

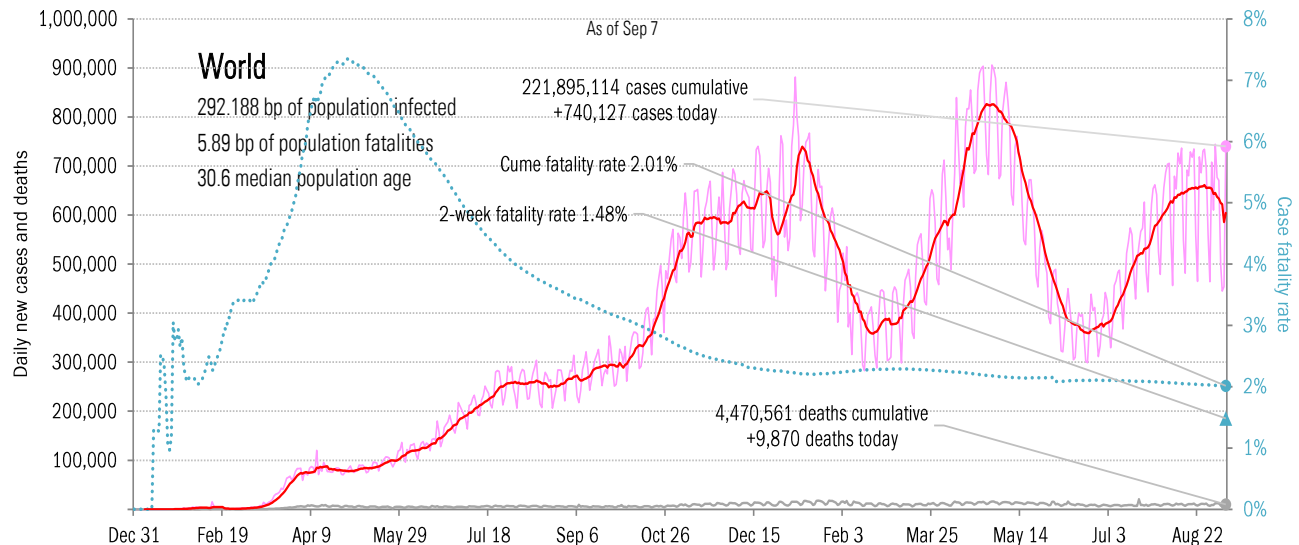
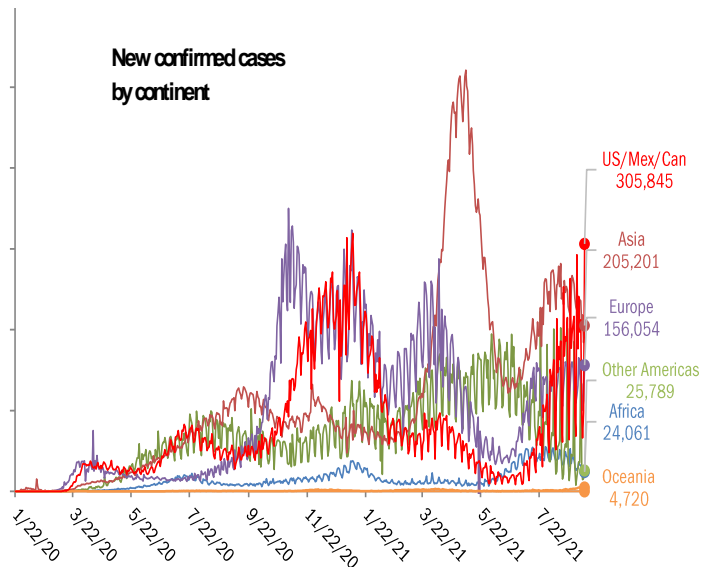
Data Insights: Covid-2019 Monitor

Wednesday, September 8, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+280,140	United States	+1,513
India	+37,875	Mexico	+1,071
United Kingdom	+37,535	Russia	+775
Iran	+27,138	Indonesia	+683
Turkey	+23,638	Iran	+635
Germany	+19,080	India	+369
Malaysia	+18,547	Vietnam	+316
Philippines	+17,977	Malaysia	+311
Russia	+17,060	Brazil	+298
Mexico	+15,784	South Africa	+282
+494,774		+6,253	
World	+740,127	World	+9,870
Top ten	67%	Top ten	63%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

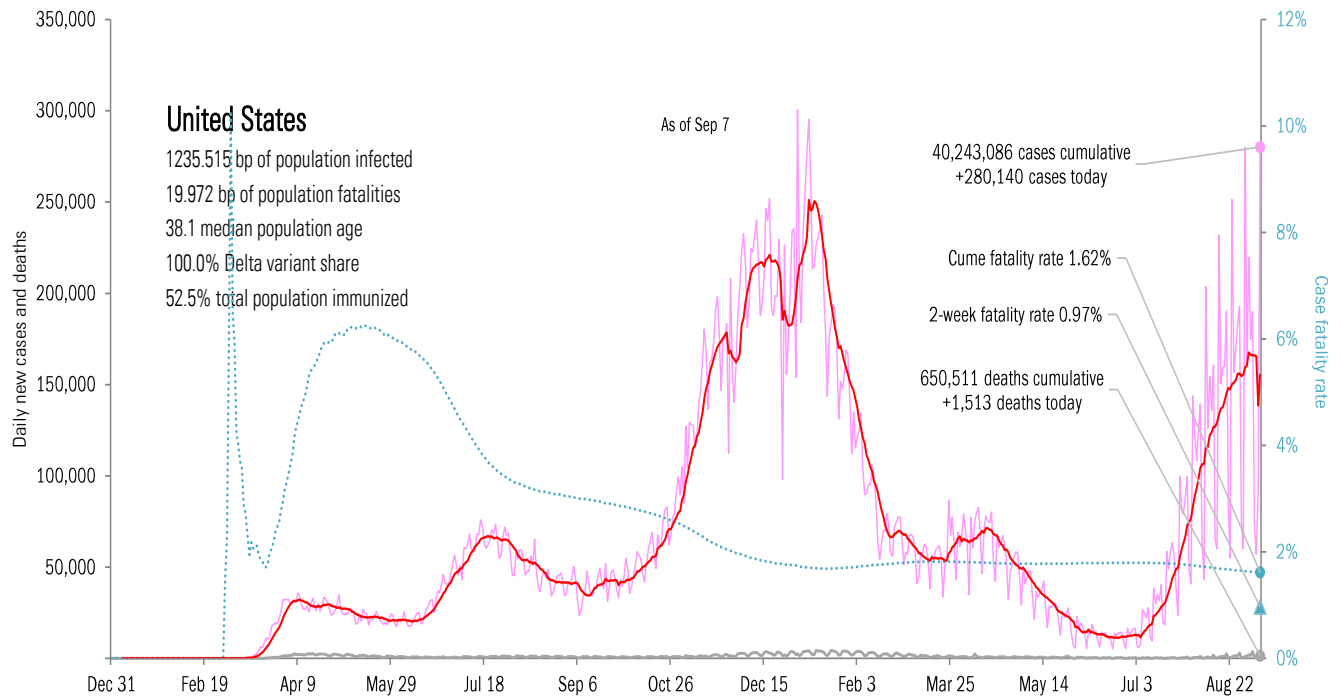
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TN	+38,798		FL	+335		CH	+46		CA	4,435,277		CA	66,540		TX	330,948		GA	90%	AL	103%
GA	+25,944		GA	+222		KY	+22		TX	3,727,663		TX	58,638		FL	287,491		FL	88%	GA	96%
NC	+25,188		TX	+171		PA	+11		FL	3,315,536		NY	54,481		CA	284,288		NV	84%	AR	93%
TX	+19,650		NC	+123		GA	+10		NY	2,310,662		FL	46,195		NY	149,030		MD	84%	TX	92%
FL	+18,457		TN	+92		MI	+9		IL	1,550,375		PA	28,408		GA	141,057		RI	84%	FL	92%
IN	+12,981		CH	+73		SC	+5		GA	1,459,658		NJ	26,978		CH	100,357		CT	81%	KY	90%
KY	+12,979		LA	+72		DC	+2		PA	1,324,720		IL	26,566		PA	99,846		MA	81%	OK	90%
IL	+12,051		IL	+66		IA	+2		NC	1,262,581		GA	23,342		KY	97,520		MO	81%	MS	90%
CA	+11,581		KY	+60		WY	+2		CH	1,262,018		MI	21,704		IL	94,468		SC	80%	NM	90%
WA	+11,204		AZ	+54		AS	+0		TN	1,109,923		CH	21,020		MI	79,012		TX	80%	ID	90%
+188,833			+1,268			+109			21,758,413			373,872			1,664,017						
All states	+280,140		+1,848			-2116			All states	40,243,086		650,511			2,944,307			All states	70%	67%	
Top ten	67%		69%			-5%			Top ten	54%		57%			57%			Median	73%	77%	

Some states not reporting

Five most improved US states

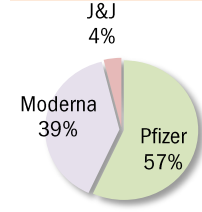
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
SC	-13,241	SC	-137	TX	-302	NE	+40 bp
VA	-6,736	MS	-103	NC	-284	AK	+30 bp
MS	-5,077	CO	-30	TN	-222	ID	+20 bp
WI	-3,613	WV	-21	CA	-165	VT	+20 bp
CO	-3,227	WI	-14	WI	-131	SC	+20 bp



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			
	386,528,002				+1.549 million	US	52.5%	61.7%
Total population	212,596,630	64%	181,139,522	54%	+0.698 million	UK	63.8%	70.8%
Age 12 to 17	12,868,367	54%	9,957,890	42%	+0.142 million	France	61.7%	72.6%
Age 18 to 64	146,487,242	72%	123,877,038	61%	+0.531 million	Spain	73.6%	78.9%
Age 65 and over	52,208,501	95%	46,462,586	85%	+0.021 million	Germany	61.1%	65.4%
						Italy	62.6%	71.9%
						Australia	31.0%	51.4%
						Israel	62.7%	68.4%
						Canada	67.7%	74.0%
						Japan	49.2%	61.2%
						Africa	3.2%	5.5%
						India	11.8%	38.5%
						Brazil	31.5%	65.1%
						China	61.6%	74.3%



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



Every American >18 immune in **66 days** by Nov 12, 2021
 66.0% of population >18 immunized
 13.7% previously tested positive
79.7% vs 60% adult herd immunity

AK
55.1%
48.0%

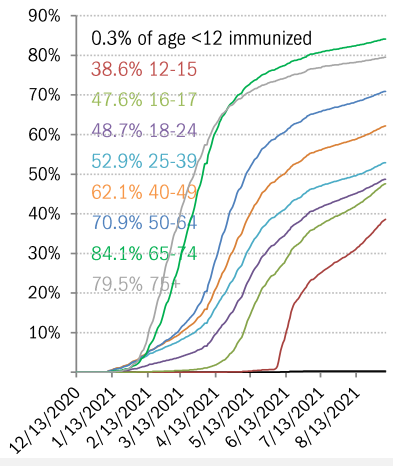
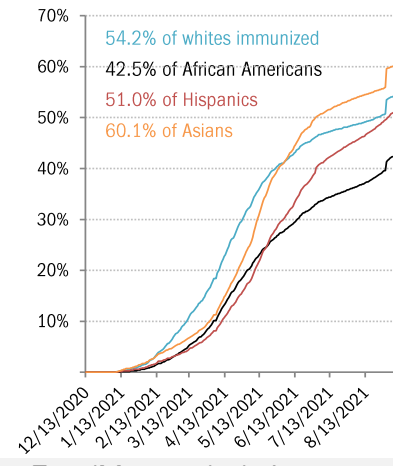
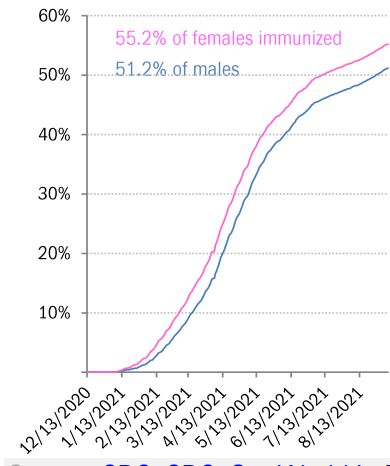
WI
59.4%
54.6%

