

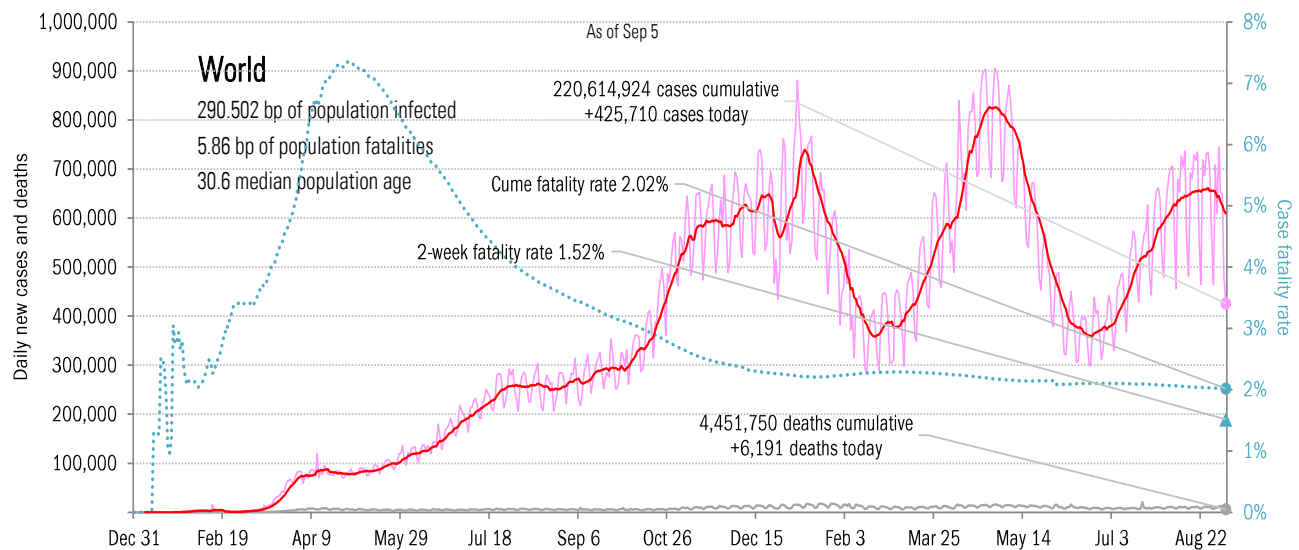
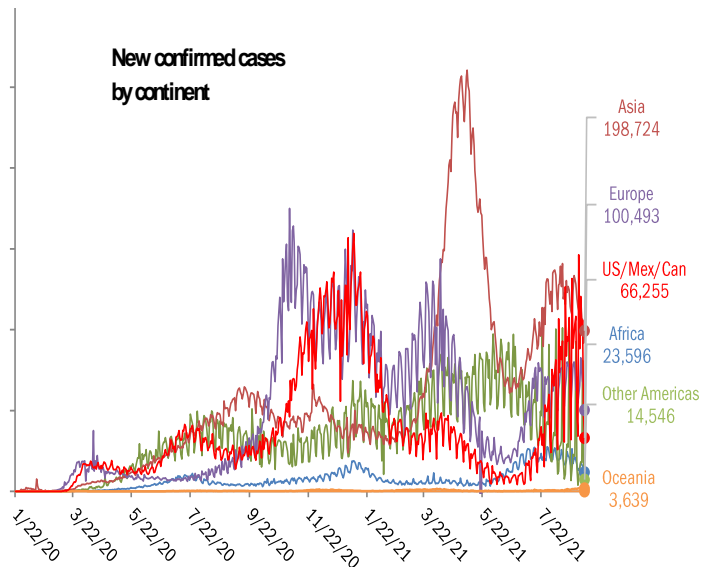
Data Insights: Covid-2019 Monitor

Monday, September 6, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
	New cases		New Deaths
	United States +57,018	Russia	+779
	India +38,948	Iran	+610
	United Kingdom +36,545	Indonesia	+392
	Iran +25,870	United States	+362
	Malaysia +20,396	Malaysia	+336
	Philippines +19,900	Sri Lanka	+334
	Russia +18,262	Vietnam	+281
	Thailand +15,452	Mexico	+272
	Vietnam +13,137	Brazil	+266
	Brazil +12,915	Thailand	+224
	+258,443		+3,856
	World +425,710		World +6,191
	Top ten 61%		Top ten 62%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

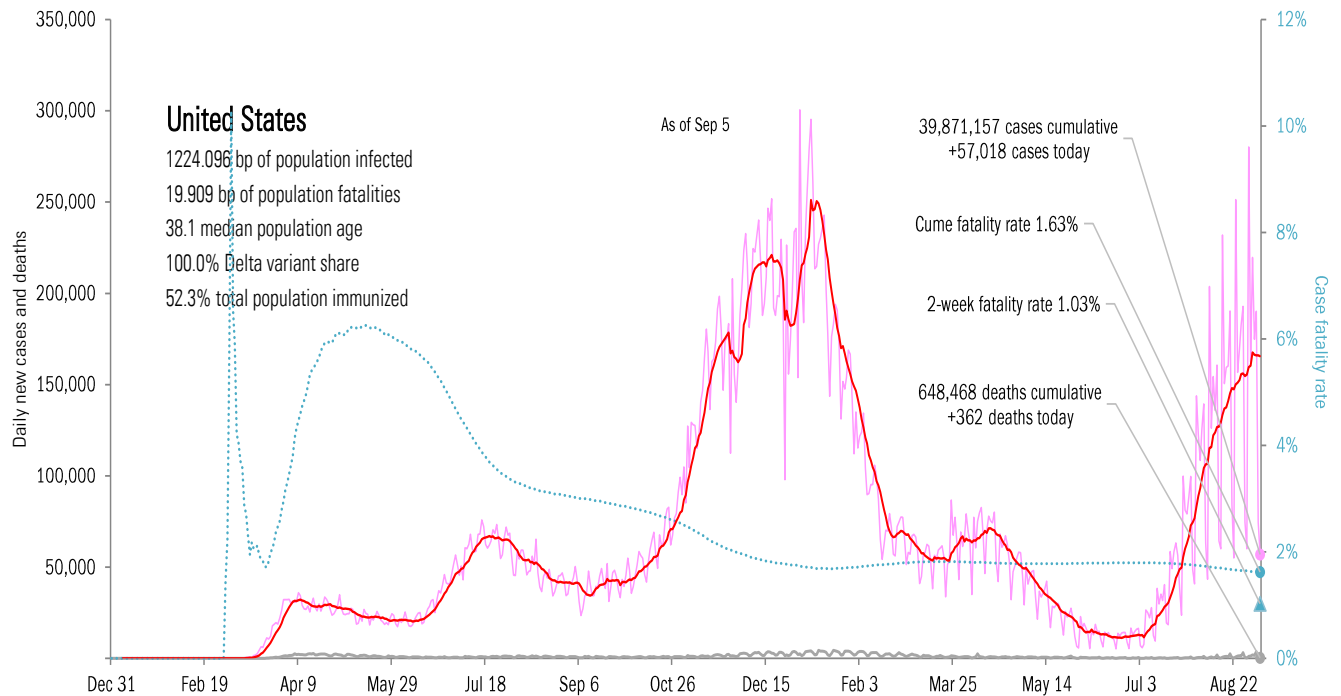
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+18,457		FL	+416		GA	+253		CA	4,418,368		CA	66,470		TX	328,200		GA	88%	AL	104%
CA	+6,798		TX	+148		KY	+117		TX	3,703,715		TX	58,420		FL	284,821		FL	87%	GA	98%
NY	+6,097		CA	+87		CH	+79		FL	3,278,621		NY	54,420		CA	282,922		RI	86%	TX	93%
CH	+5,561		NY	+42		MI	+72		NY	2,303,739		FL	45,487		NY	148,470		MD	84%	AR	93%
AZ	+3,071		AR	+19		TX	+70		IL	1,538,324		PA	28,393		GA	139,629		MA	83%	FL	93%
PA	+2,855		PA	+15		WI	+51		GA	1,433,714		NJ	26,948		CH	99,608		NV	83%	MS	92%
AL	+2,842		MD	+12		VA	+44		PA	1,318,603		IL	26,500		PA	99,367		MO	82%	NV	91%
TX	+2,691		FR	+12		MO	+40		CH	1,253,198		GA	23,120		KY	96,417		SC	82%	KY	90%
NJ	+1,714		HI	+10		PA	+38		NC	1,237,393		MI	21,672		IL	93,990		CT	81%	H	89%
VW	+1,500		MO	+8		SC	+37		NJ	1,102,488		CH	20,947		MI	78,700		PA	80%	OK	89%
+51,586			+769			+801			21,588,163			372,377			1,652,124						
All states	+57,018			+778			+581		All states	39,871,157			648,468			2,923,164		All states	70%		67%
Top ten	90%			99%			138%		Top ten	54%			57%			57%		Median	76%		77%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-11,831	TX	-129	WA	-99	AL	+30 bp
AL	-1,578	AZ	-37	TN	-79	MS	+30 bp
AR	-1,288	AL	-19	NV	-37	LA	+30 bp
PA	-1,171	PA	-11	CA	-33	AR	+30 bp
MO	-1,034	NJ	-7	CR	-33	MO	+30 bp

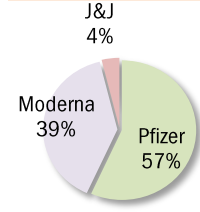


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

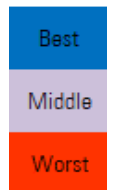
The CDC did not update daily vaccinations data today.

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	384,978,680					US	52.3%	61.5%
	One dose	% Pop	Immune	% pop		UK	63.6%	70.7%
Total population	211,905,338	63%	180,441,966	54%		France	60.6%	72.2%
Age 12 to 17	12,746,743	54%	9,816,333	41%		Spain	72.6%	78.5%
Age 18 to 64	145,962,936	72%	123,345,755	61%		Germany	60.5%	65.0%
Age 65 and over	52,167,655	95%	46,441,345	85%		Italy	62.0%	71.5%
						Australia	30.3%	50.5%
						Israel	62.7%	68.4%
						Canada	67.5%	73.9%
						Japan	47.3%	58.3%
						Africa	2.9%	5.2%
						India	11.4%	37.7%
						Brazil	31.1%	64.8%
						China	61.6%	74.3%



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



65.7% of population >18 immunized
 13.6% previously tested positive
79.3% vs 60% adult herd immunity

As of Sep 5

Global data differs from sources, timing

AK
54.7%
47.5%

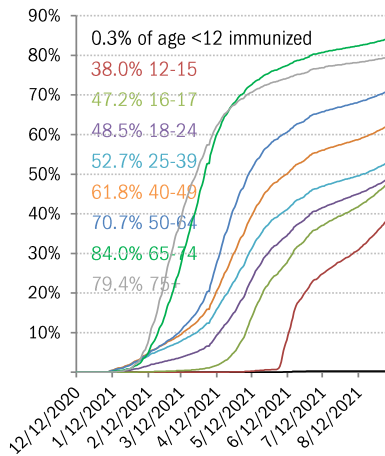
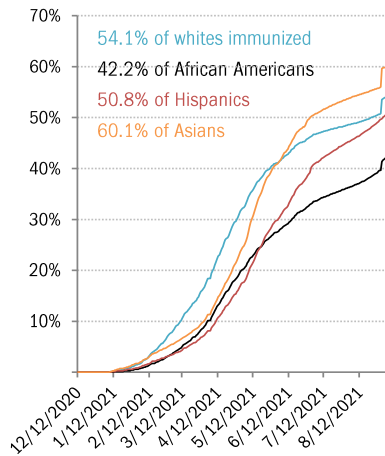
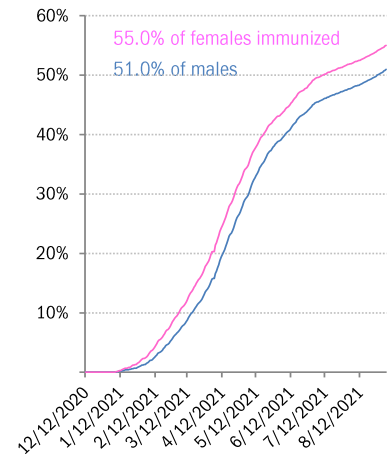
WI
59.1%
54.4%

