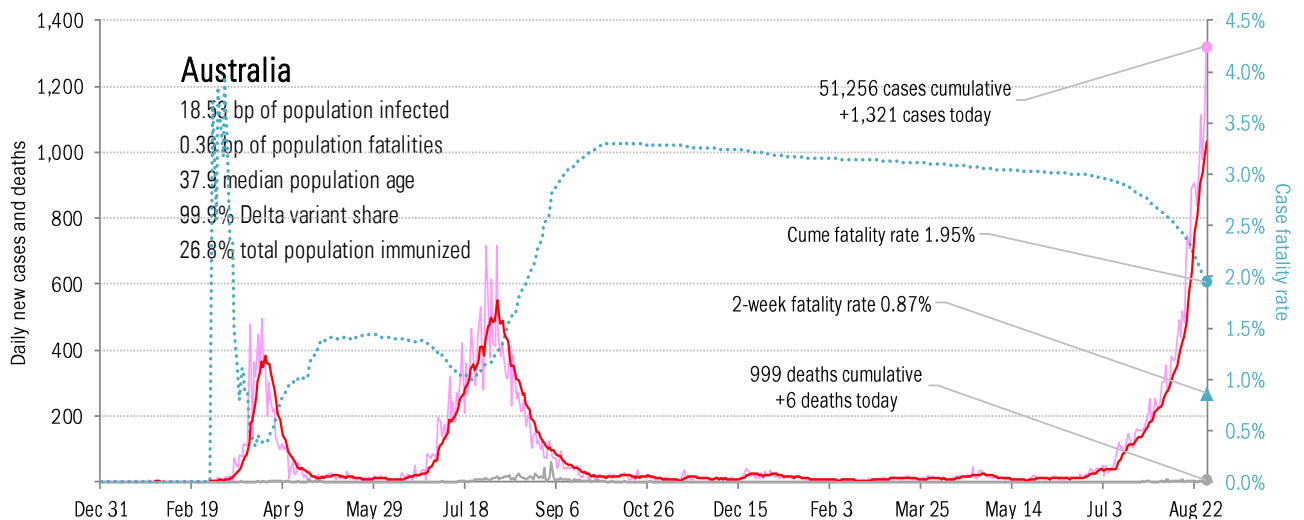
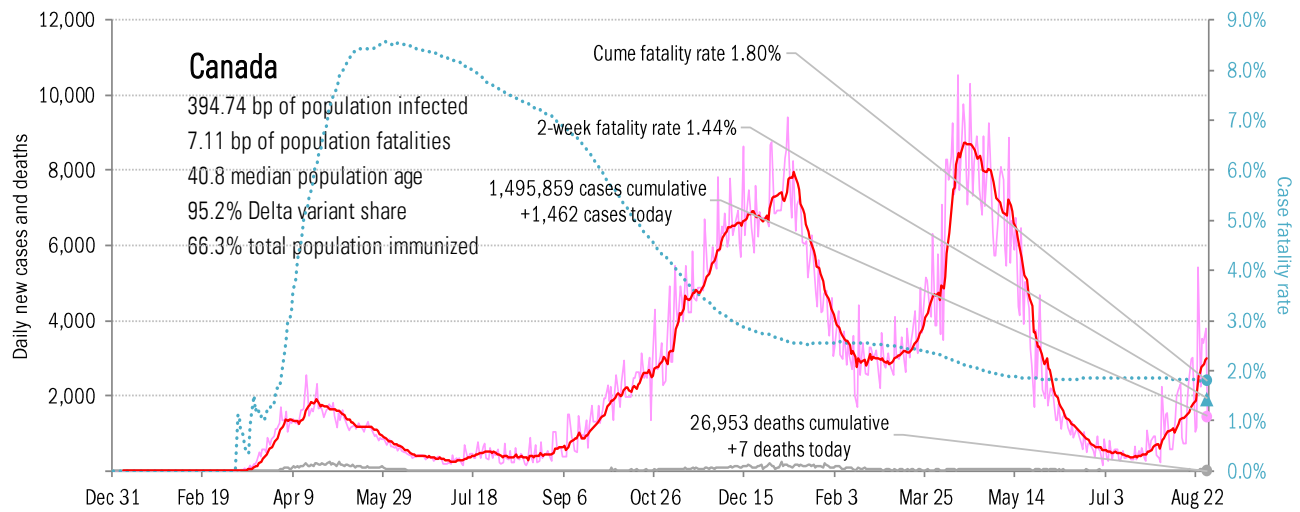
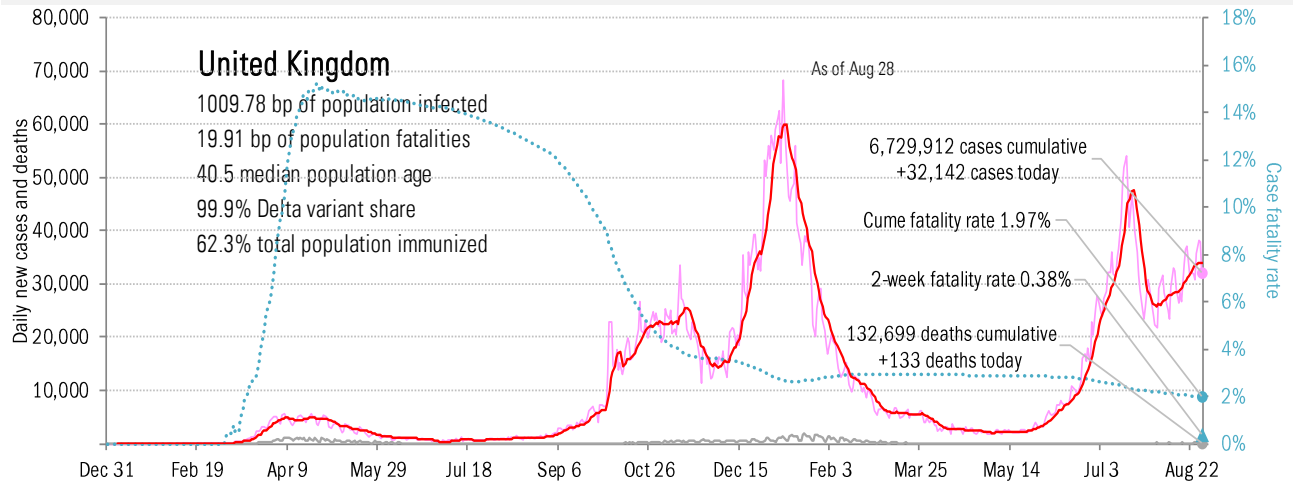