ME
72.0%
66.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
68.5%	44.9%	52.7%	49.0%	62.3%	66.7%	55.6%	68.4%	76.5%	67.8%	
60.6%	39.7%	46.4%	42.2%	56.6%	51.8%	50.9%	61.0%	68.3%	60.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
64.8%	58.7%	46.0%	56.9%	56.6%	50.7%	53.0%	70.2%	70.7%	75.9%	
58.7%	48.6%	39.3%	49.7%	52.1%	46.7%	48.9%	55.8%	62.2%	66.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
69.6%	56.9%	63.9%	58.0%	53.2%	58.1%	47.3%	66.0%	68.8%	74.3%	72.5%
56.6%	48.2%	57.5%	52.8%	45.8%	49.4%	39.8%	58.0%	62.1%	66.6%	65.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	57.6%	70.7%	58.0%	54.0%	50.2%	56.7%	52.7%	68.4%	64.6%	
	49.3%	60.8%	48.9%	42.9%	42.4%	47.1%	44.3%	58.1%	55.9%	
			OK	LA	MS	AL	GA			
			54.2%	50.2%	47.7%	50.7%	52.0%			
			44.7%	42.6%	39.6%	39.4%	42.1%			
			TX							
			57.9%							
			48.4%							
								FL		PR
								64.5%		75.7%
								53.8%		64.4%

HI
74.9%
55.8%

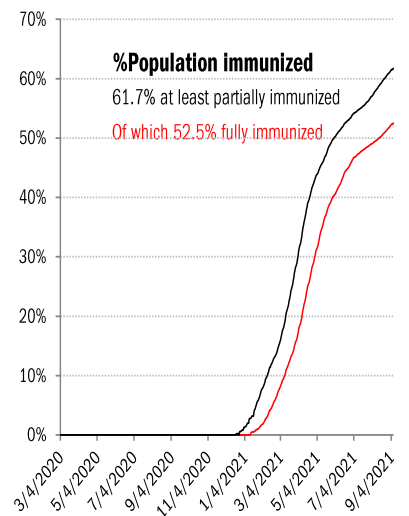
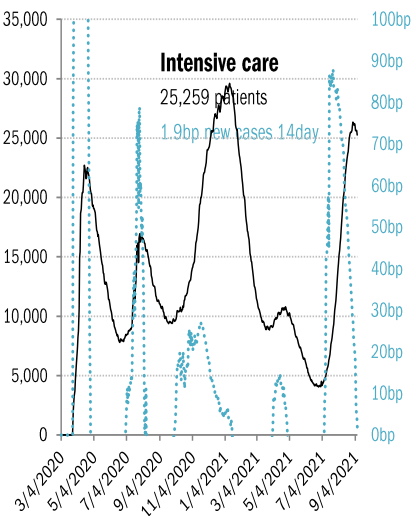
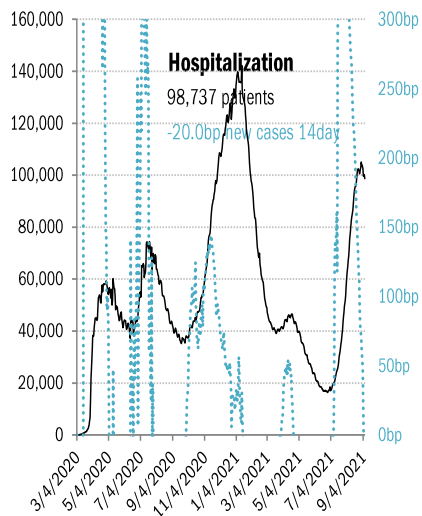
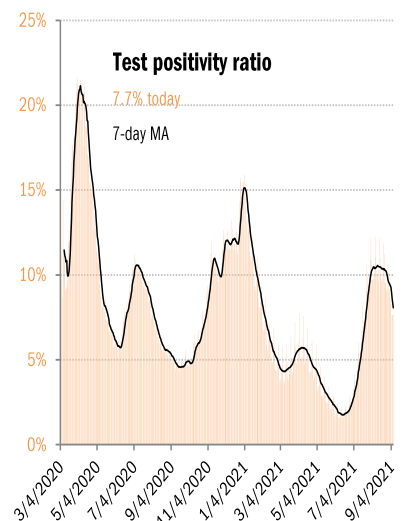
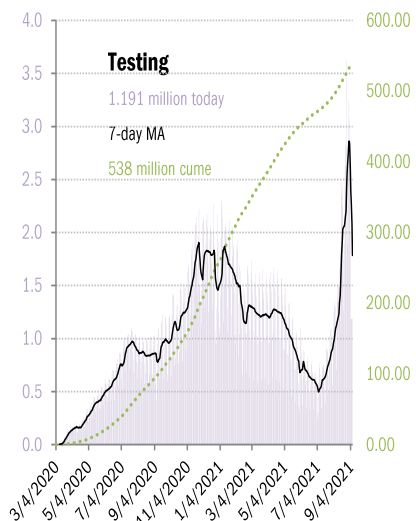
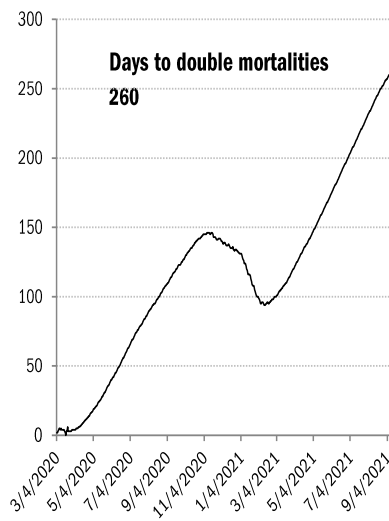
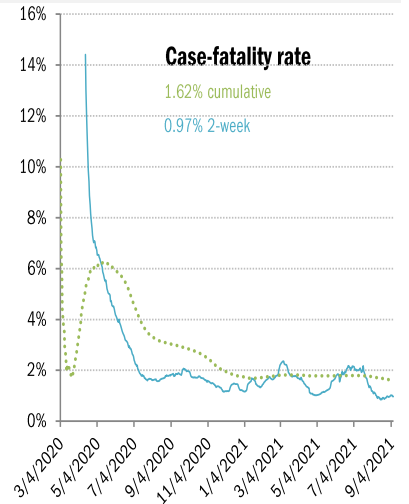
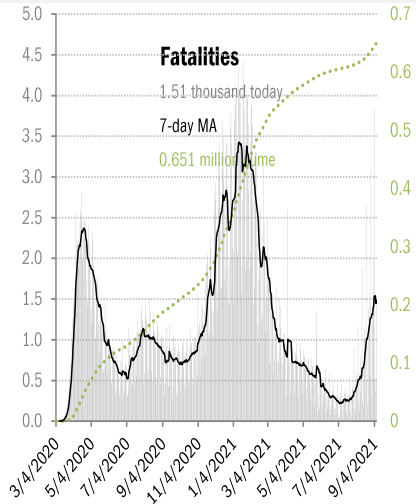
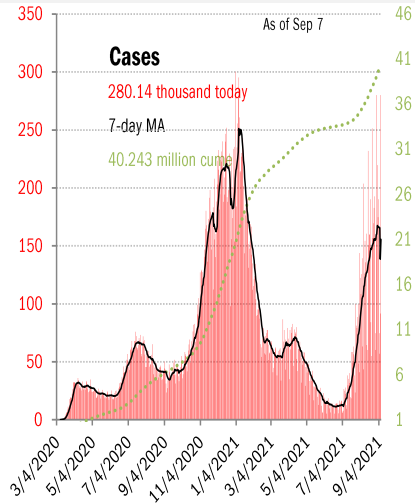
The demographics of US vaccination



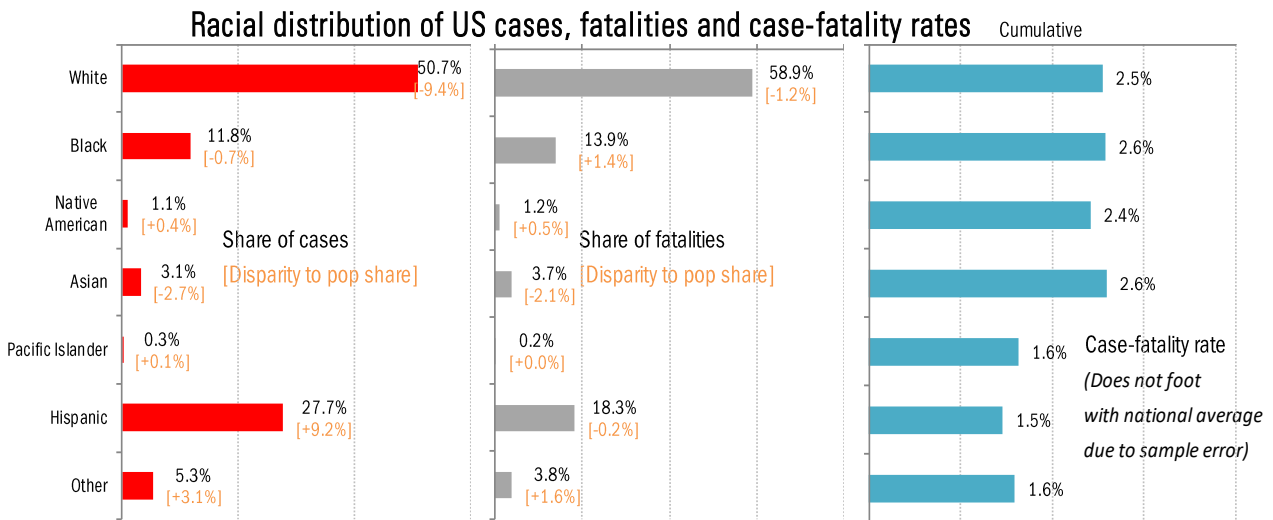
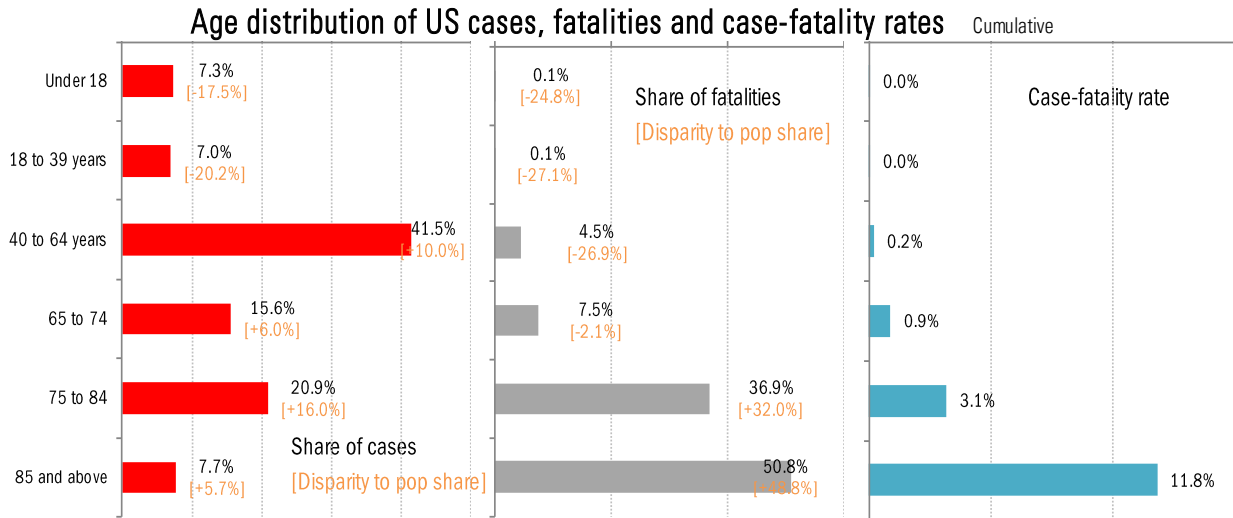
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