ME
72.0%
66.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
68.4%	44.7%	52.6%	48.8%	62.2%	66.4%	55.5%	68.0%	76.4%	67.7%	
60.6%	39.5%	46.3%	42.1%	56.3%	51.6%	50.8%	60.7%	68.1%	60.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
64.5%	58.5%	45.9%	56.9%	56.6%	50.6%	52.8%	69.9%	70.4%	75.7%	
58.5%	48.3%	39.3%	49.6%	52.1%	46.6%	48.7%	55.6%	62.0%	66.3%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
69.4%	56.9%	63.8%	57.8%	53.2%	57.8%	47.3%	65.8%	68.6%	74.1%	72.2%
56.3%	48.1%	57.3%	52.4%	45.7%	49.1%	39.8%	57.7%	61.9%	66.4%	65.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	57.3%	70.6%	57.8%	53.8%	50.2%	56.4%	52.3%	68.1%	64.5%	
	49.0%	60.6%	48.8%	42.5%	42.4%	46.9%	43.9%	57.8%	55.8%	
			OK	LA	MS	AL	GA			
			54.0%	50.0%	47.7%	50.5%	52.0%			
			44.5%	42.3%	39.6%	39.1%	42.1%			
			TX					FL		PR
			57.6%					64.4%		75.2%
			48.1%					53.8%		63.9%

HI
74.7%
55.7%

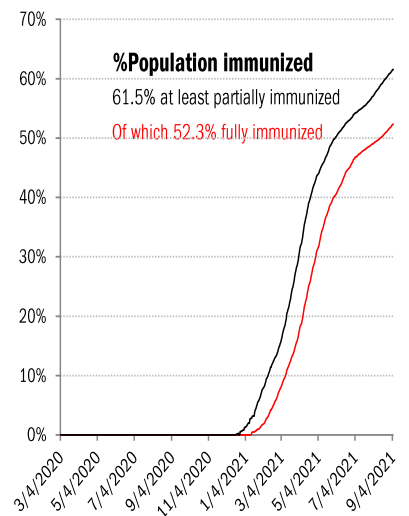
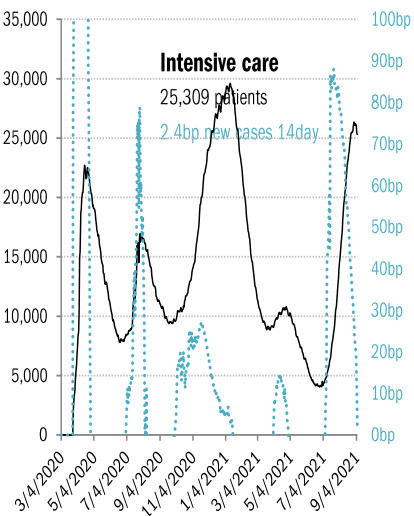
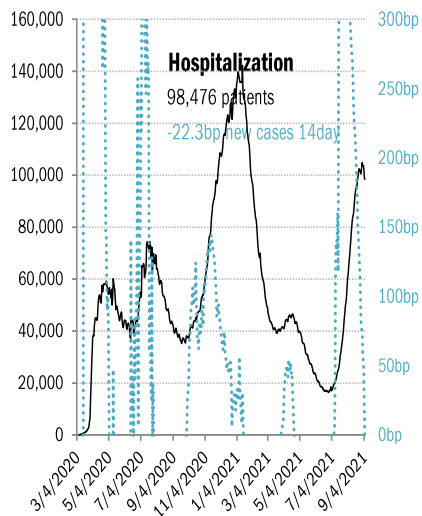
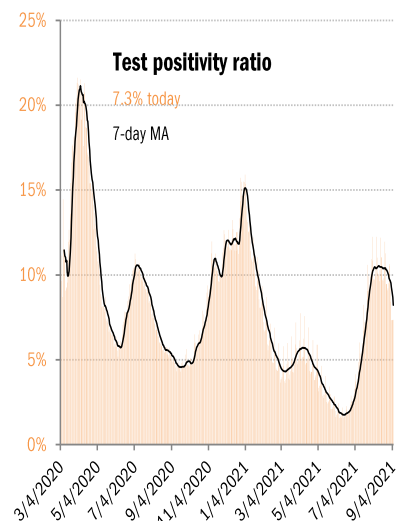
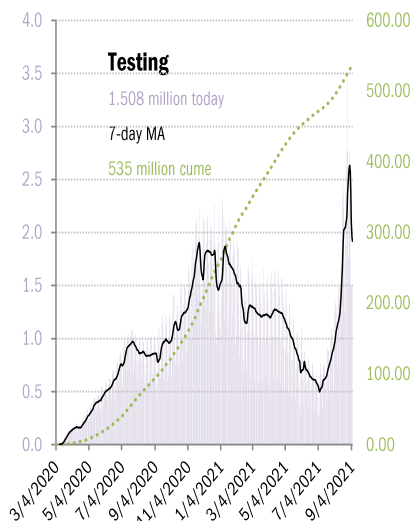
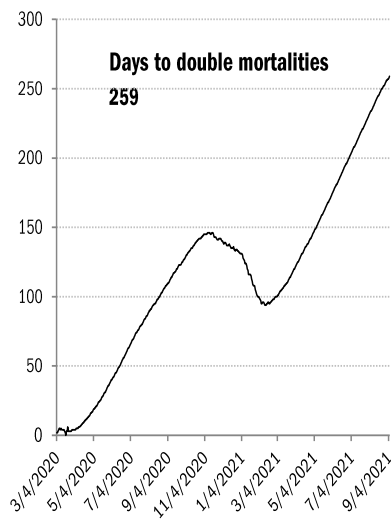
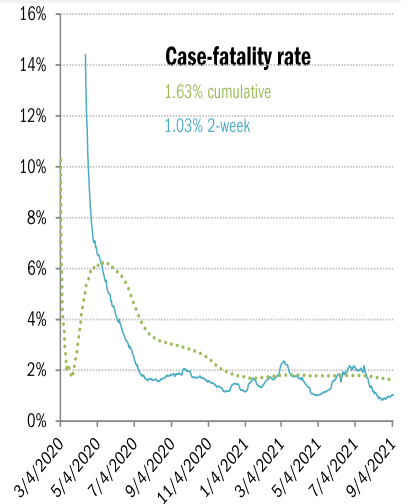
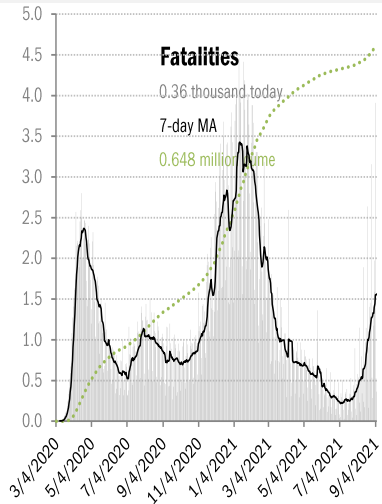
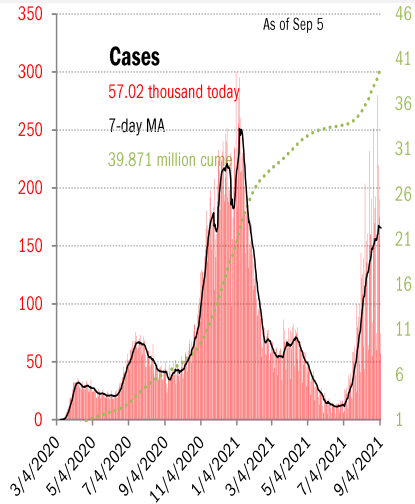
The demographics of US vaccination



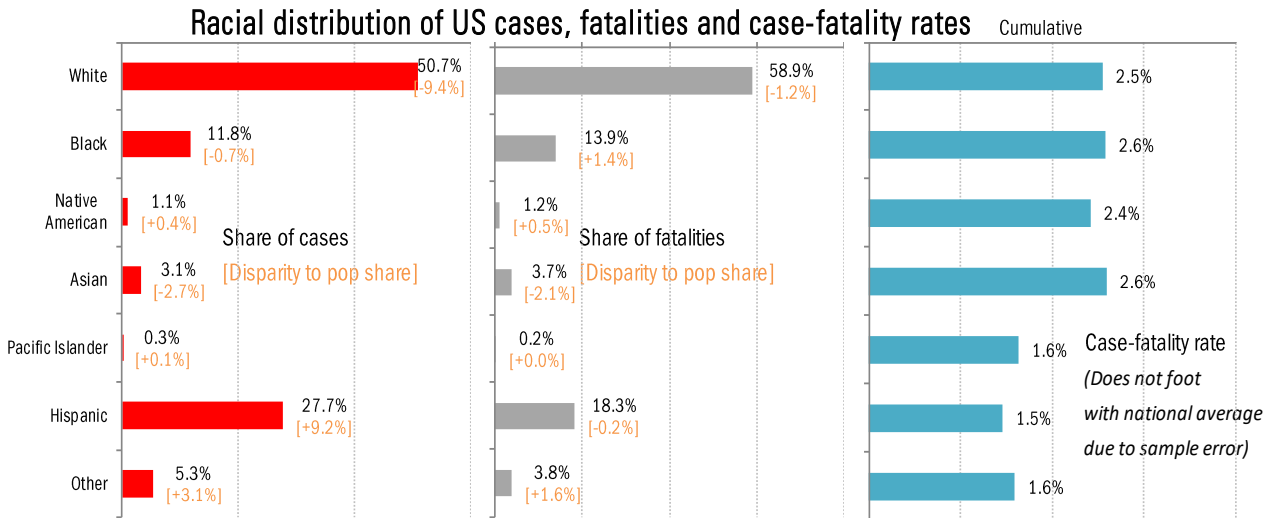
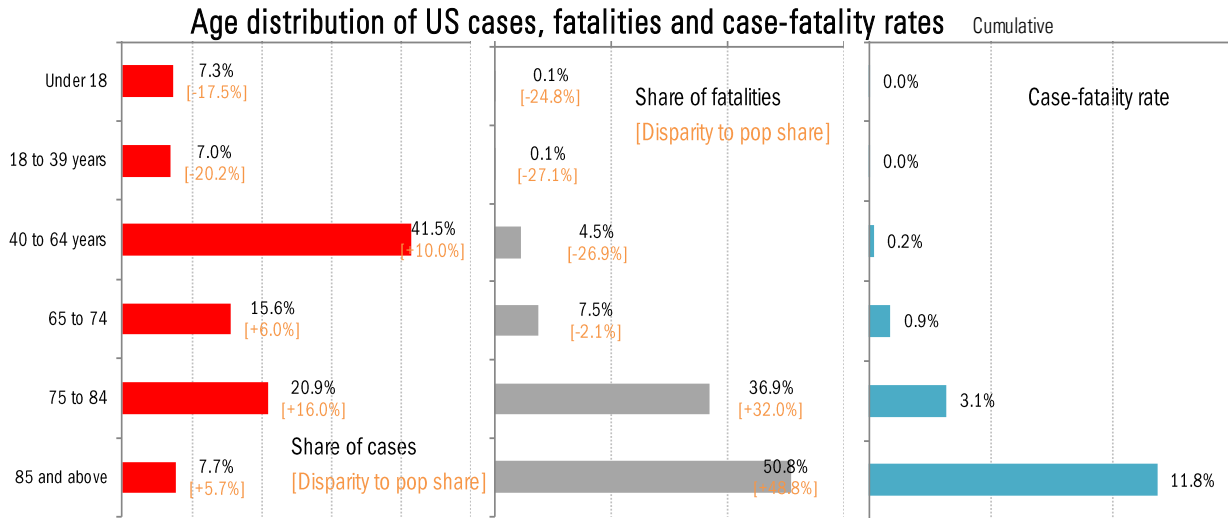
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

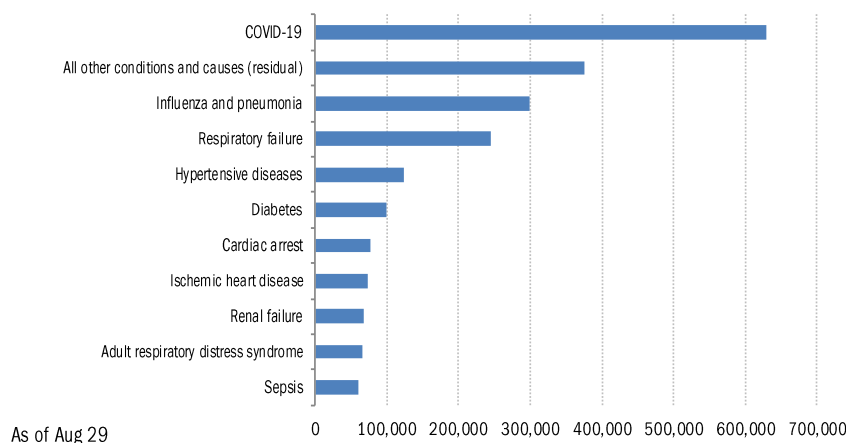


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[What Really Happened in Wuhan: A Virus Like No Other, Countless Infections, Millions of Deaths](#)