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

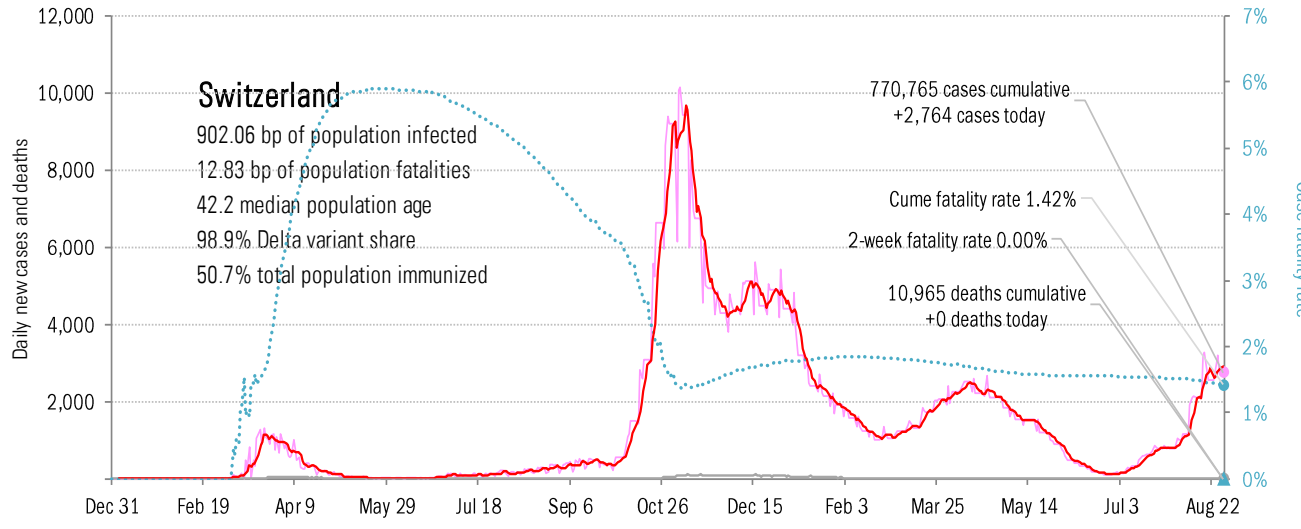
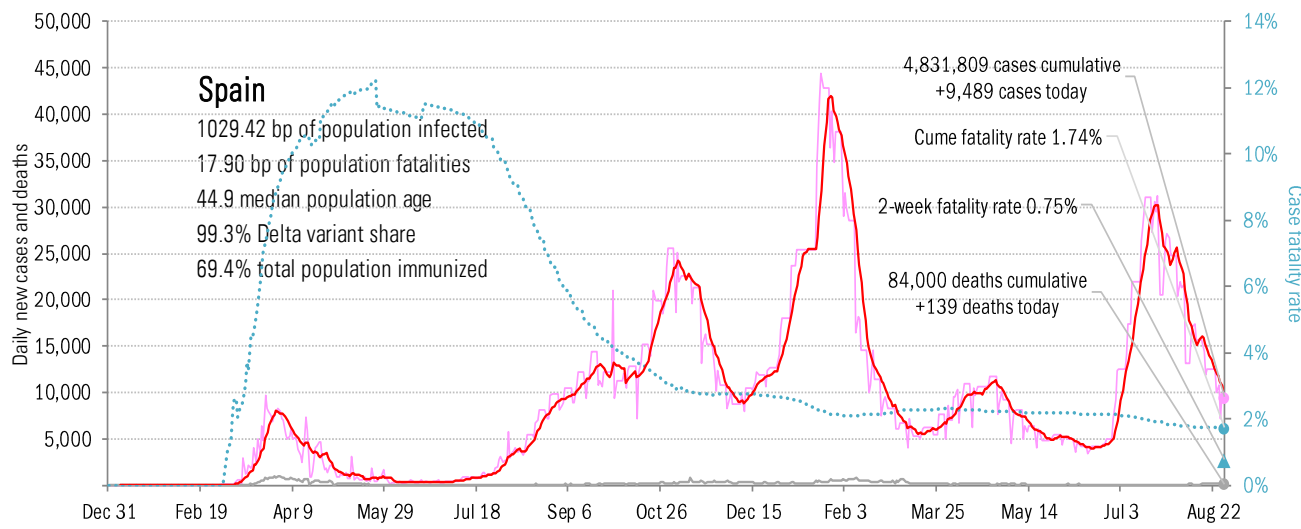