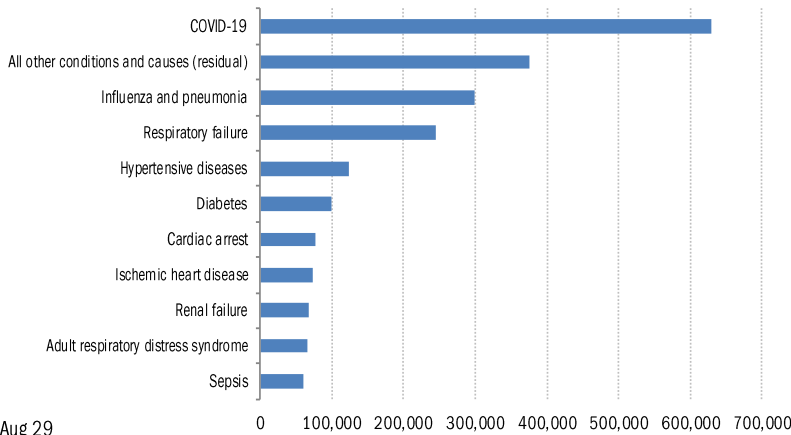


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 29

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

[U.S. Reaches 75% of Adults With at Least One Vaccine](#)

[Dose](#)

Josh Wingrove

Bloomberg

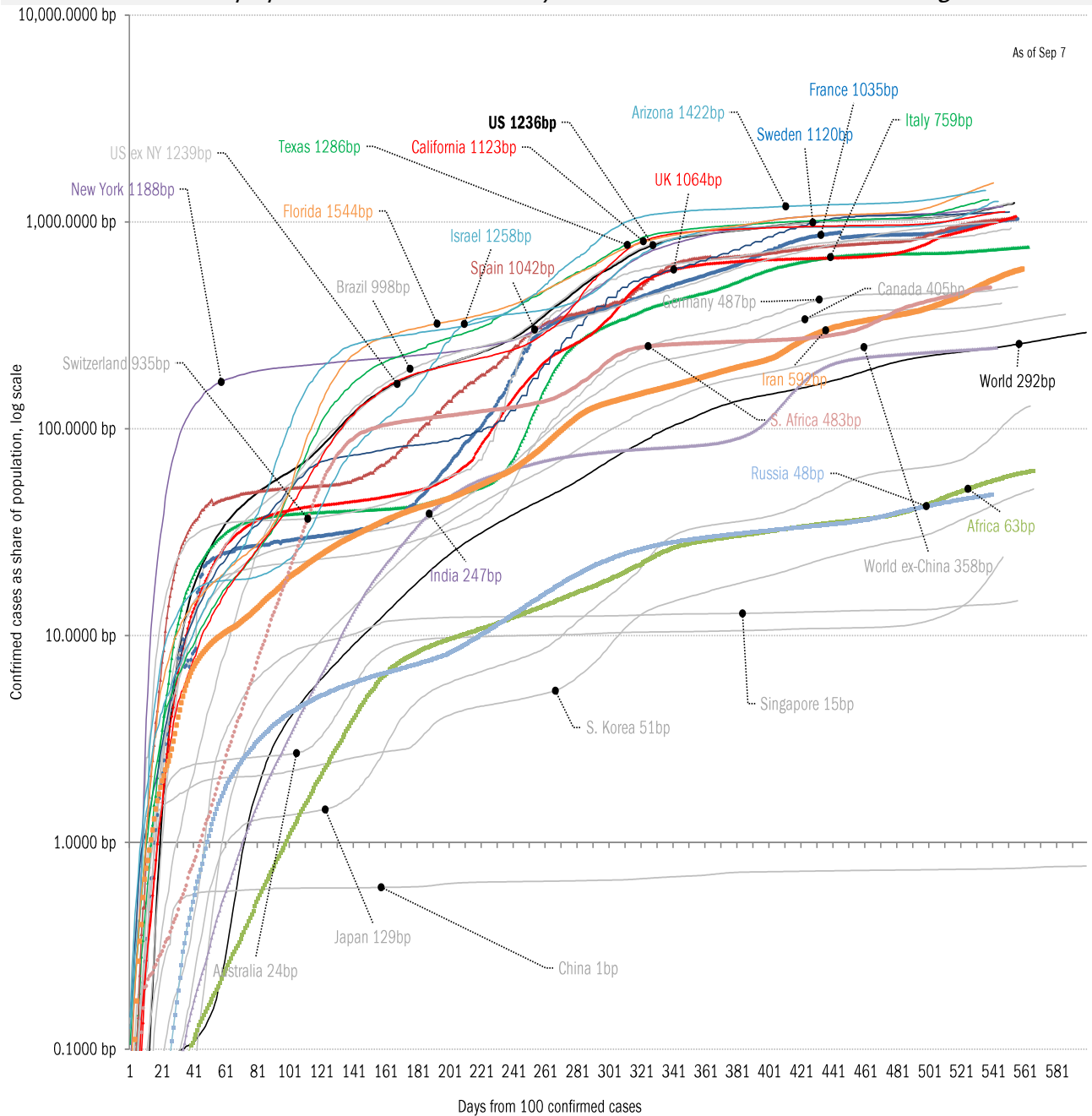
September 7, 2021

Meme of the day



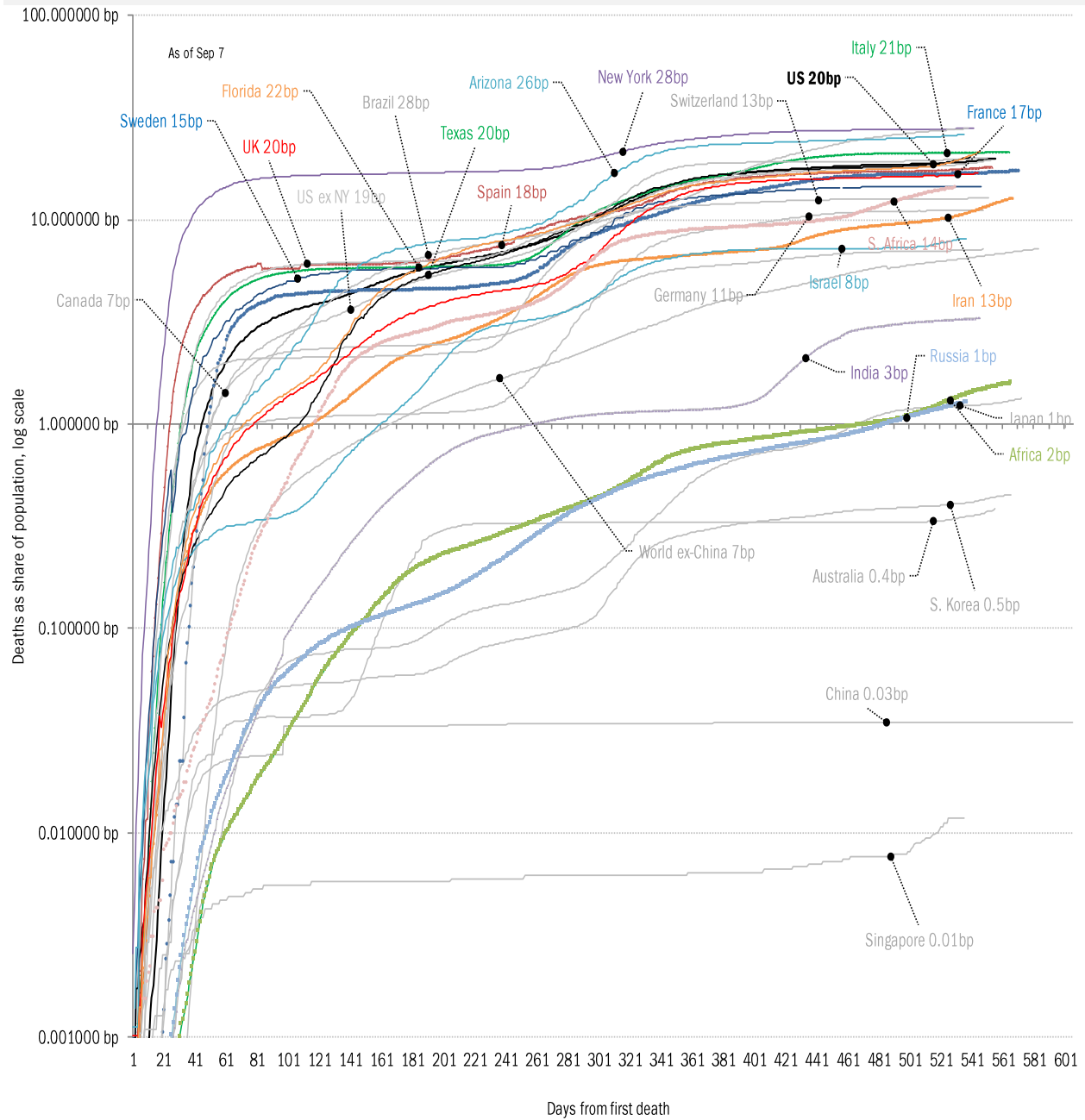
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