Sharri Markson
Harper Collins
September 2021

[What was Fauci's Role in the Pandemic?](#)

John Hinderaker
Power Line Blog
September 4, 2021

[How US cash funded Wuhan lab dealing in deadly viruses](#)

Sharri Markson
The Times
September 4, 2021

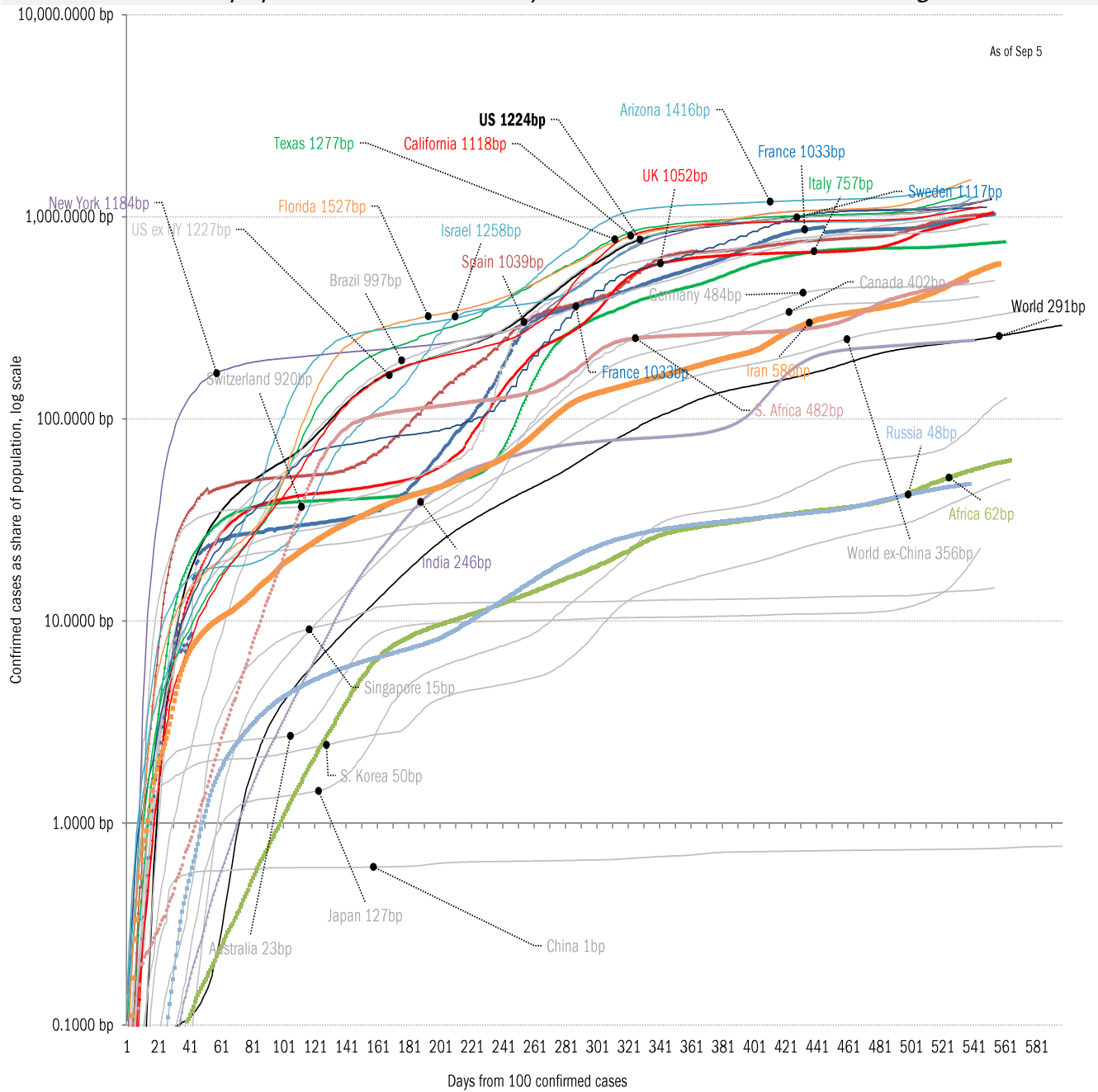
Meme of the day



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

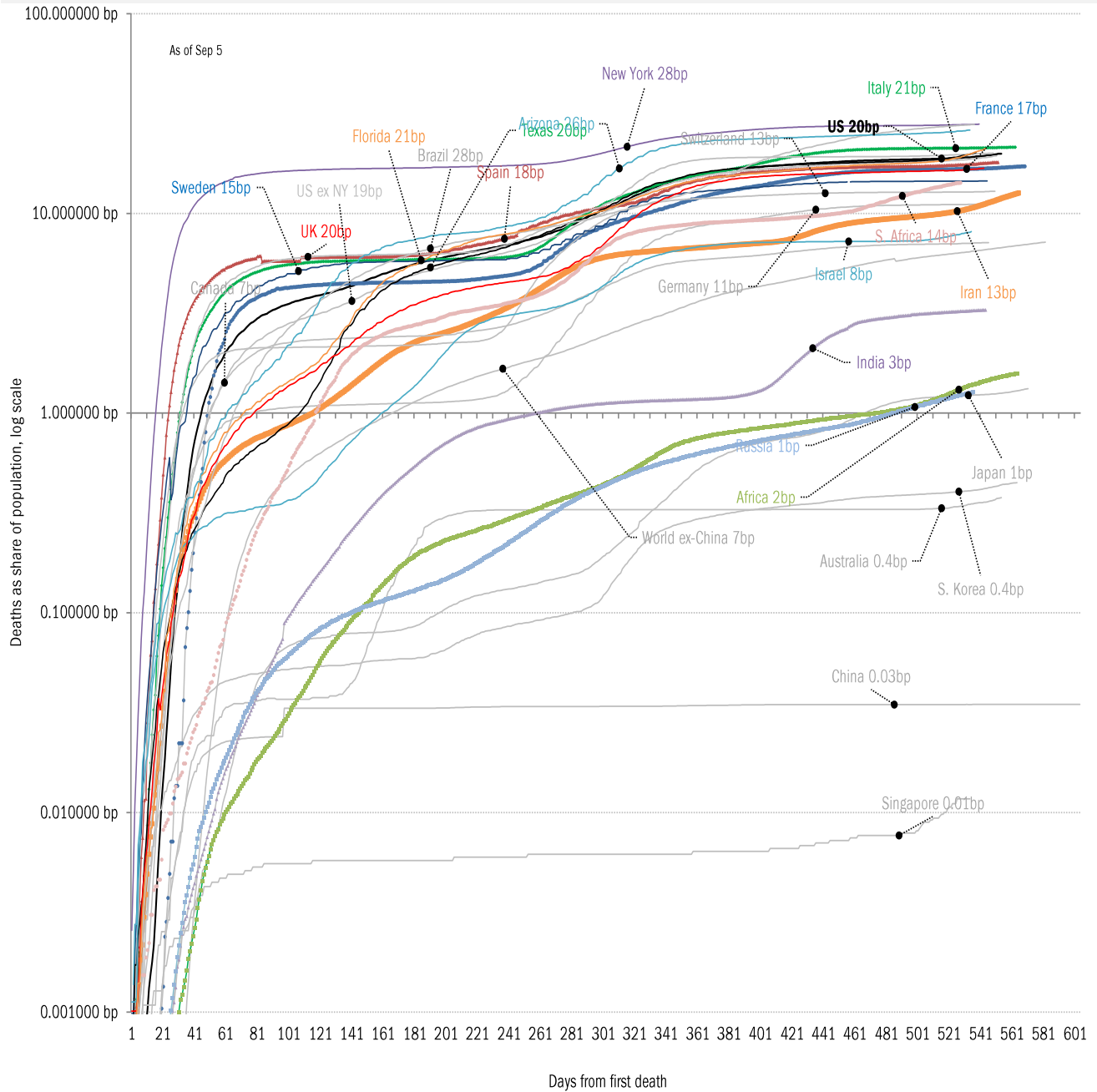
The coronavirus case accelerometer... tracking the world's infection curves