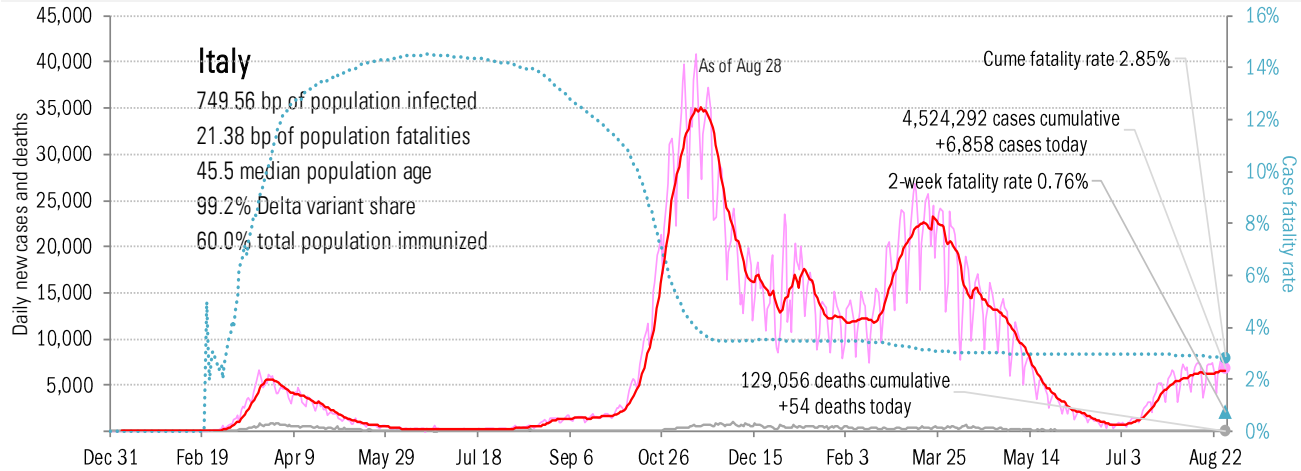
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

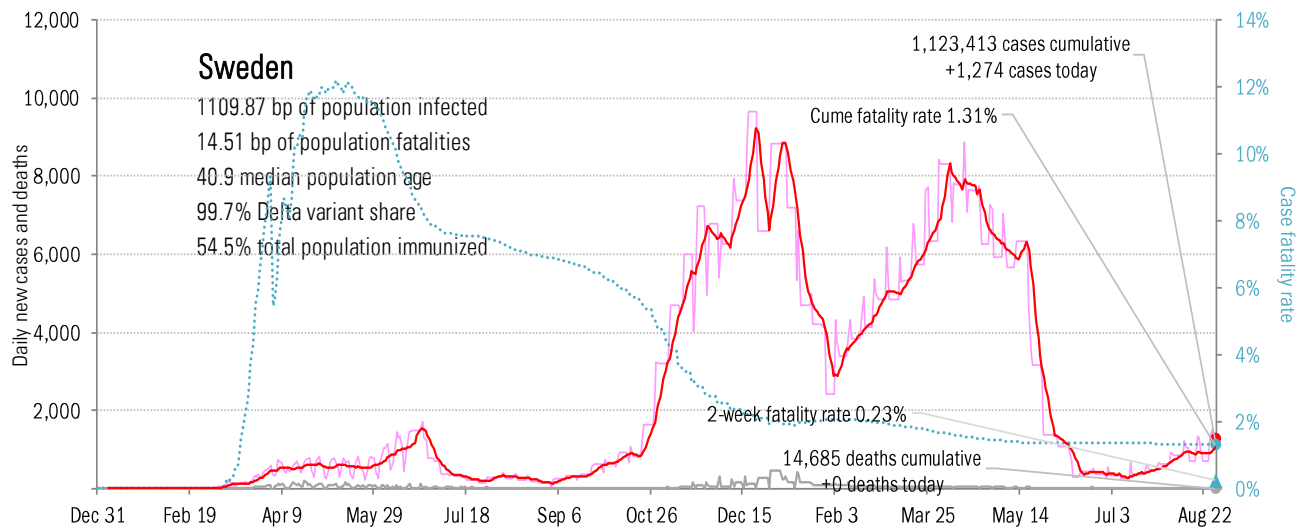