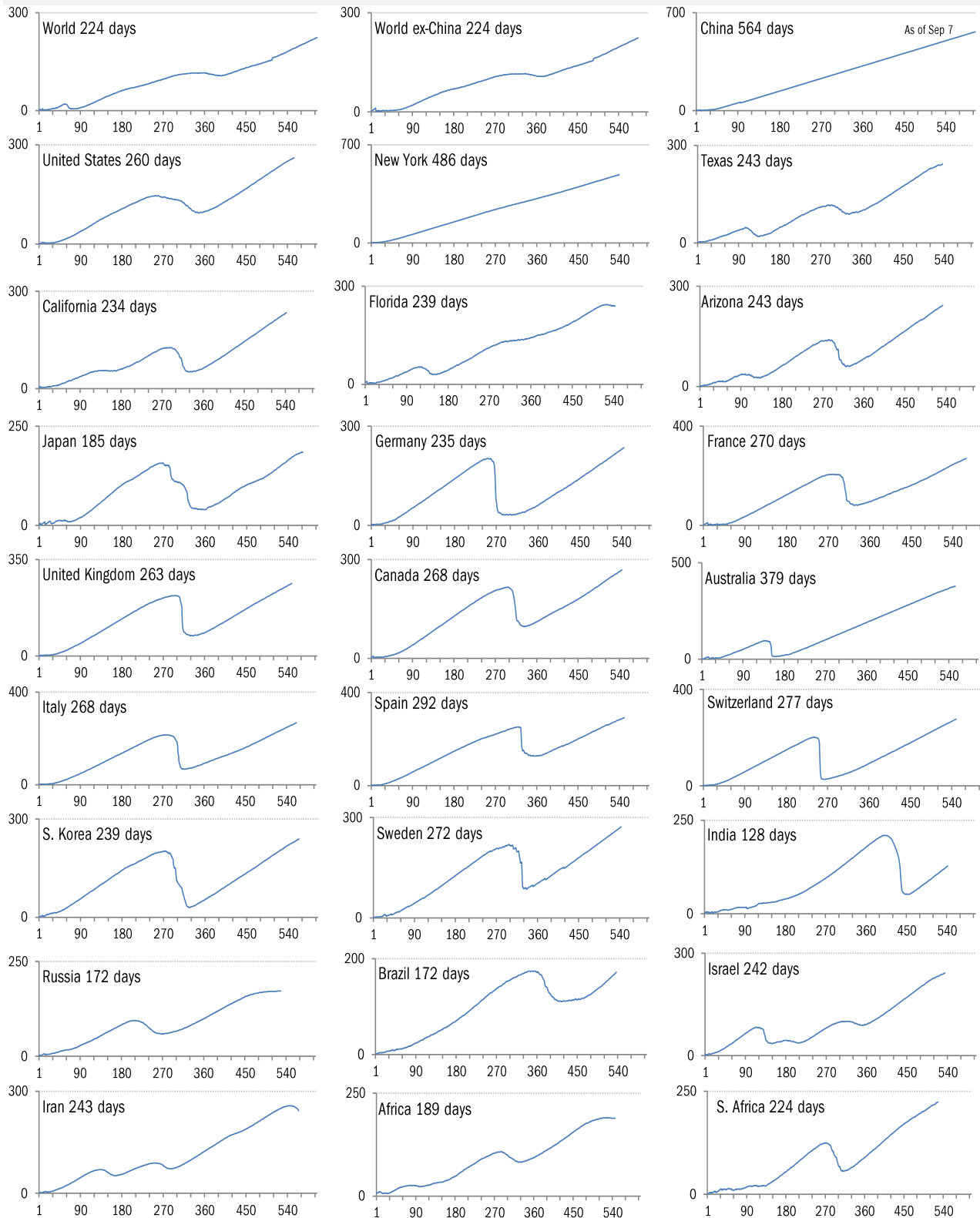


Source: [Johns Hopkins](#), TrendMacro calculations

"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

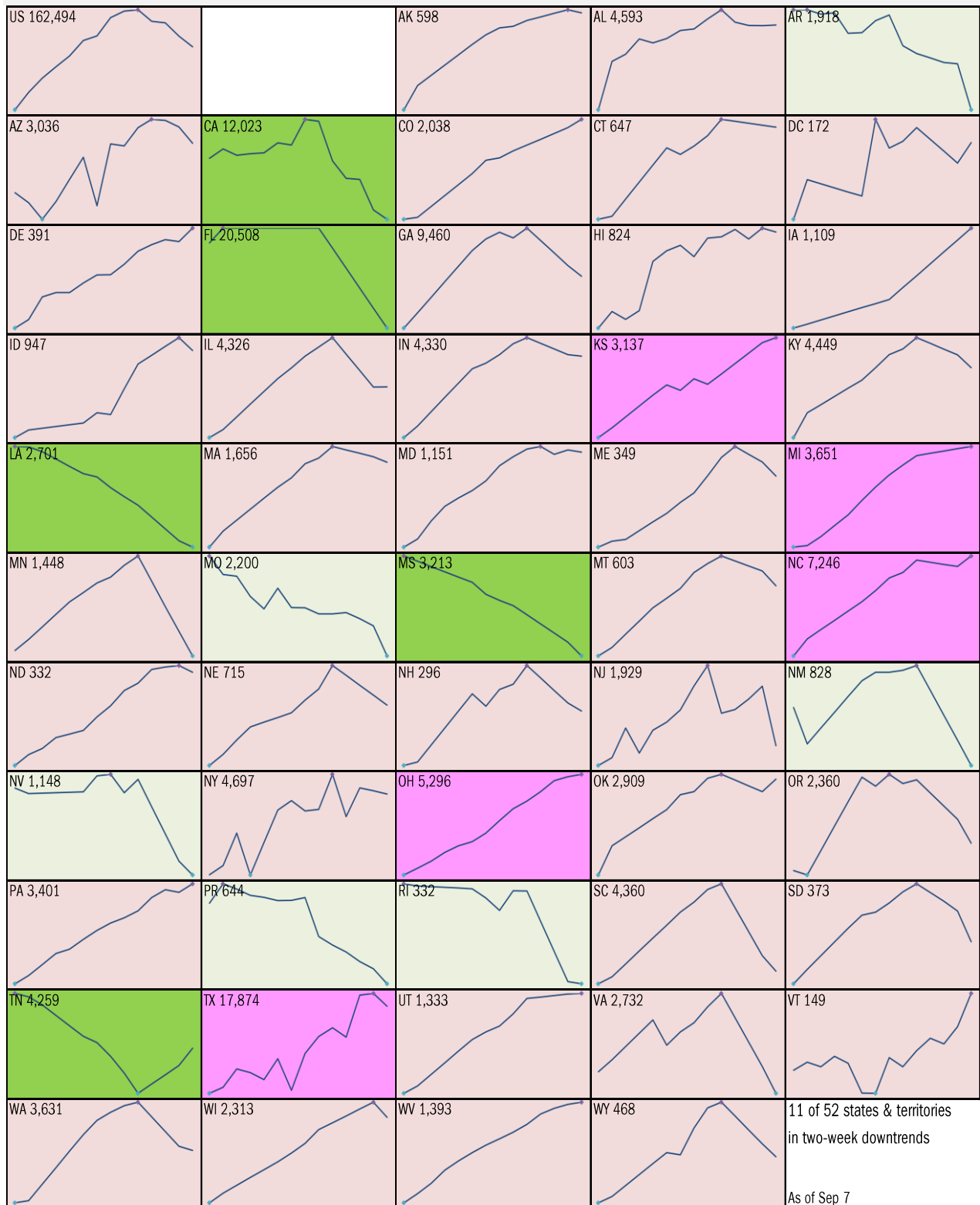


Source: [Johns Hopkins](#), TrendMacro calculations

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

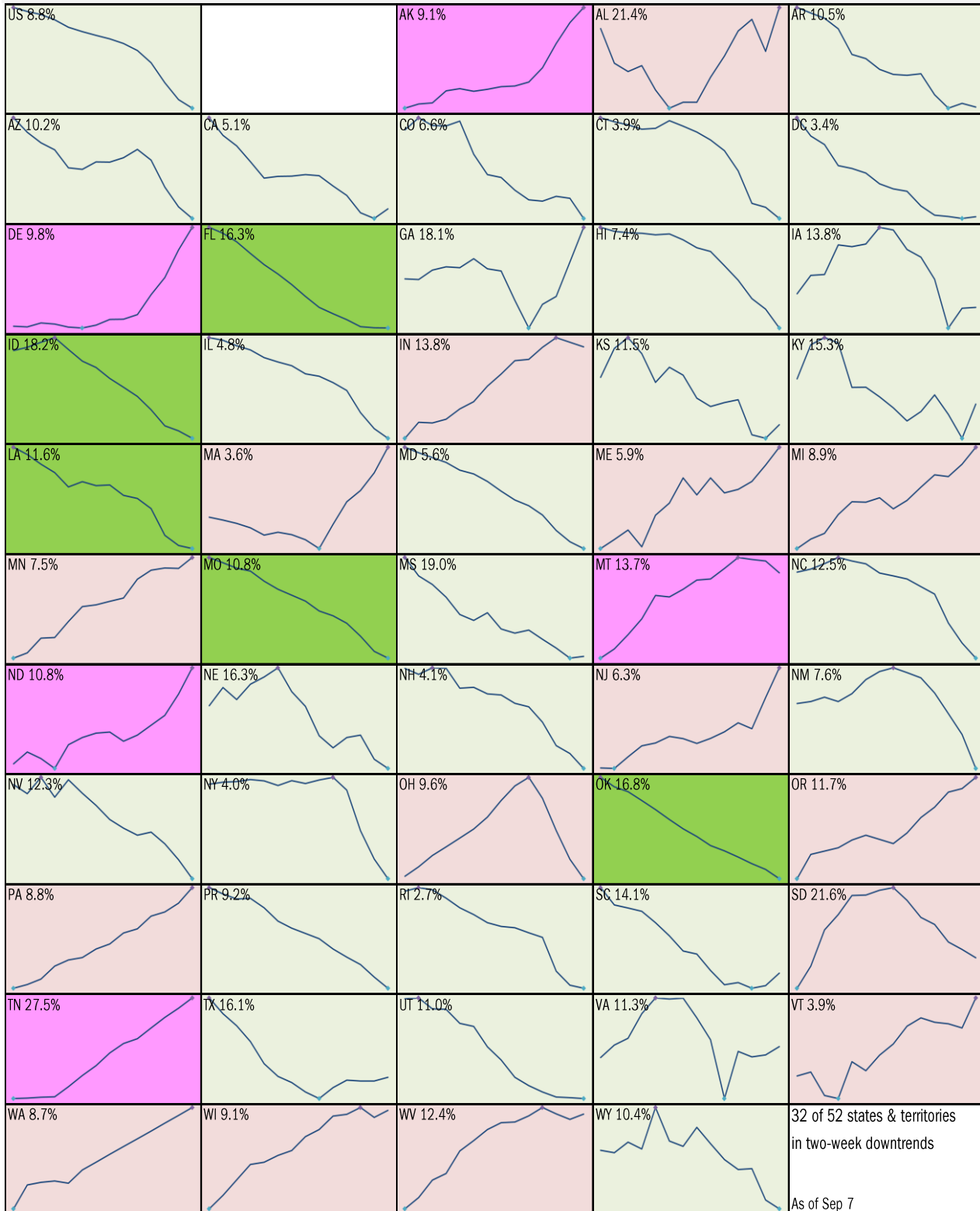


Source: [Johns Hopkins](#), TrendMacro calculations

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

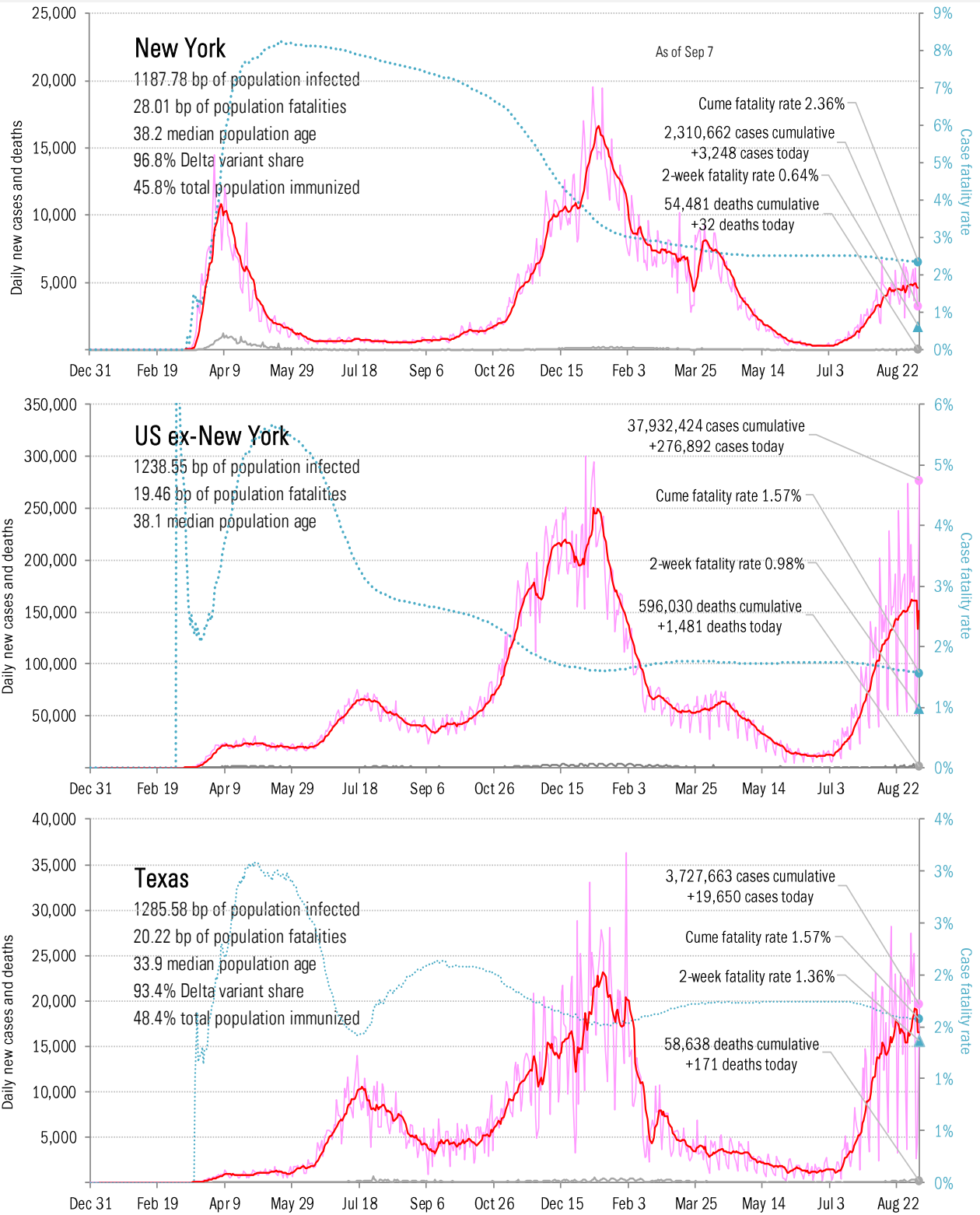
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