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

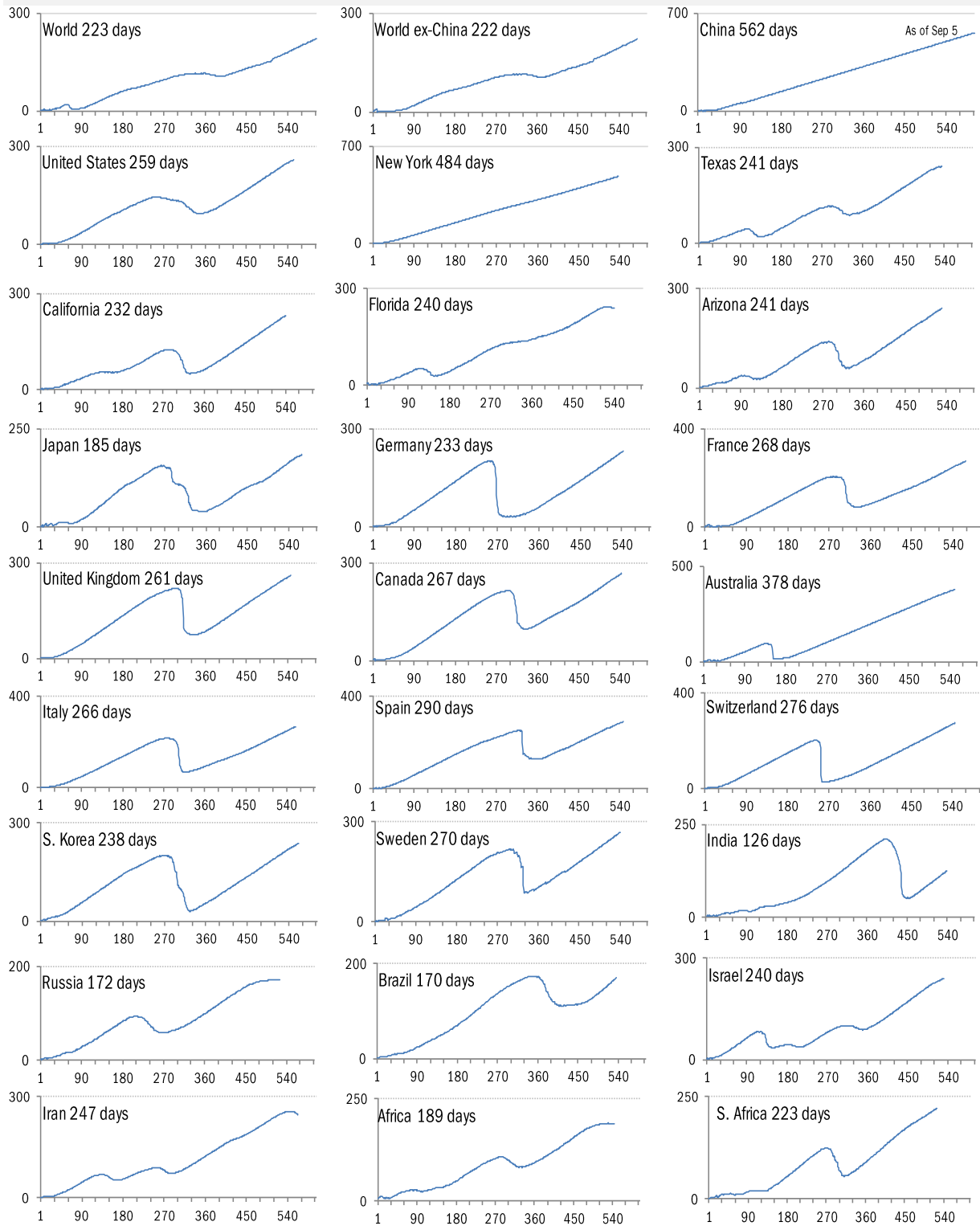


Source: [Johns Hopkins](#), TrendMacro calculations

"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

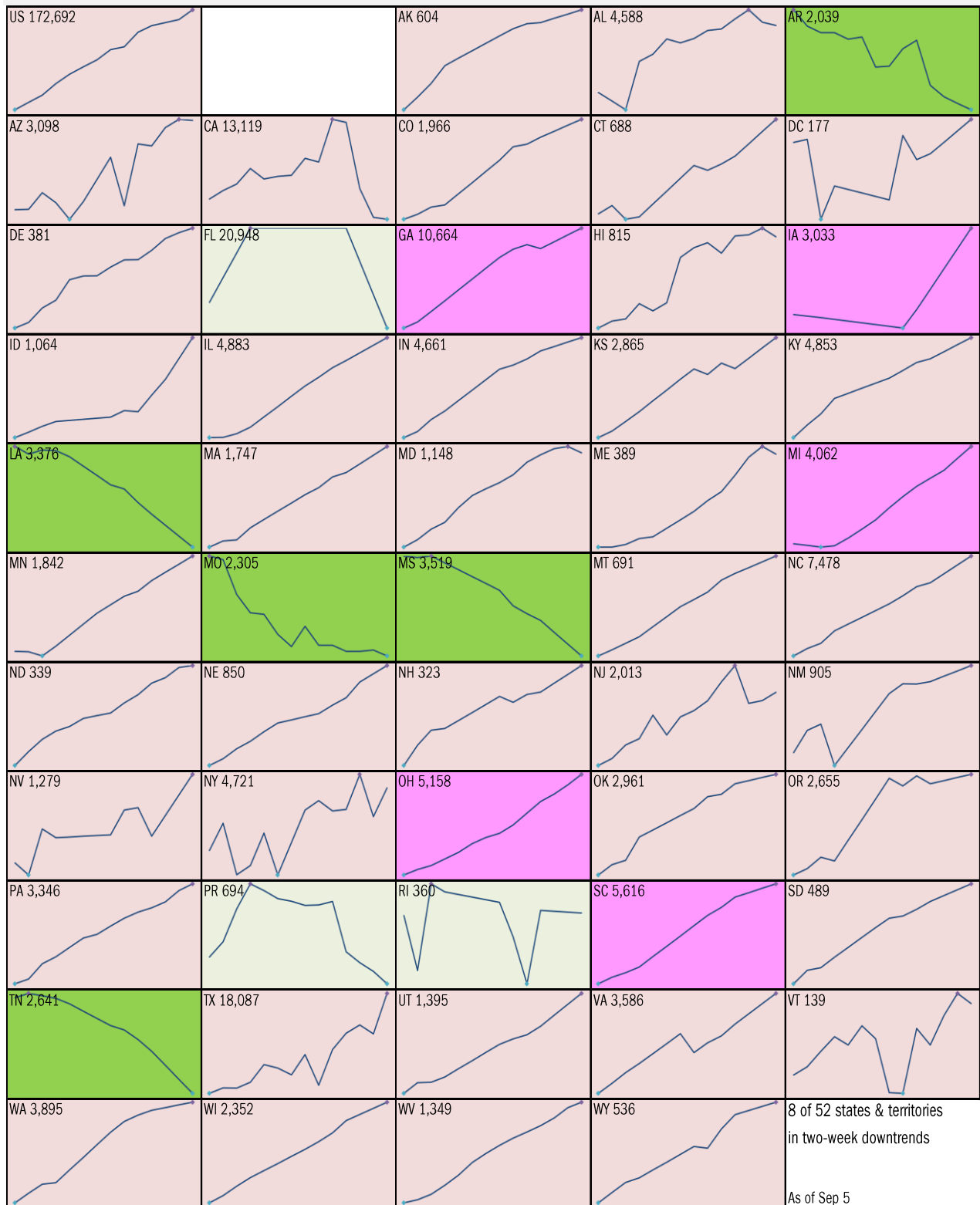


Source: [Johns Hopkins](#), TrendMacro calculations

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

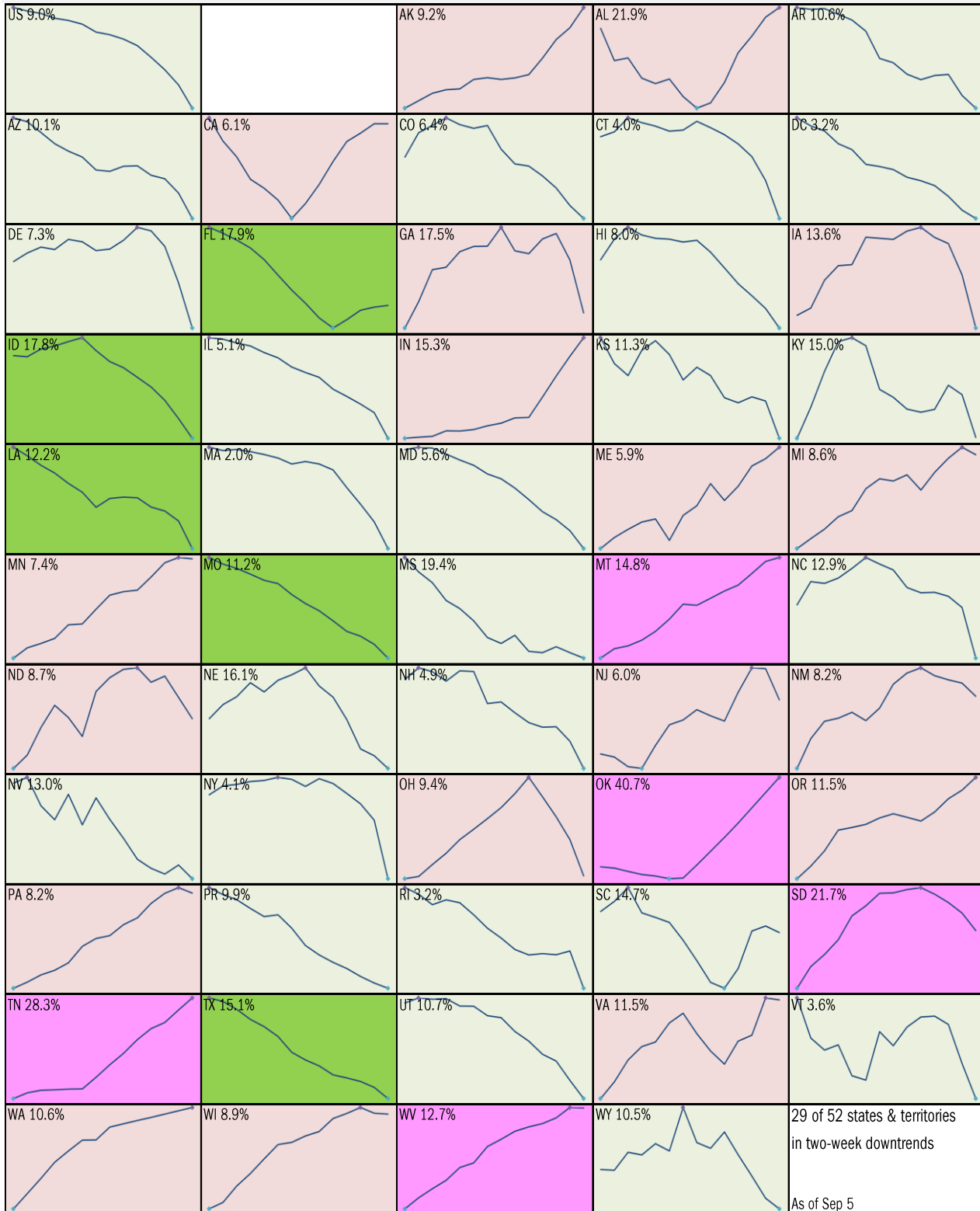


Source: [Johns Hopkins](#), TrendMacro calculations

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

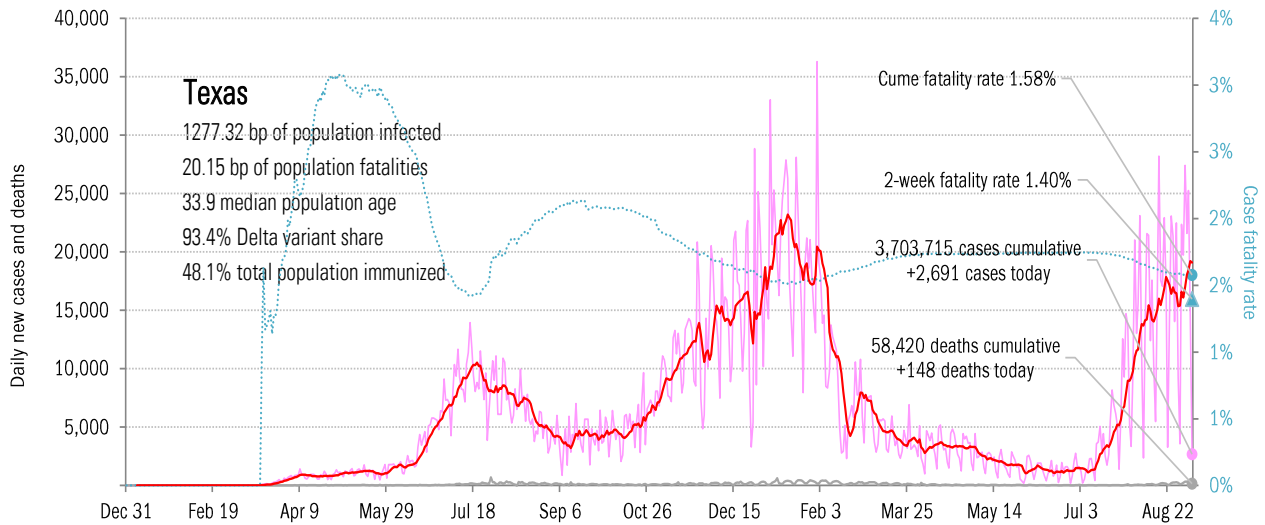
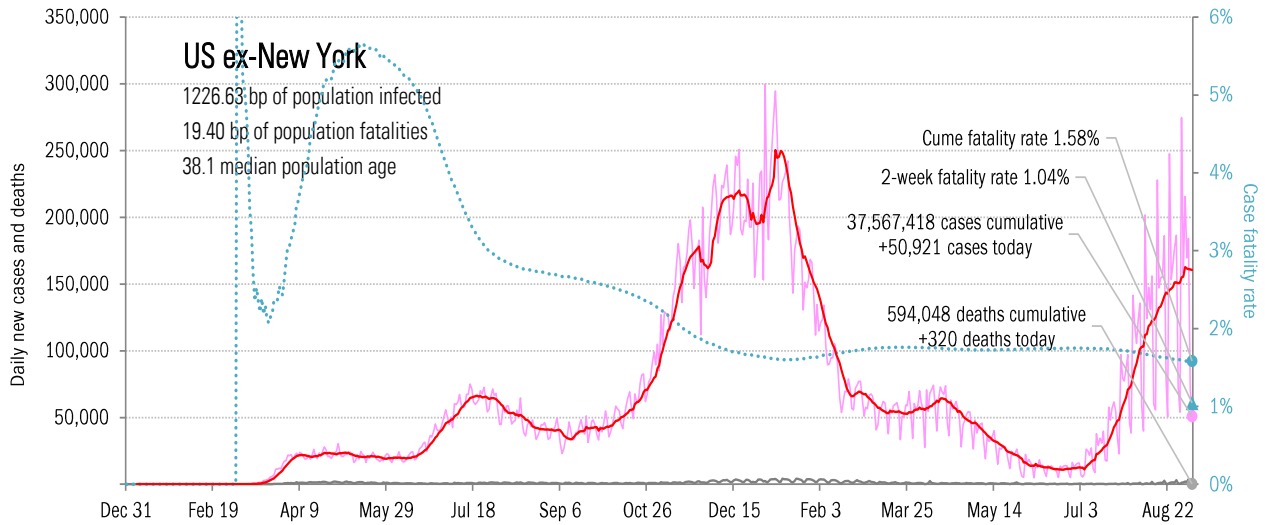
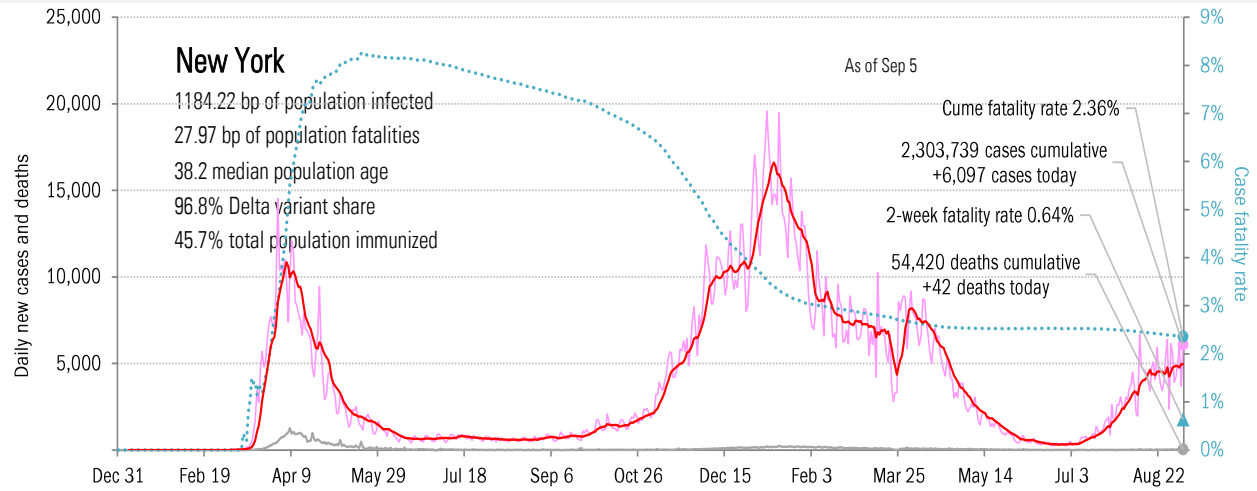
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