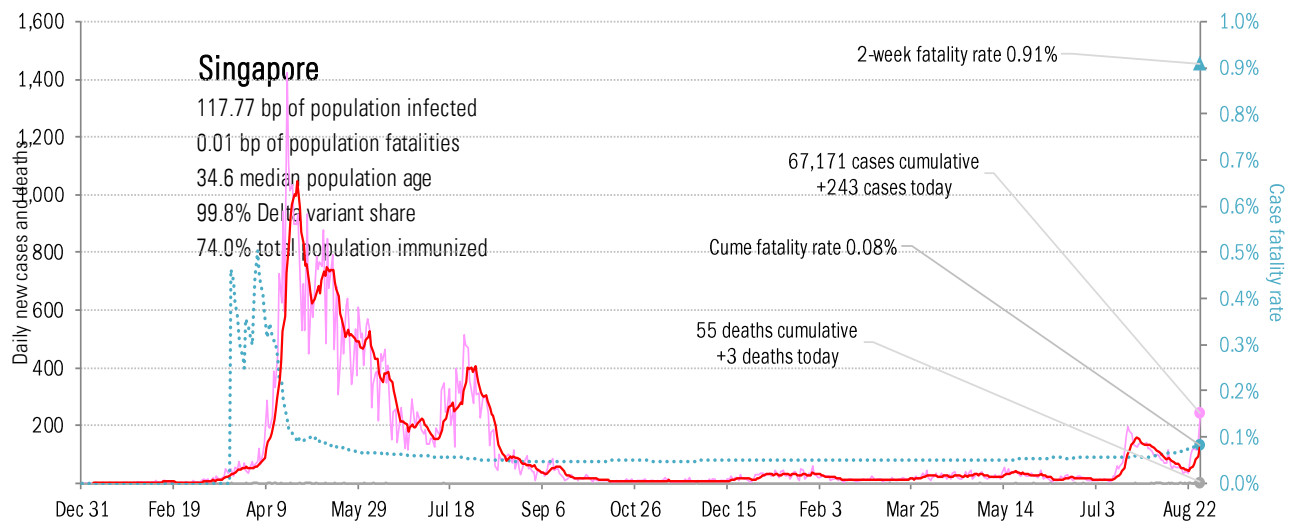
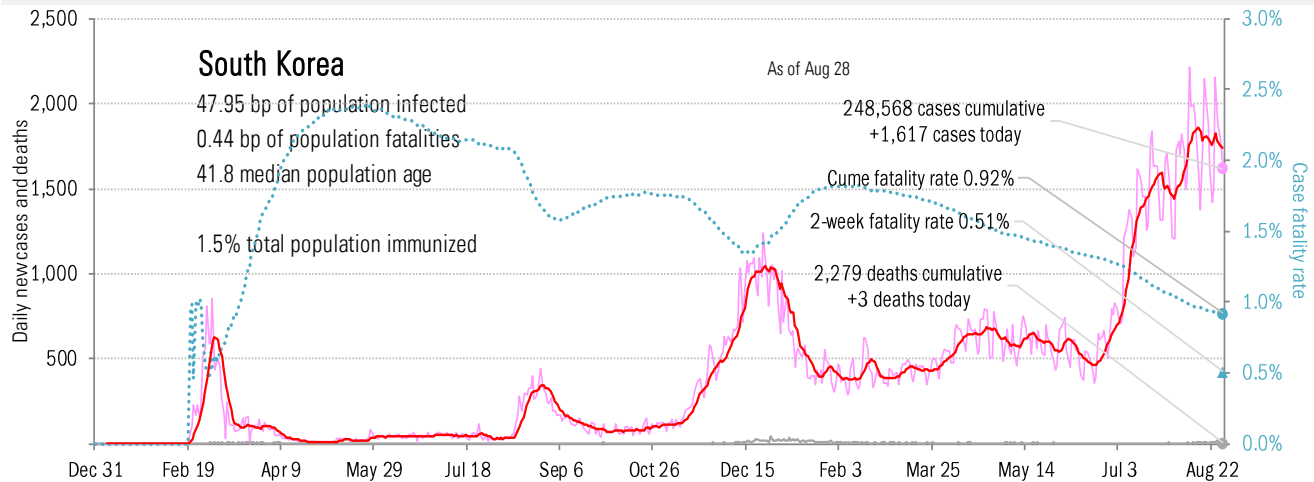
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