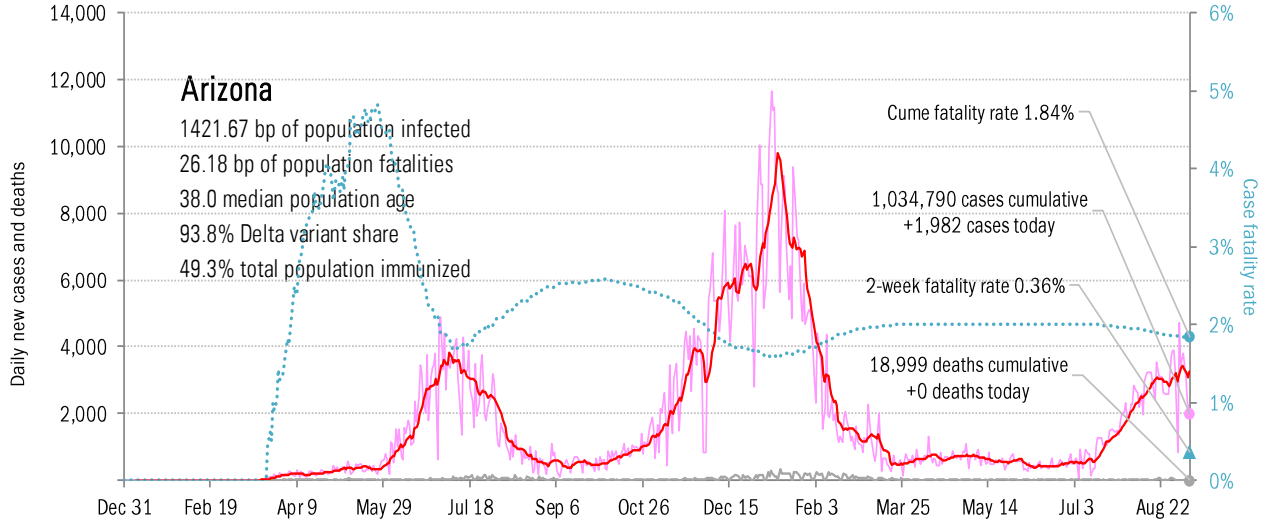
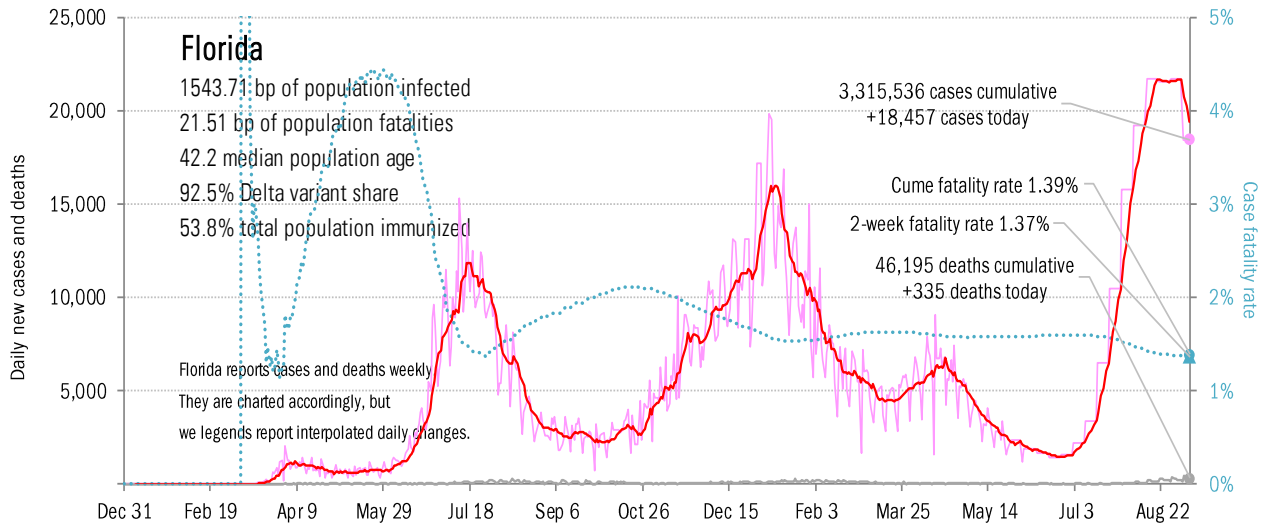
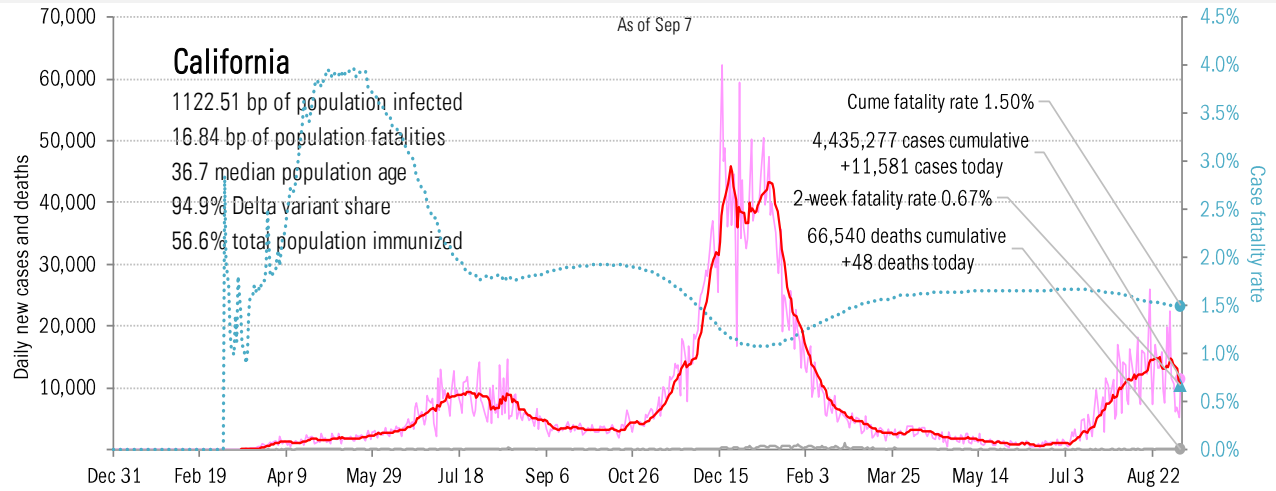
Cases: 7-day average and daily Deaths: Daily



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

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

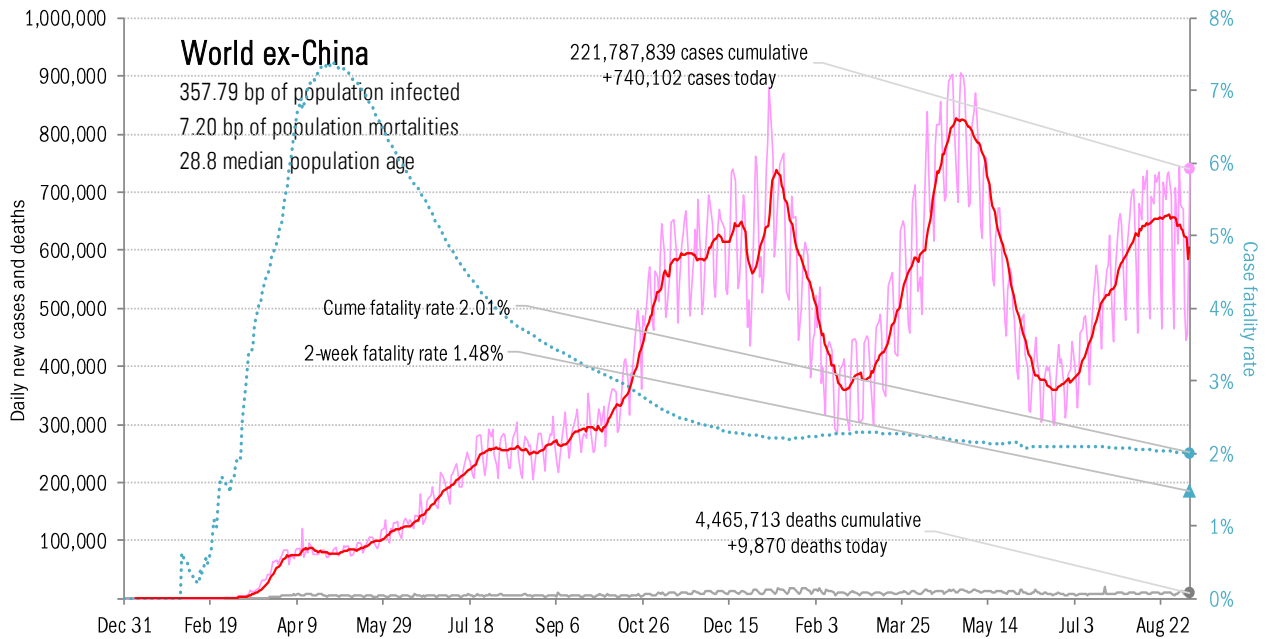
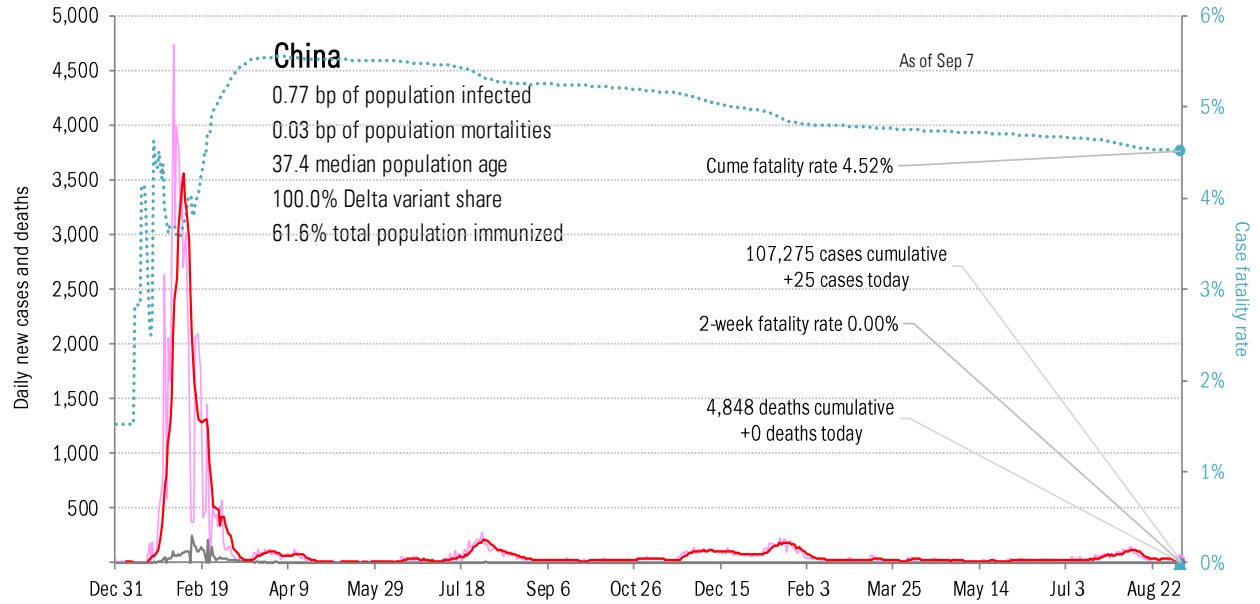
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