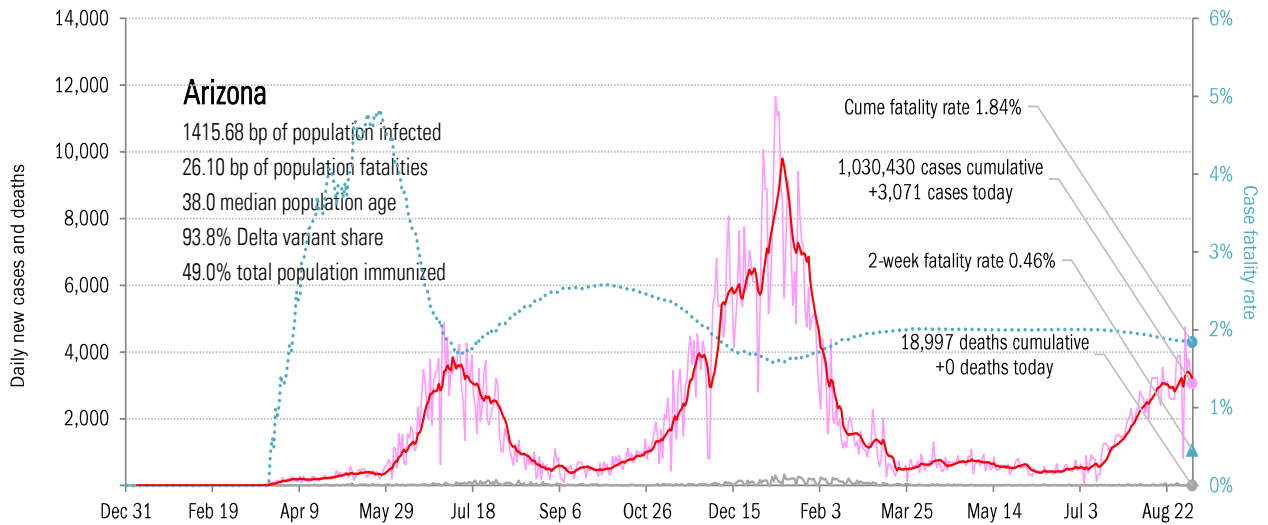
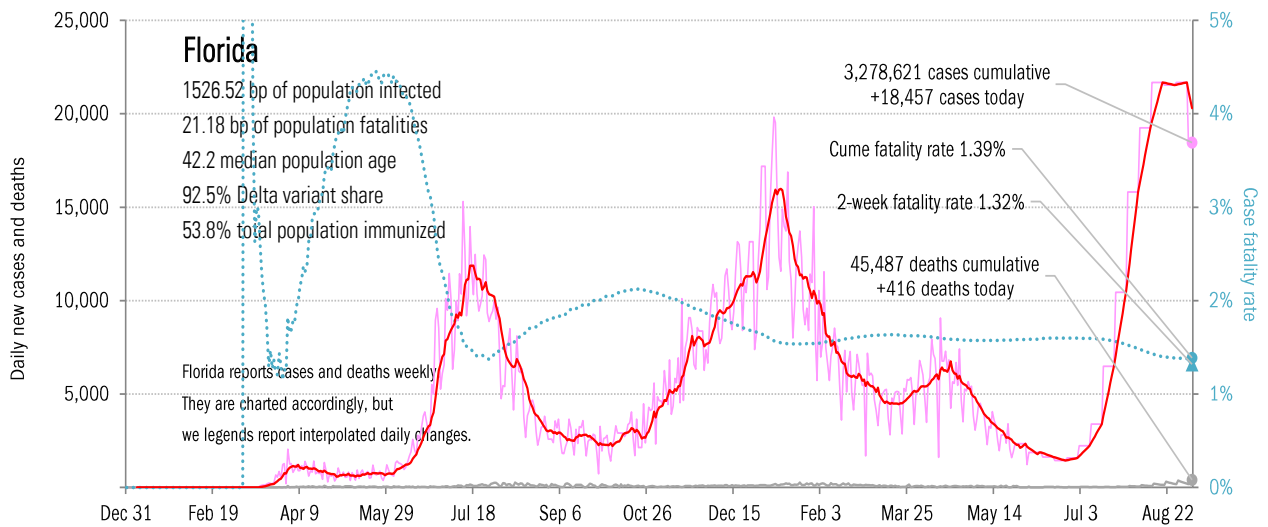
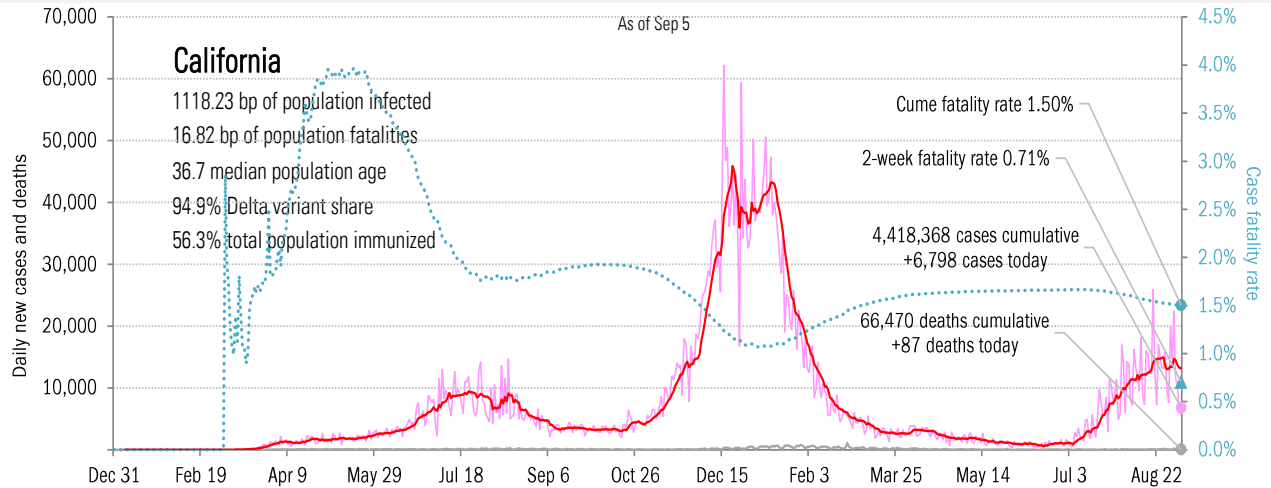
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

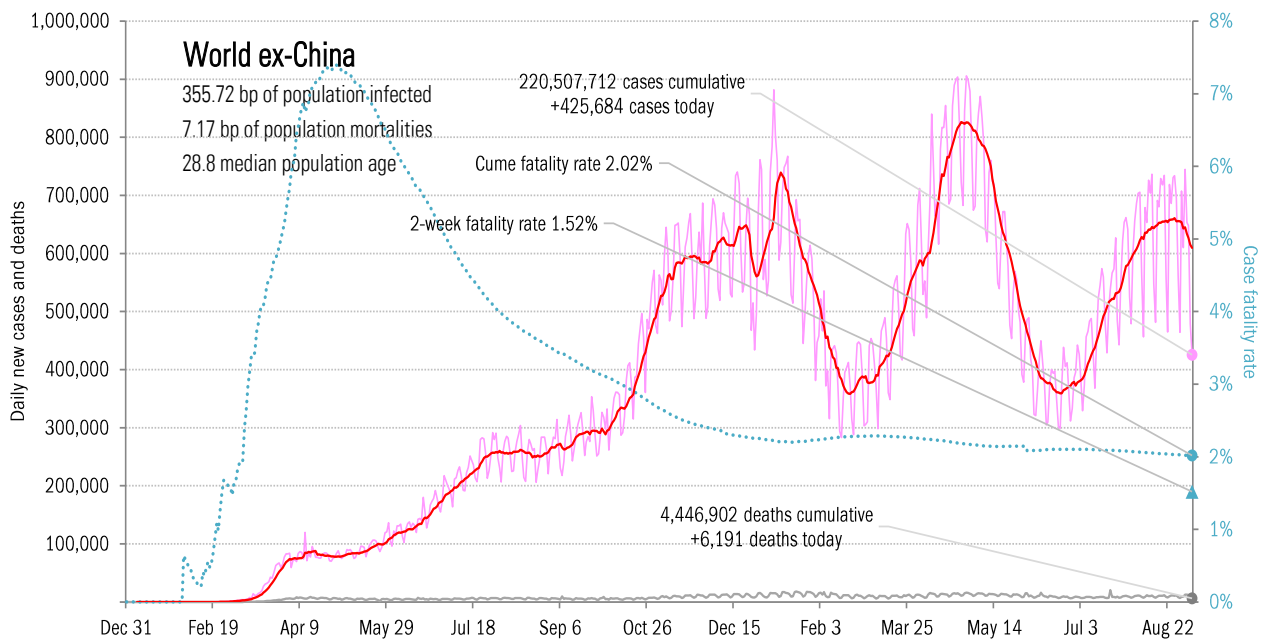
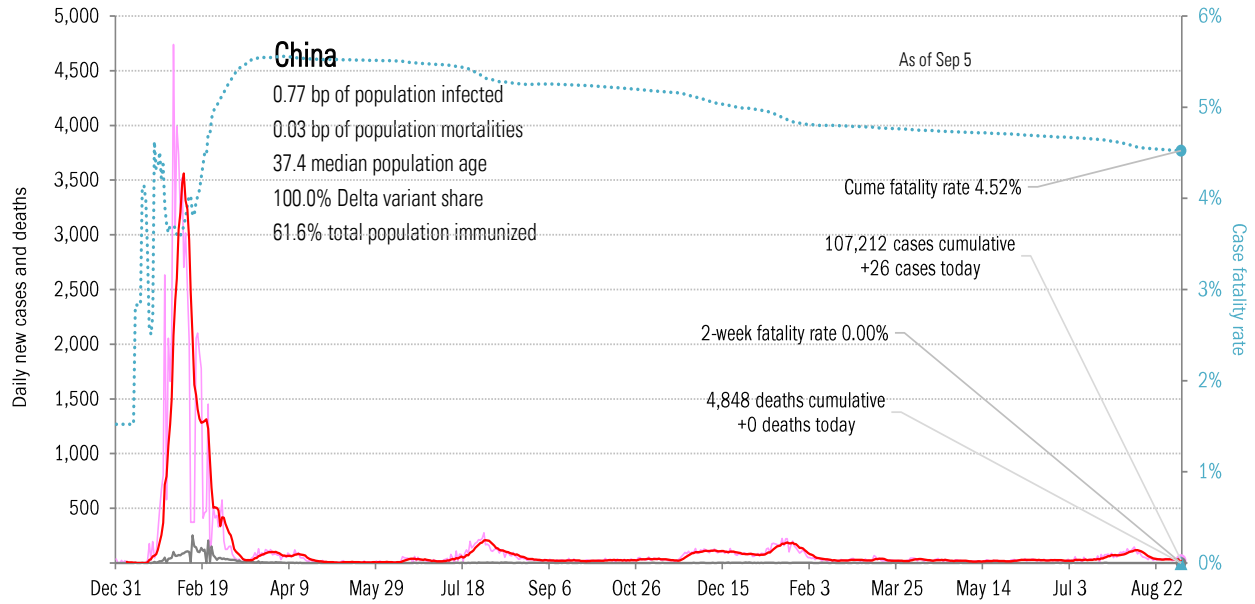
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