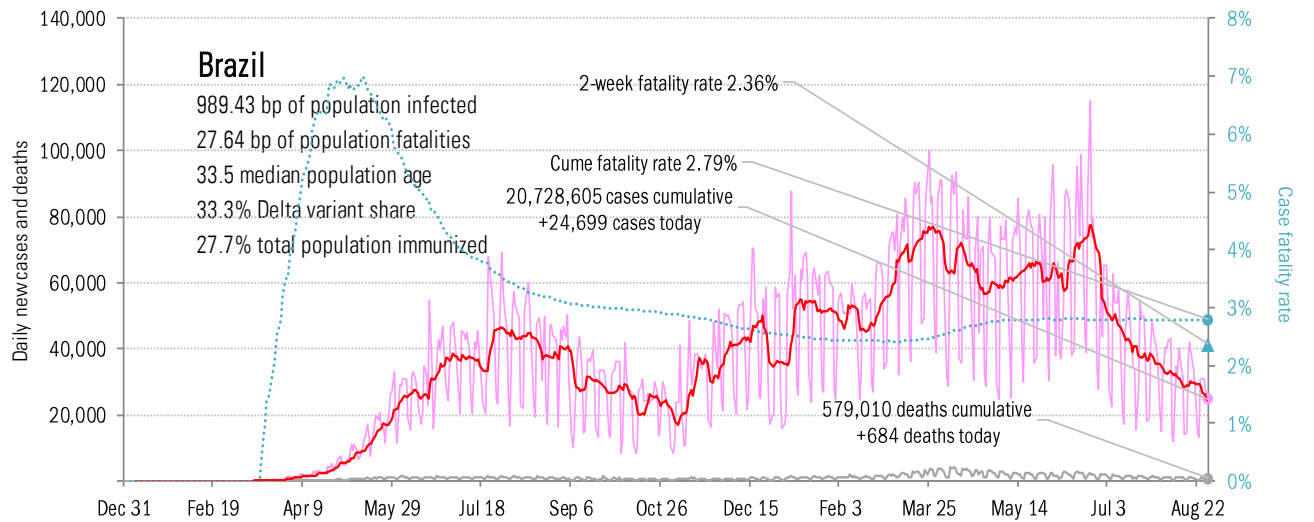
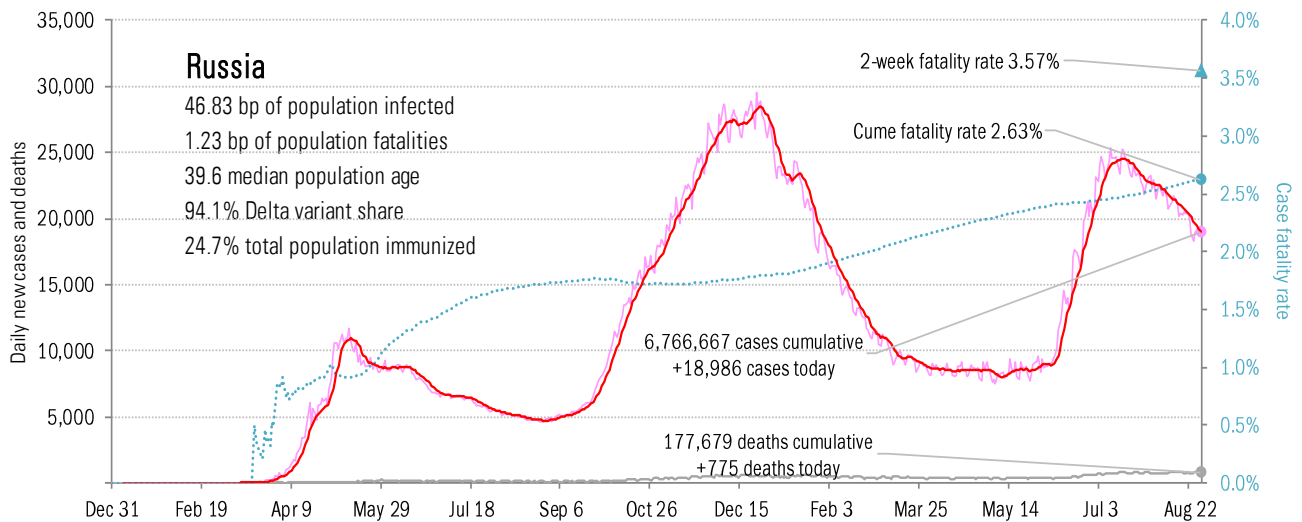
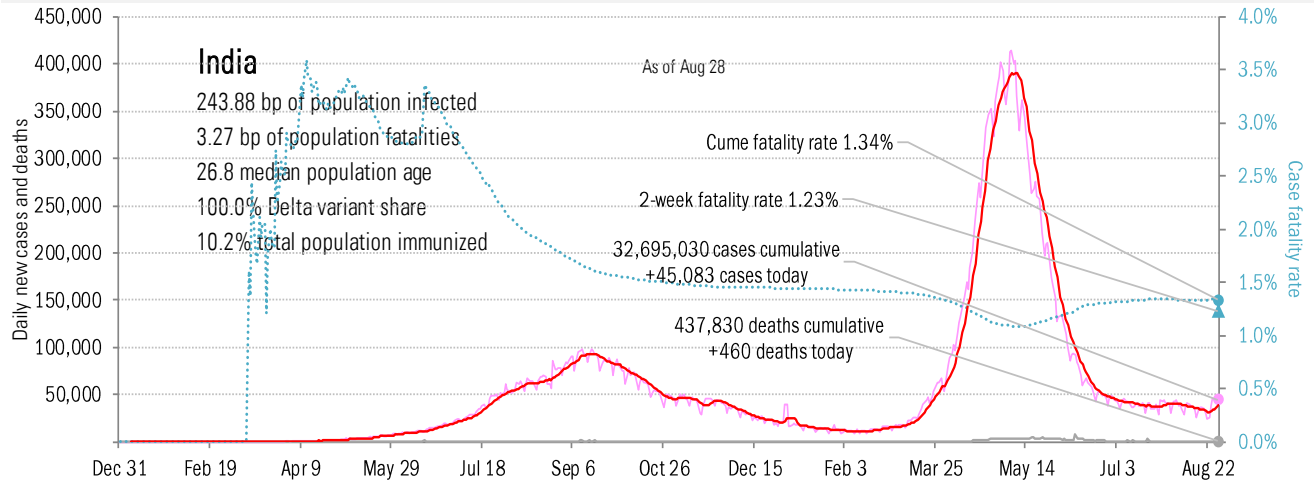