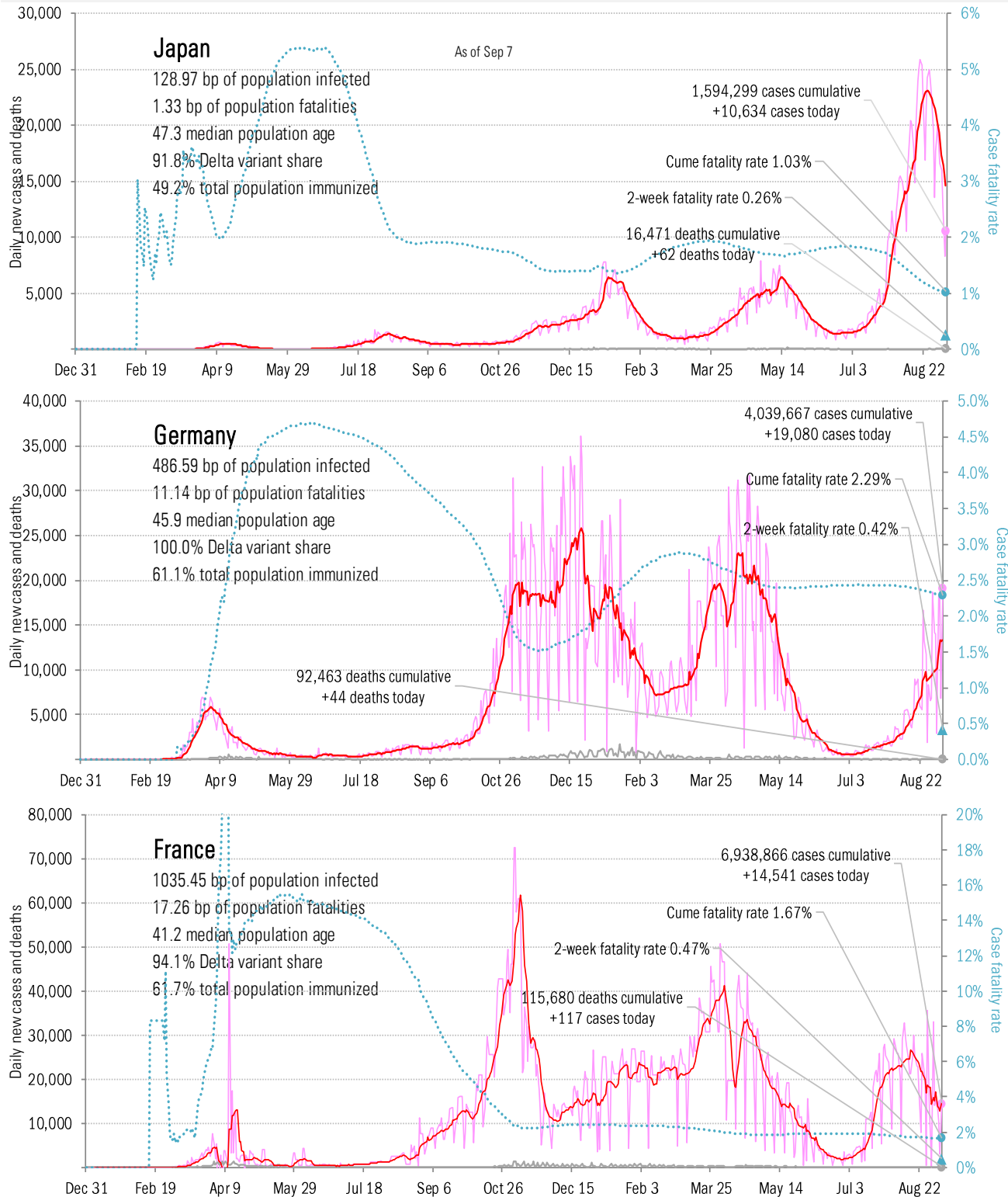
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

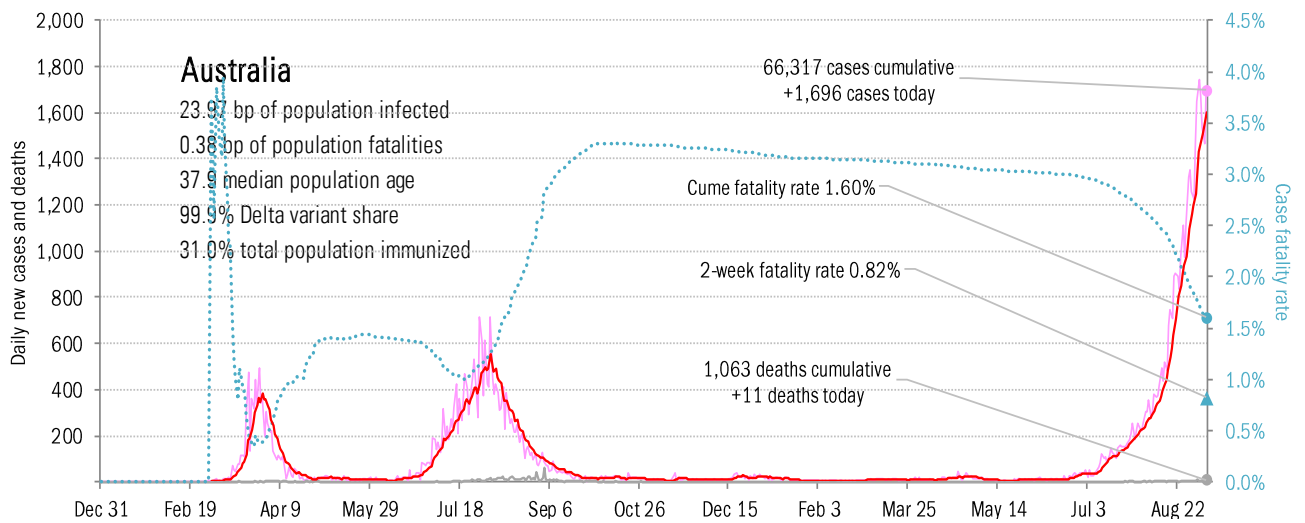
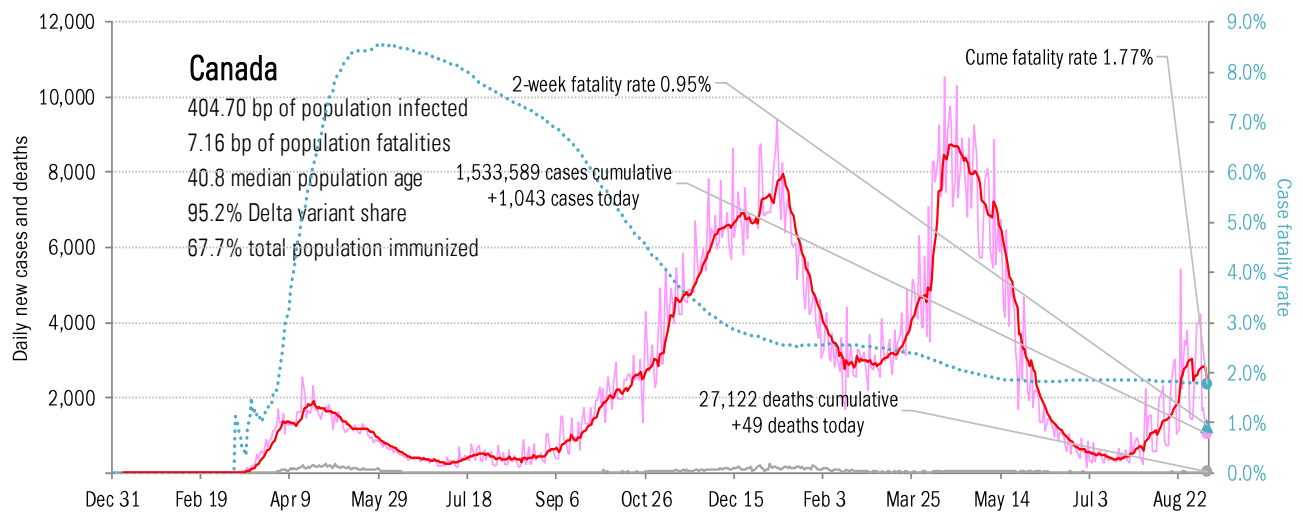
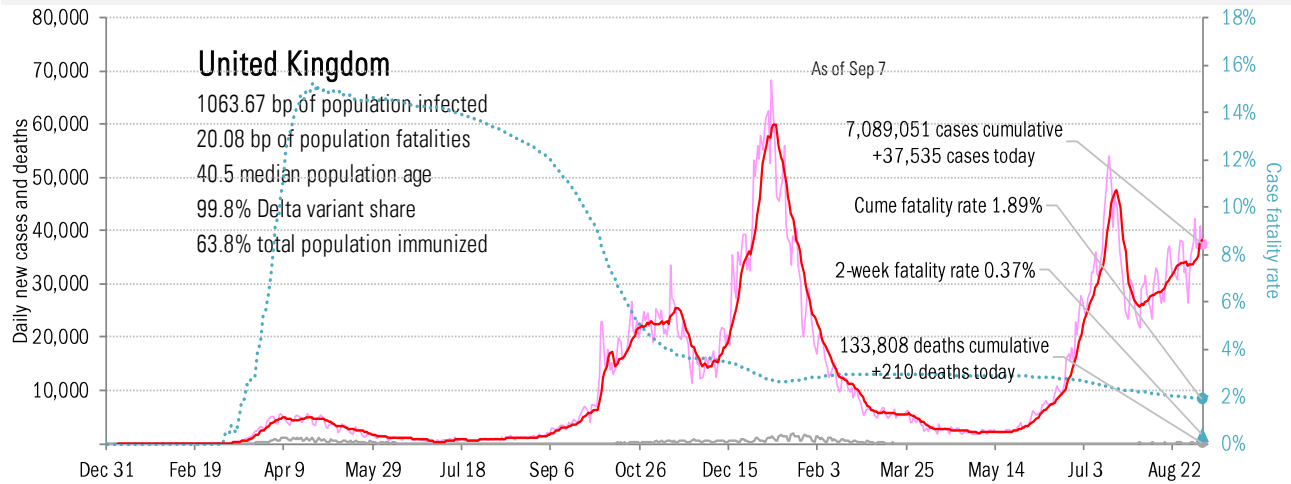
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