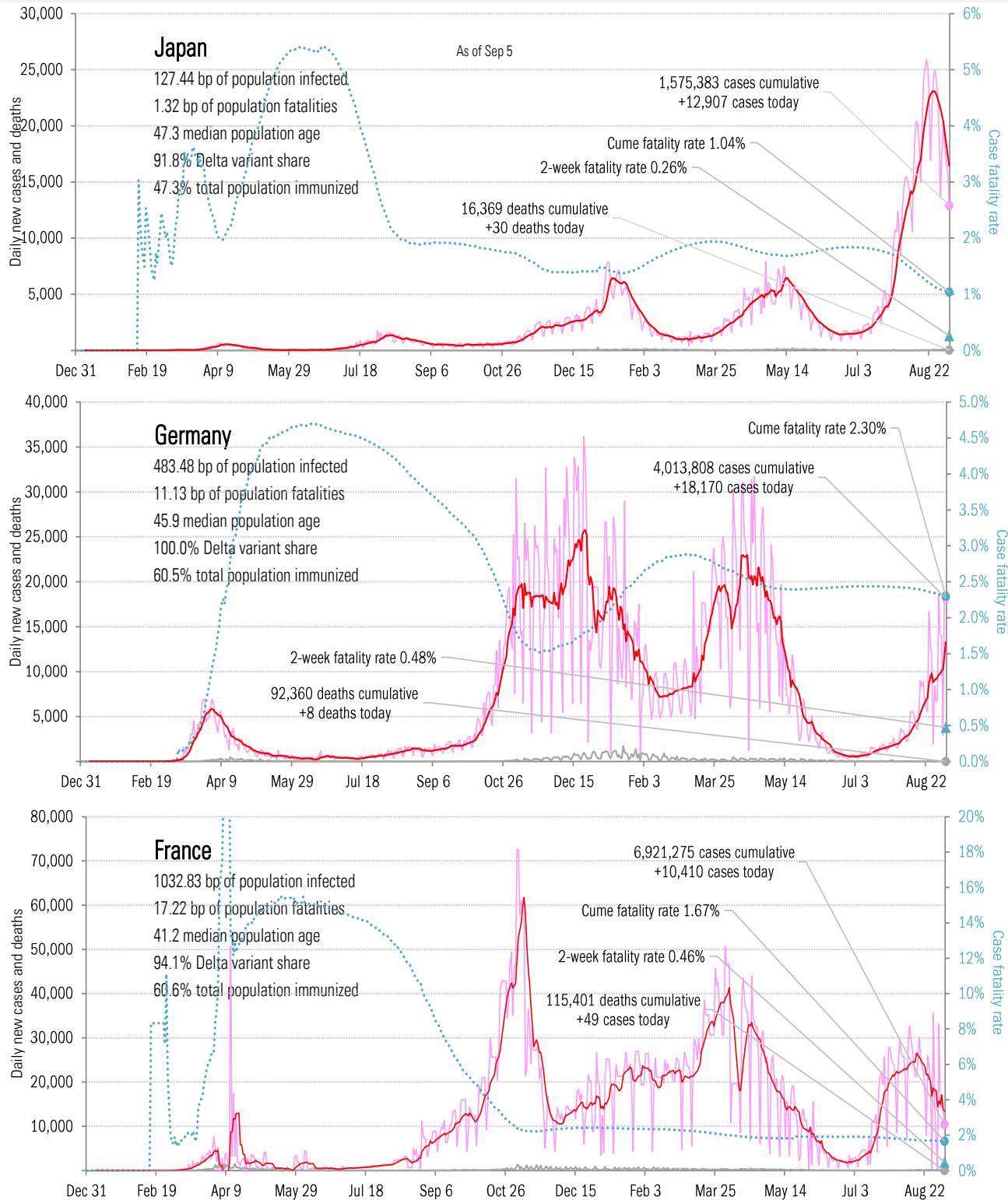
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

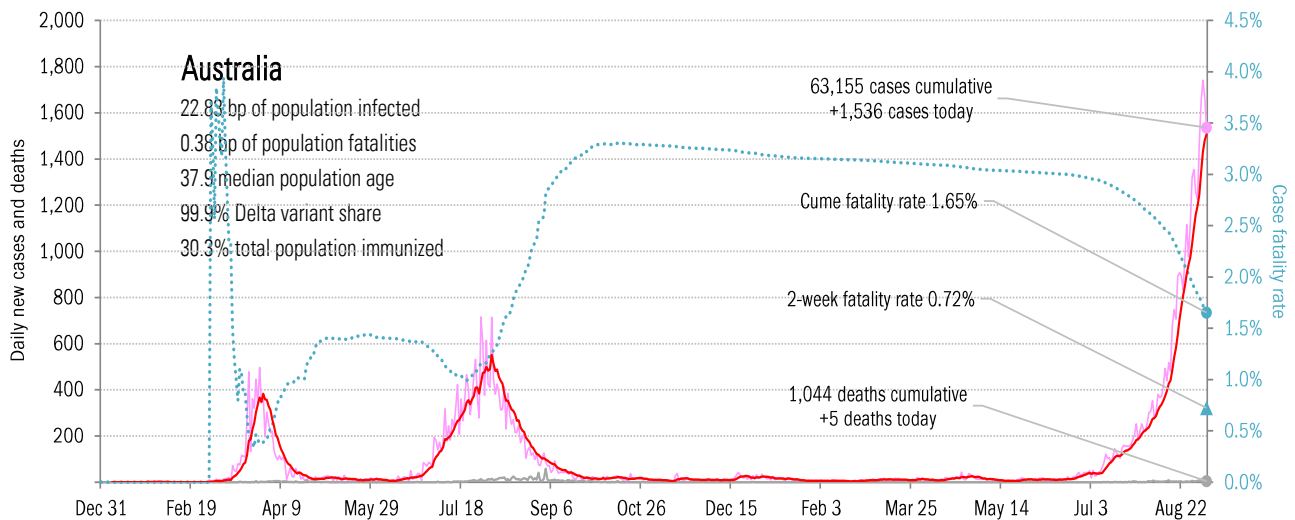
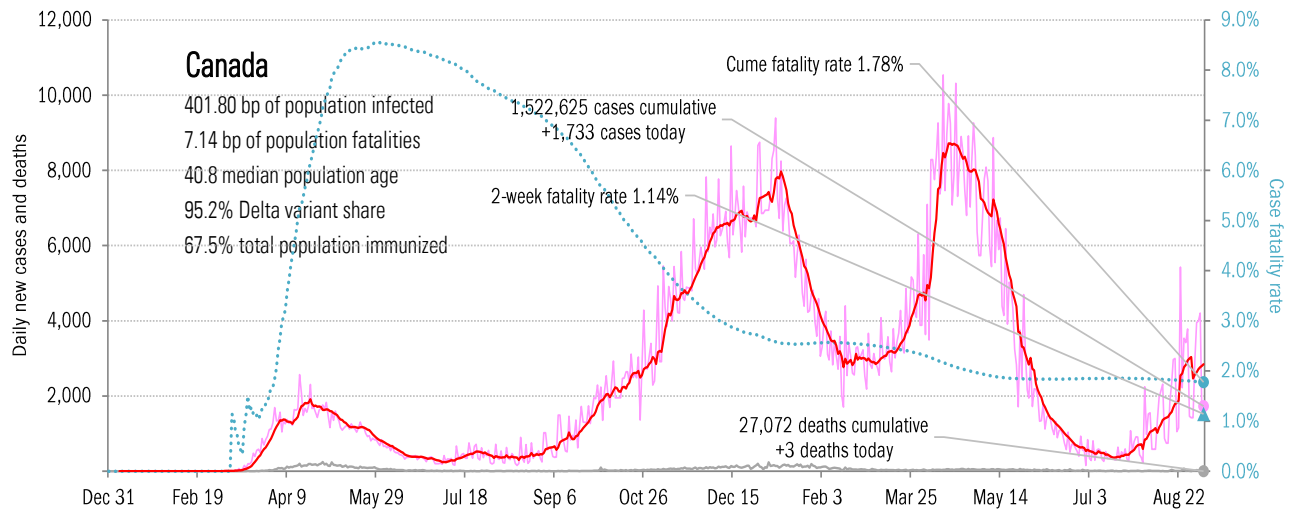
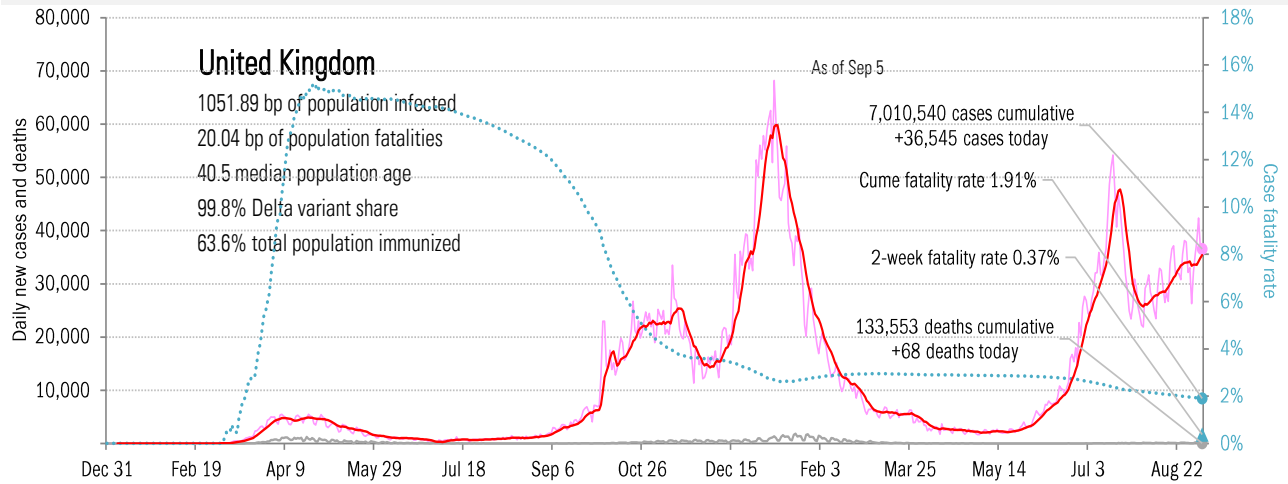
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