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

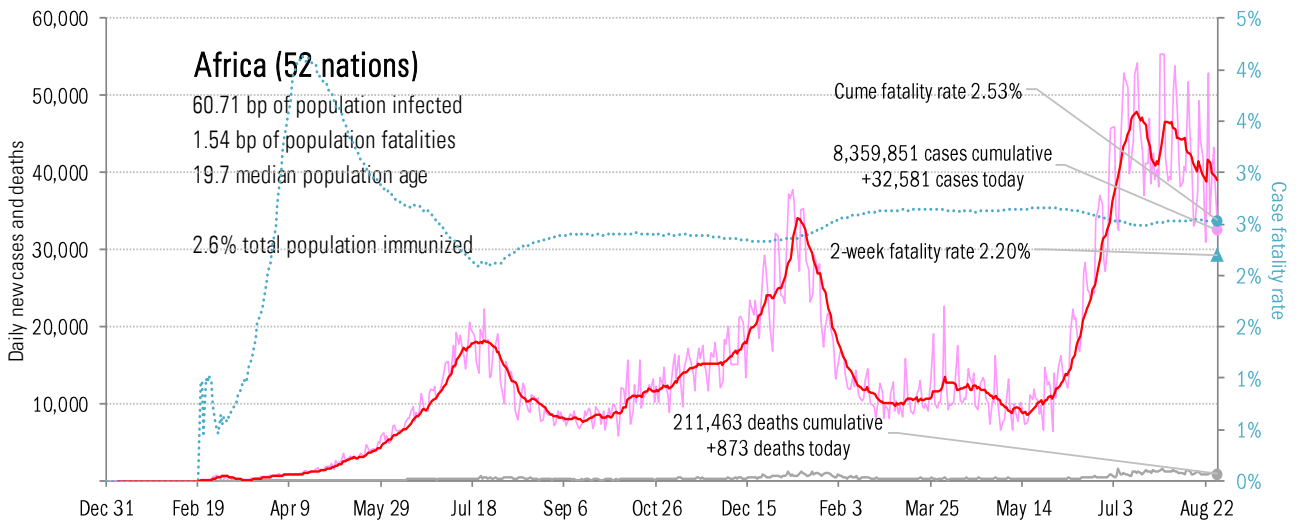
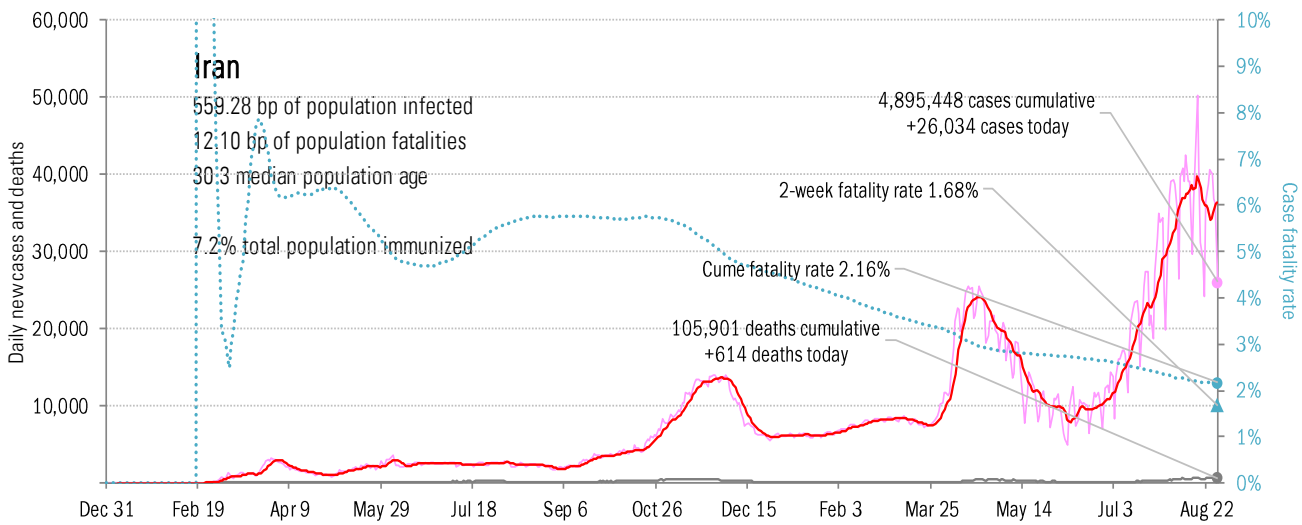