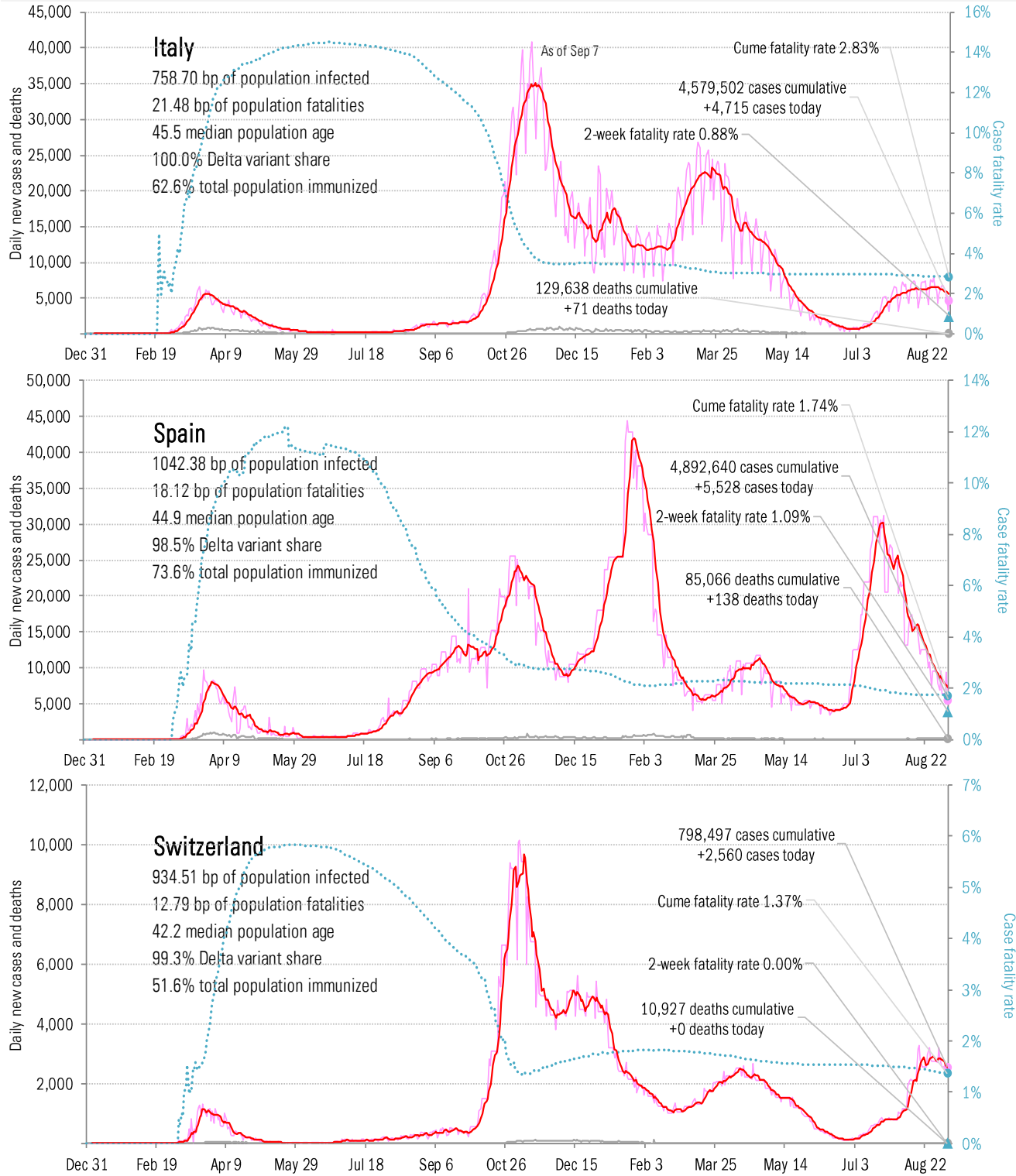
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

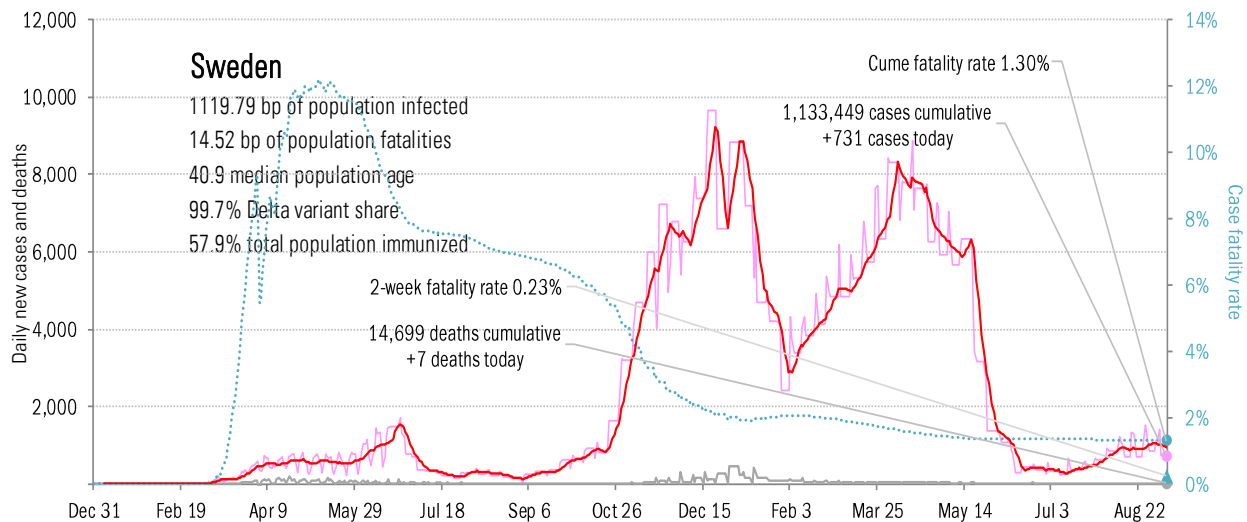
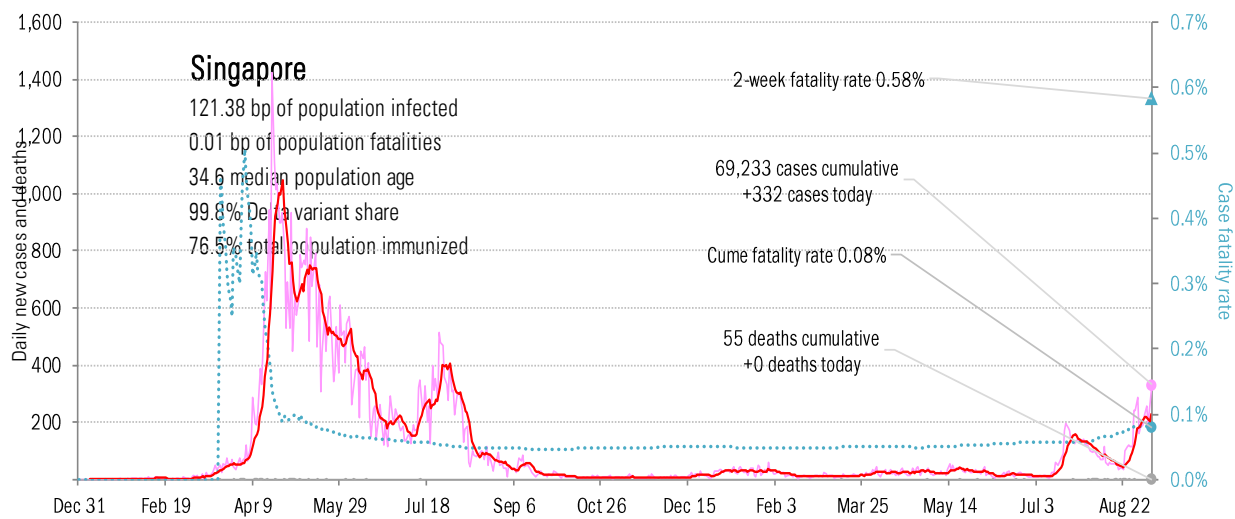
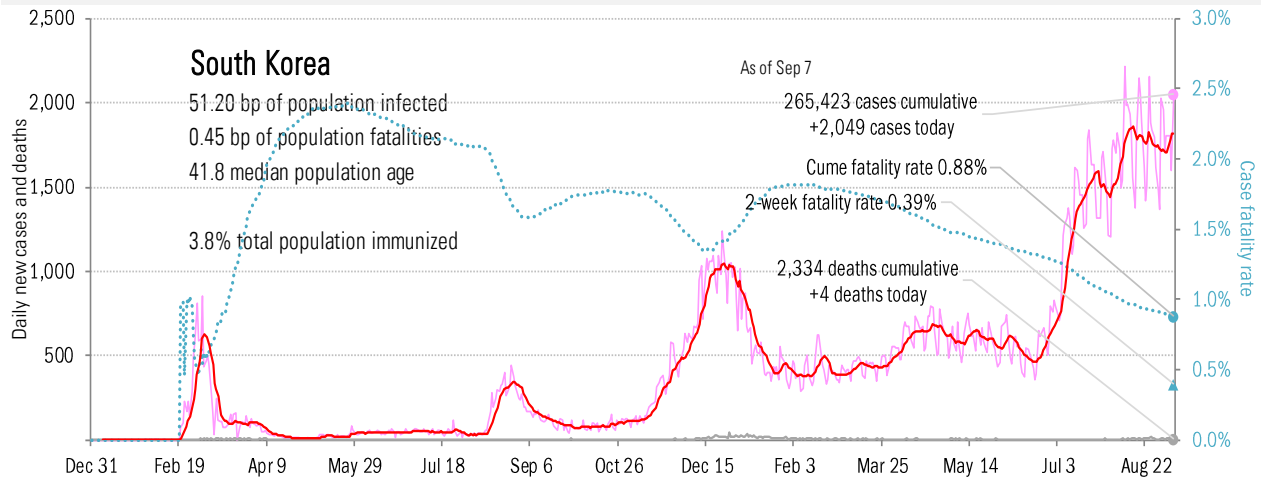
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