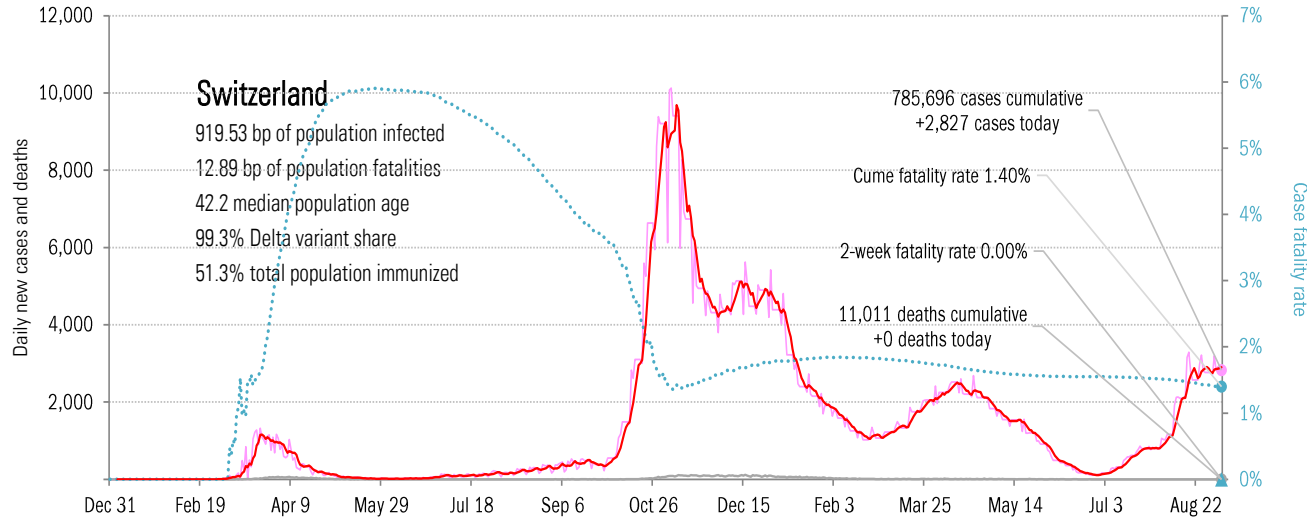
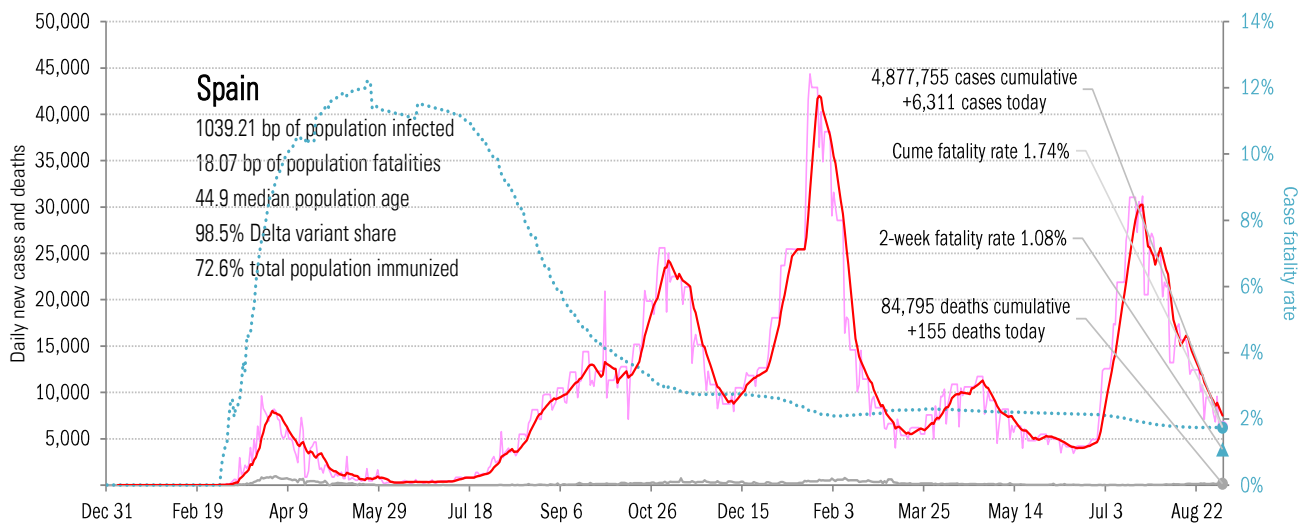
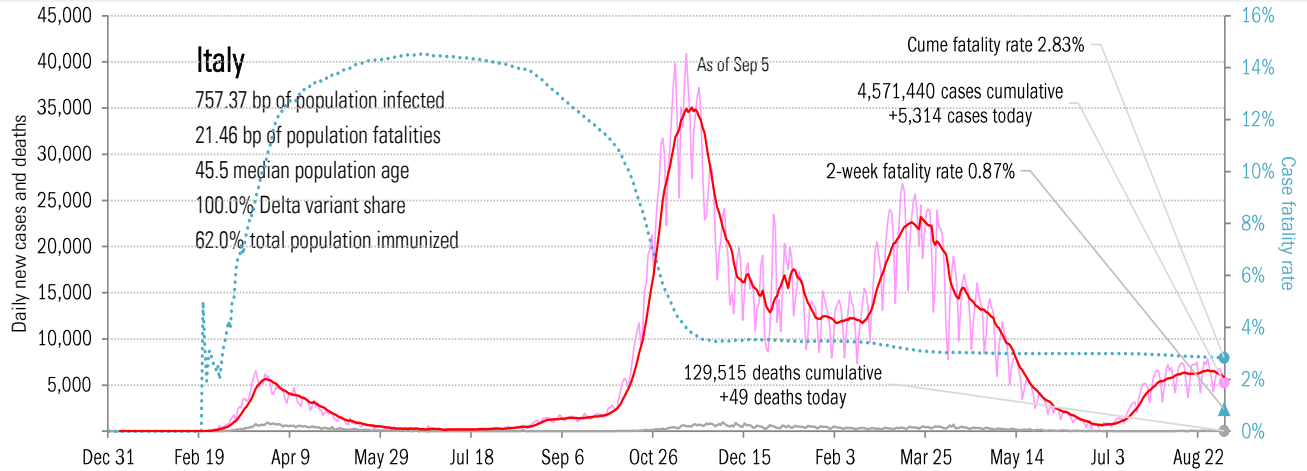
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

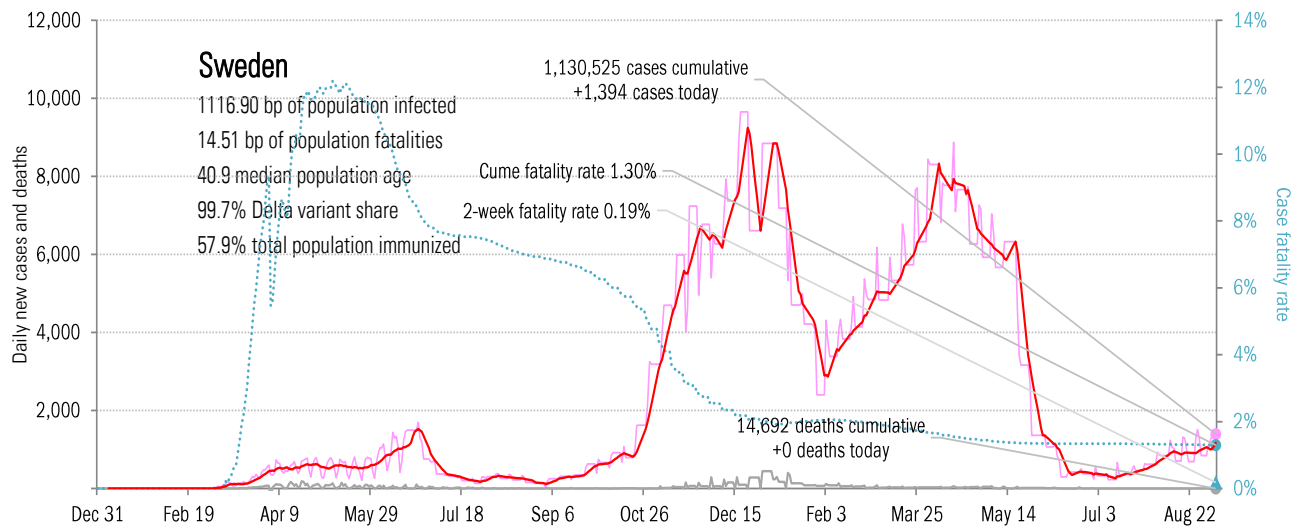
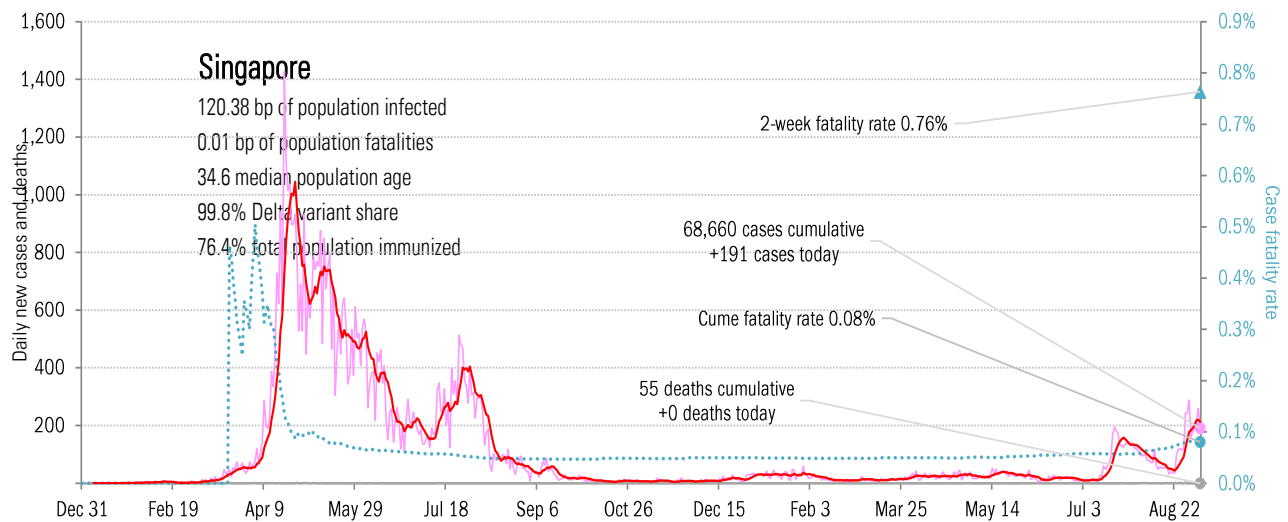
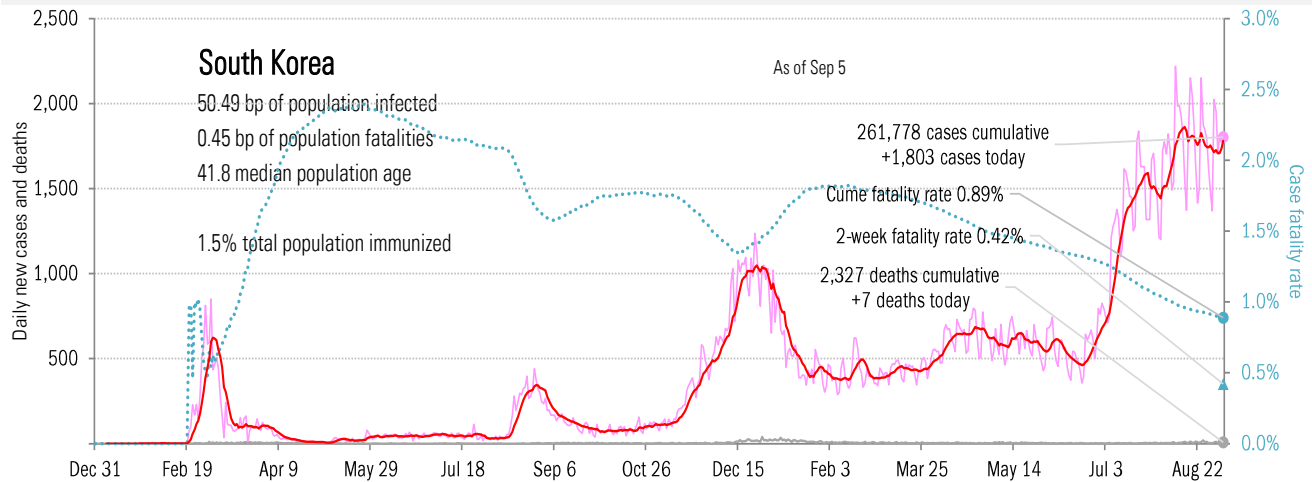
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