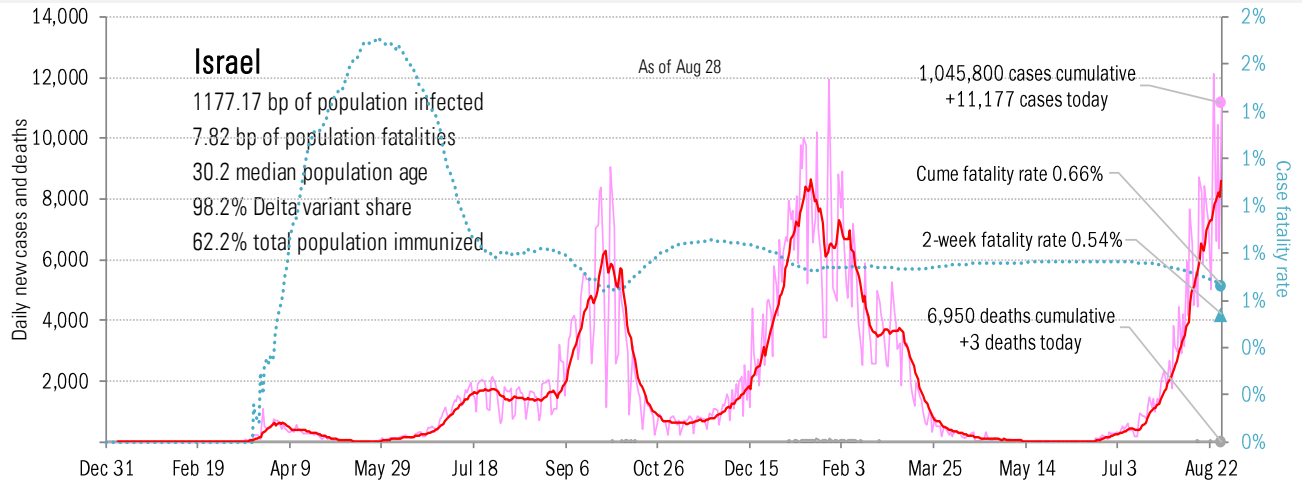
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