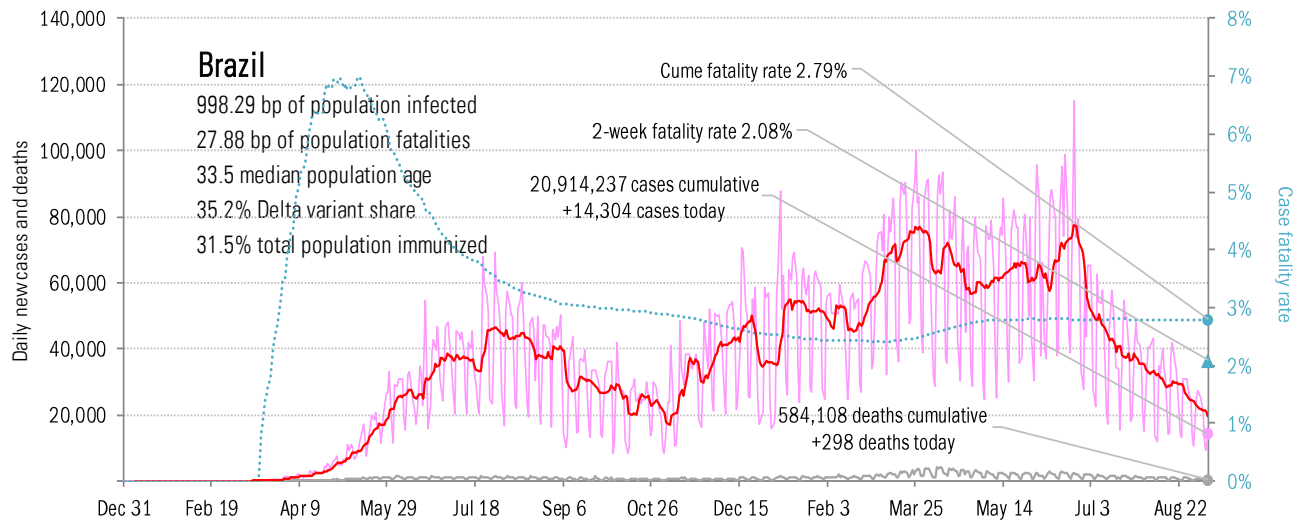
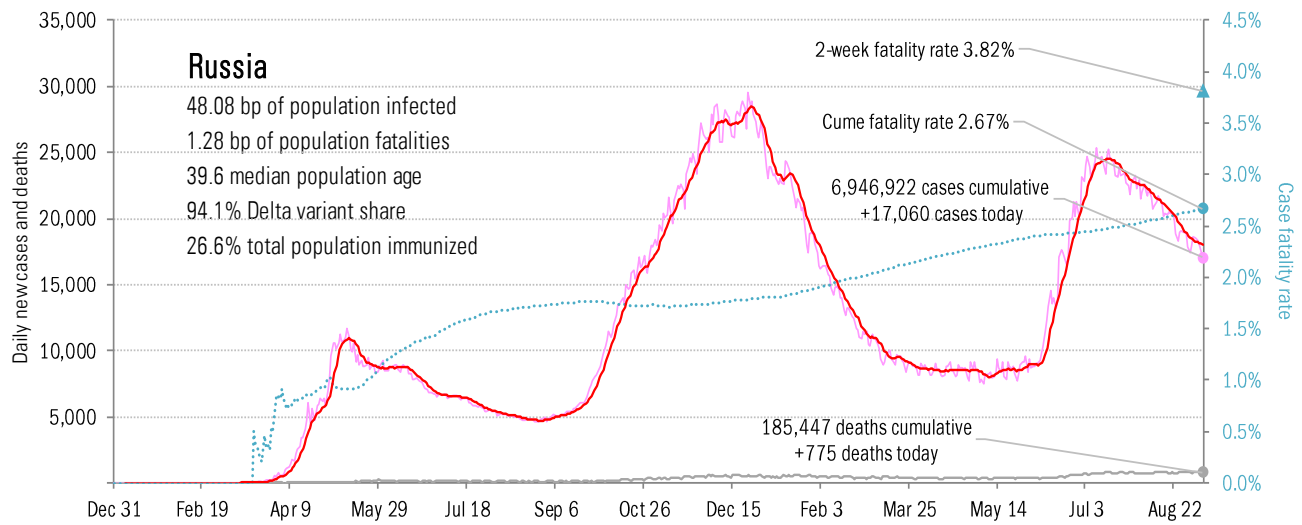
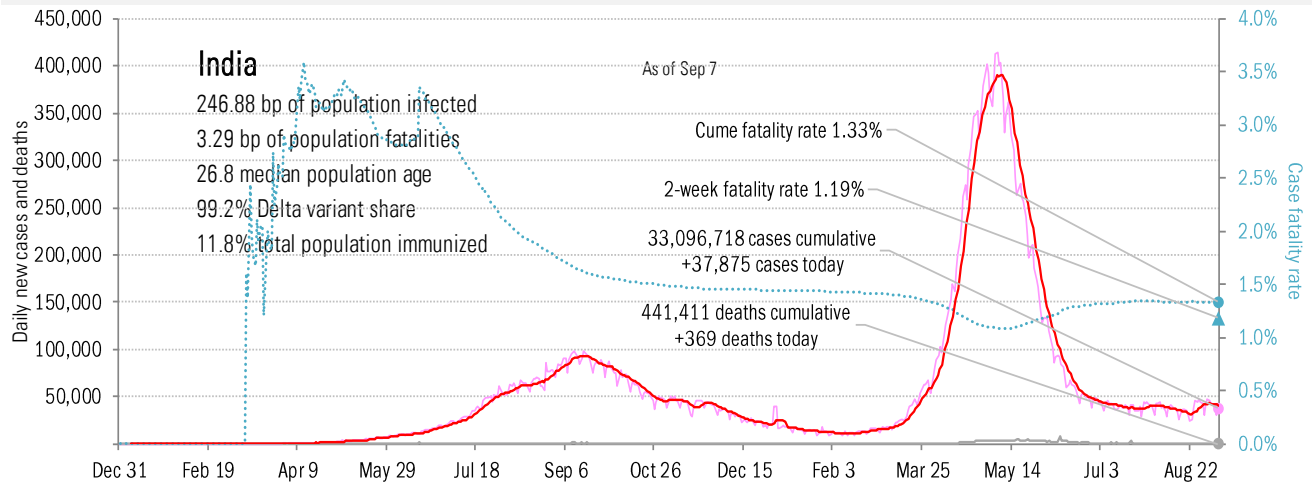
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

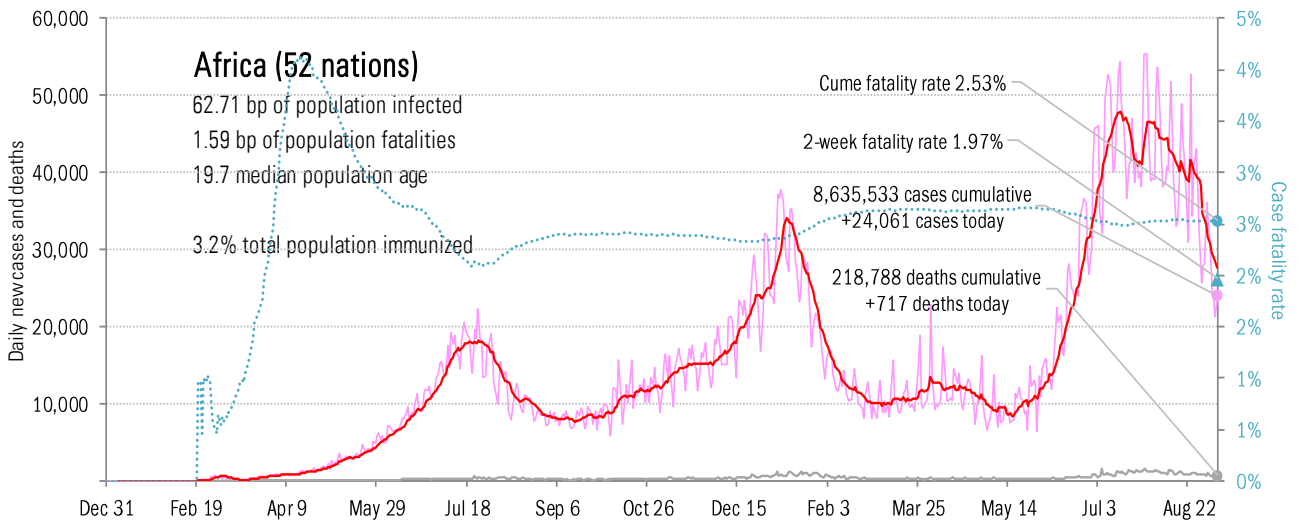
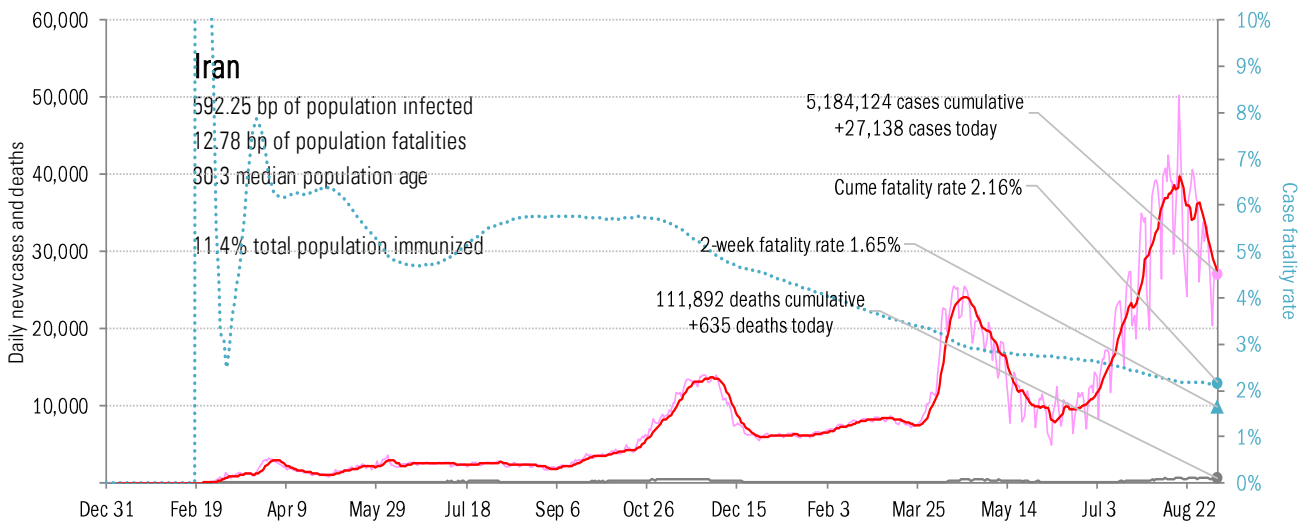
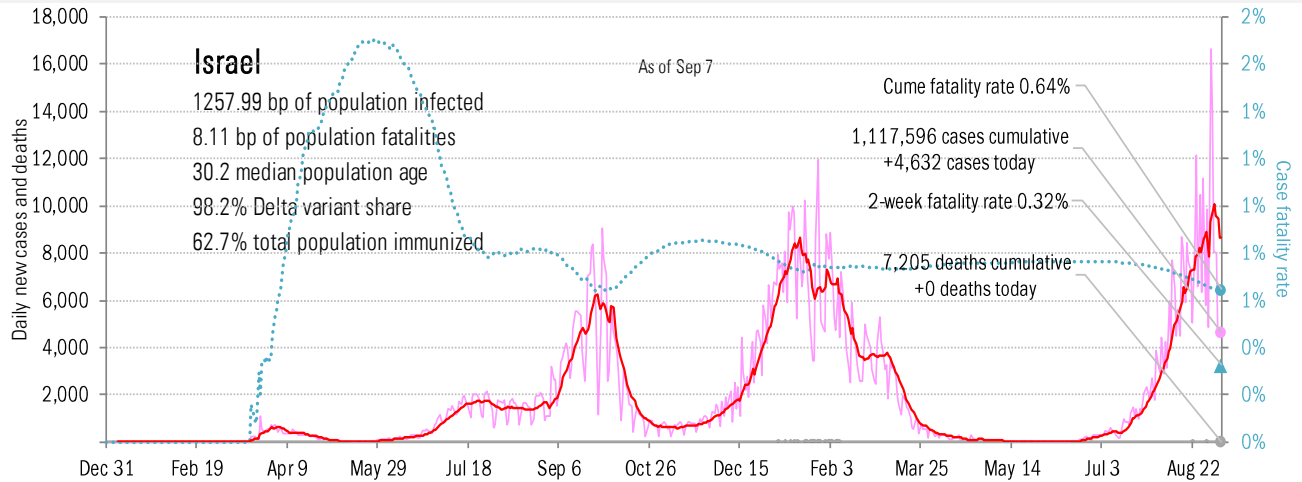
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

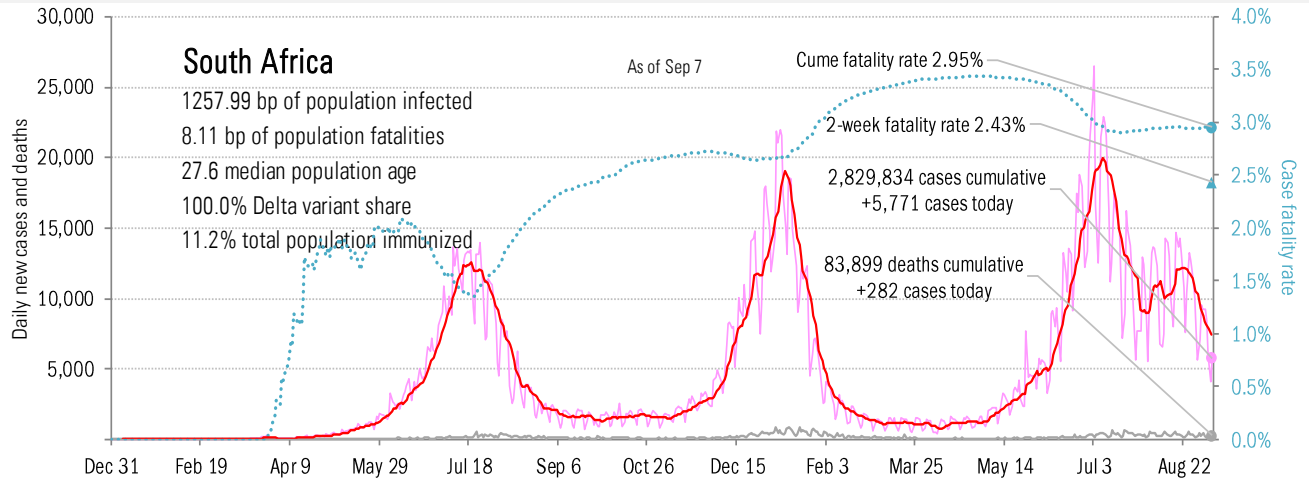
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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