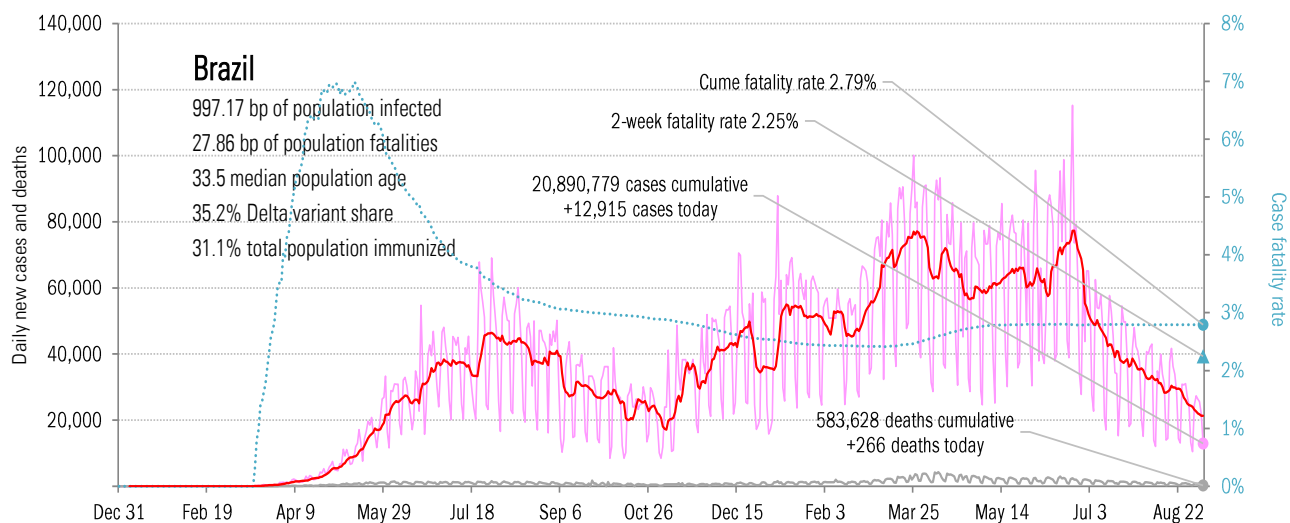
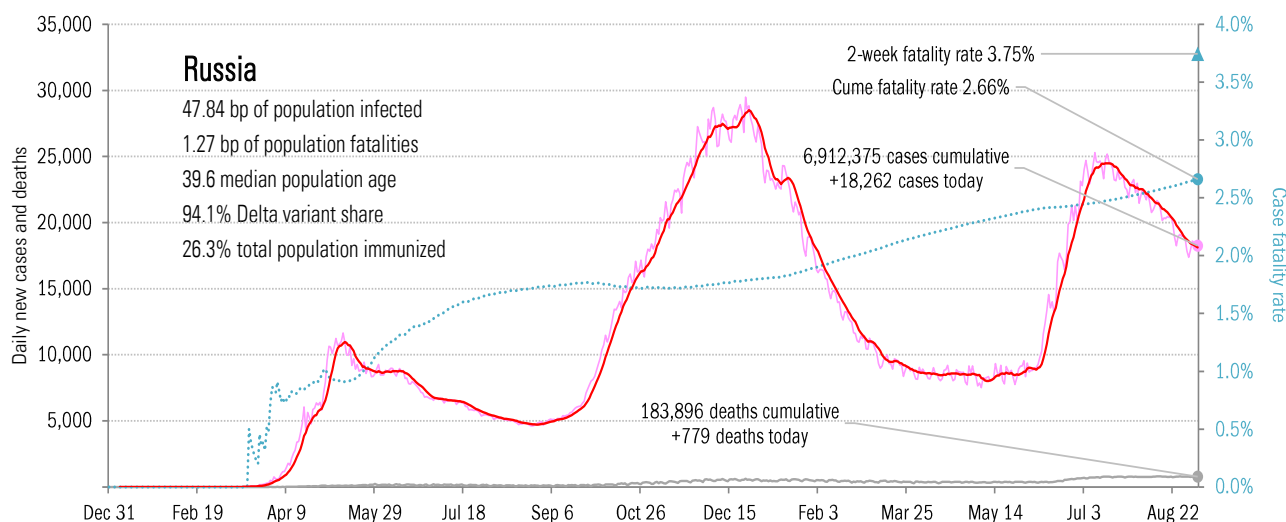
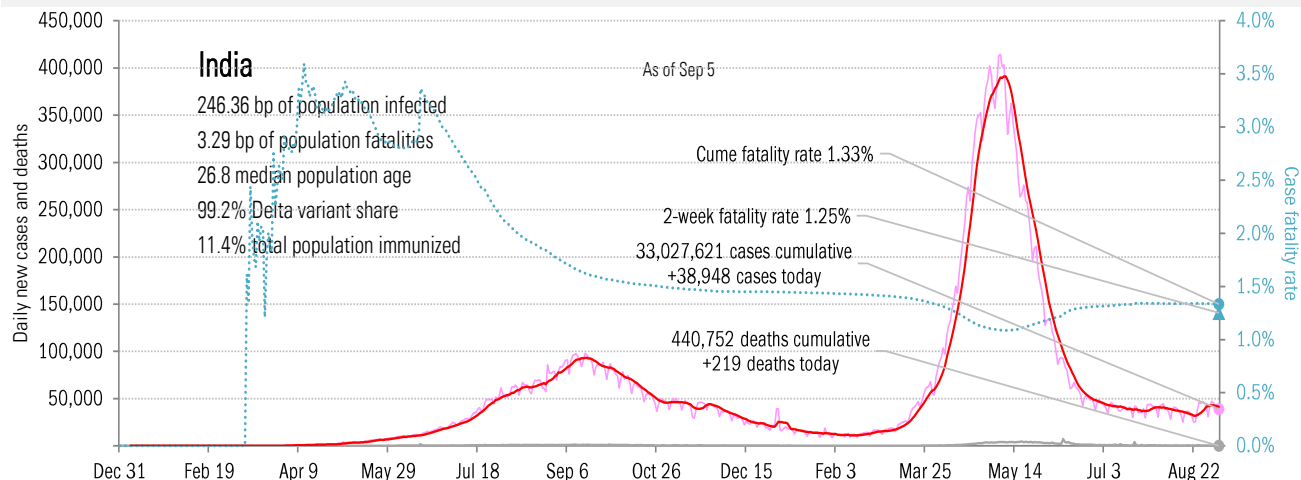
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

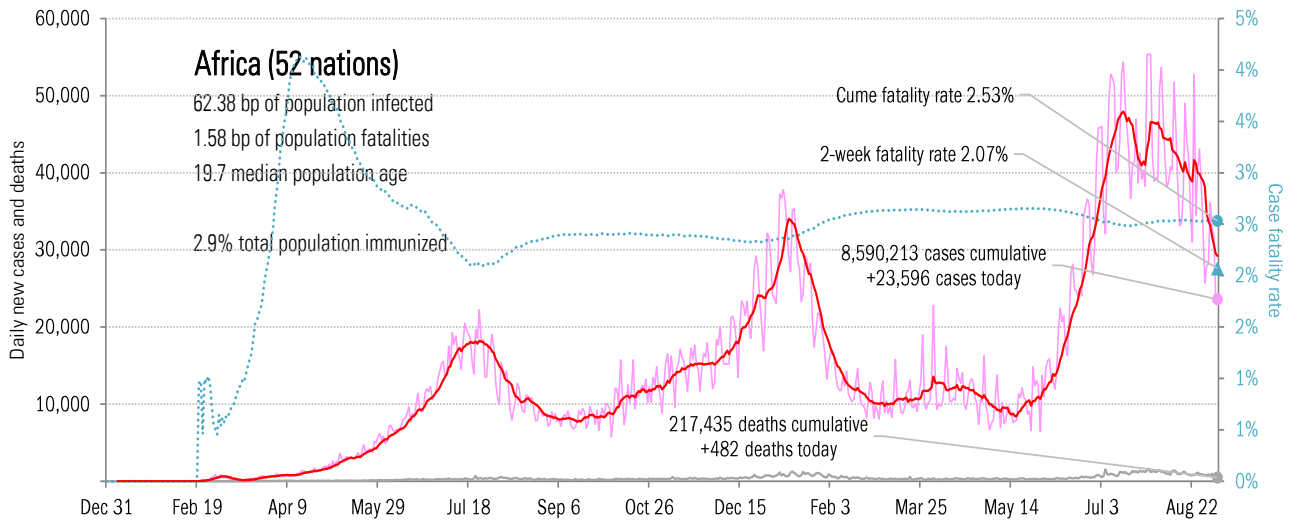
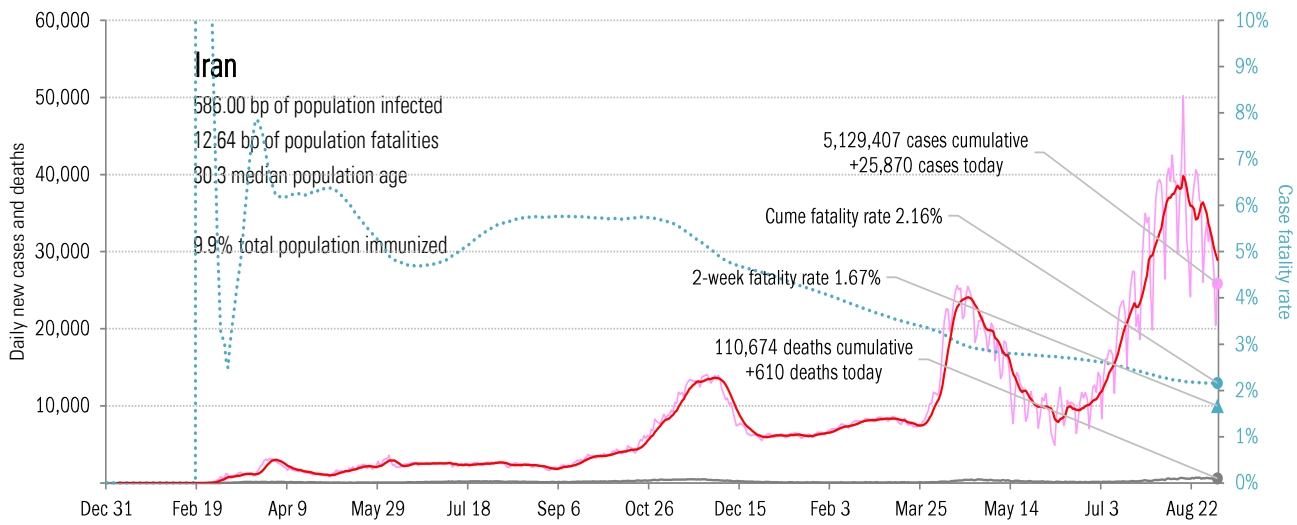
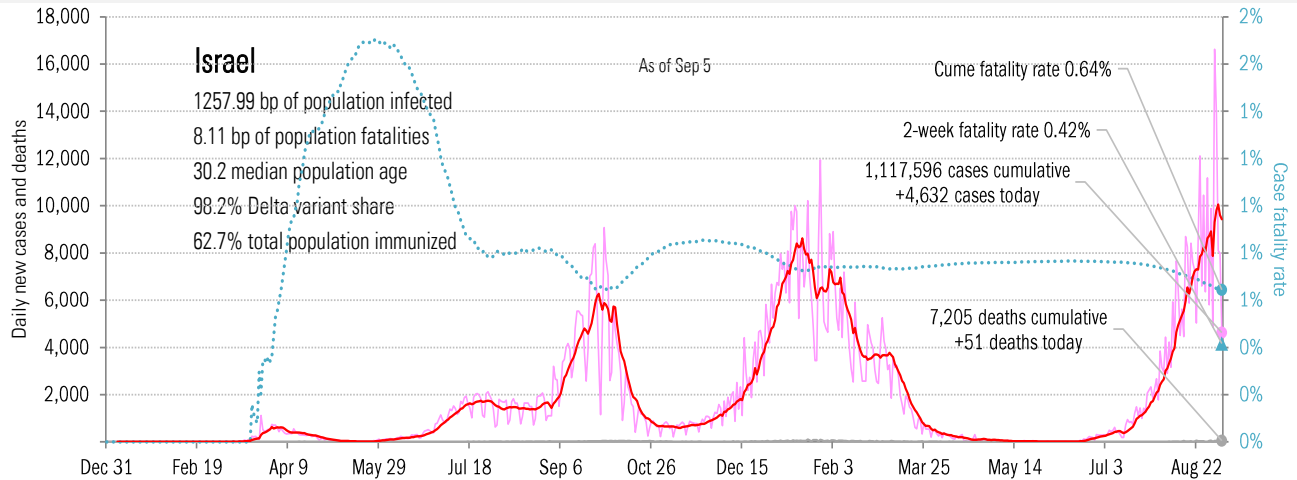
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

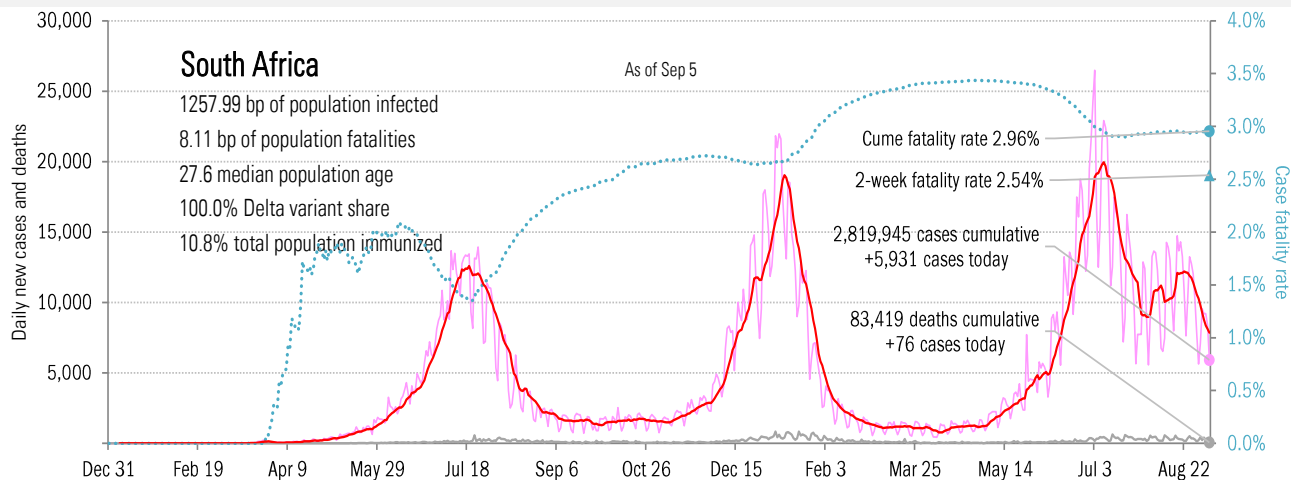
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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