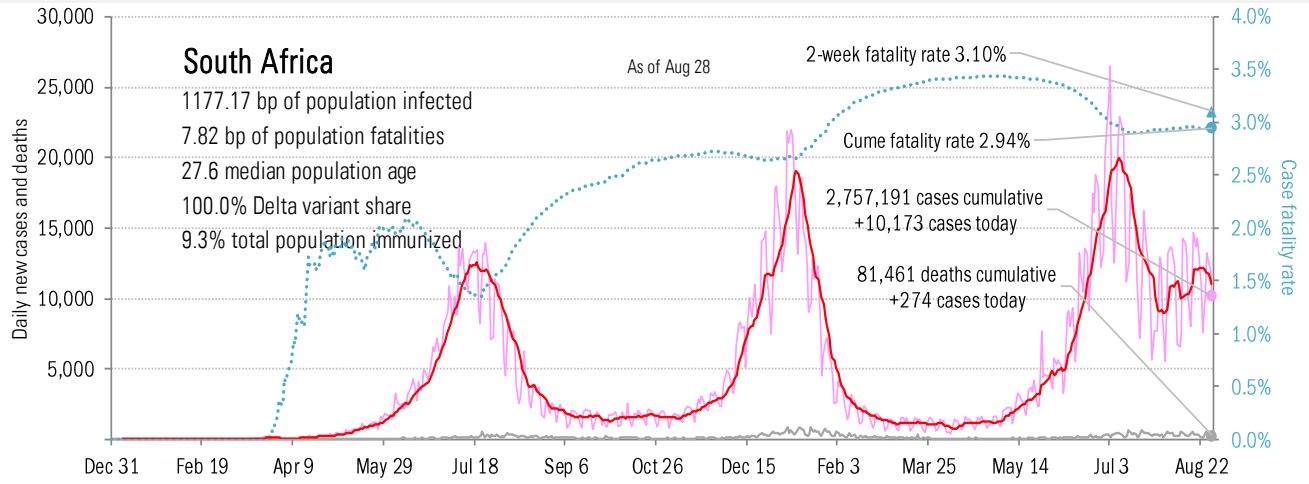
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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