

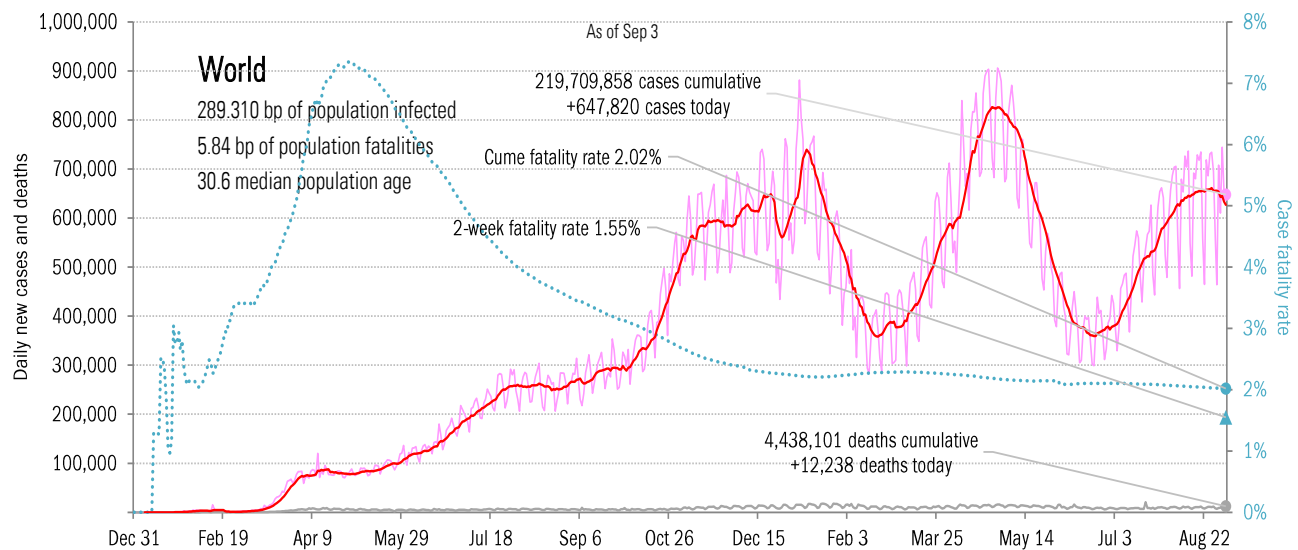
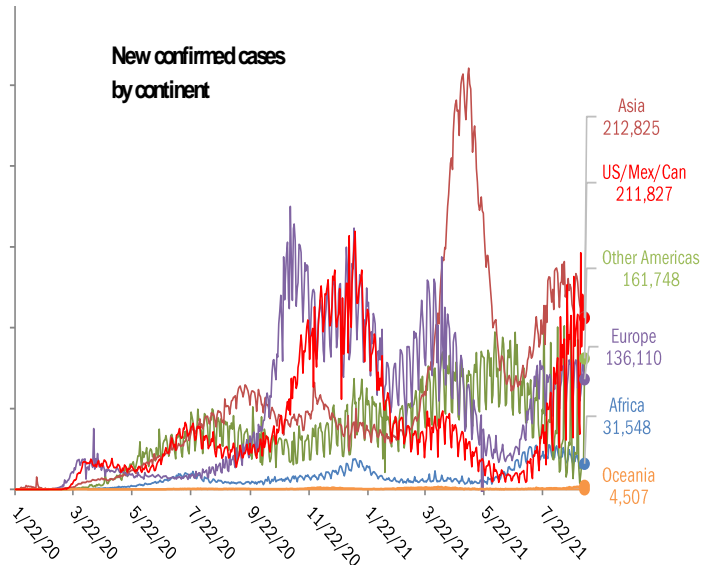
Data Insights: Covid-2019 Monitor

Saturday, September 4, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+190,212	United States	+3,910
India	+42,618	Indonesia	+1,254
United Kingdom	+42,355	Russia	+781
Iran	+27,621	Brazil	+756
Brazil	+25,565	Mexico	+725
Philippines	+20,084	Iran	+561
Malaysia	+19,378	India	+330
Russia	+18,470	Malaysia	+330
Mexico	+17,409	Vietnam	+308
Indonesia	+16,752	Thailand	+271
+420,464		+9,226	
World	+647,820	World	+12,238
Top ten	65%	Top ten	75%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

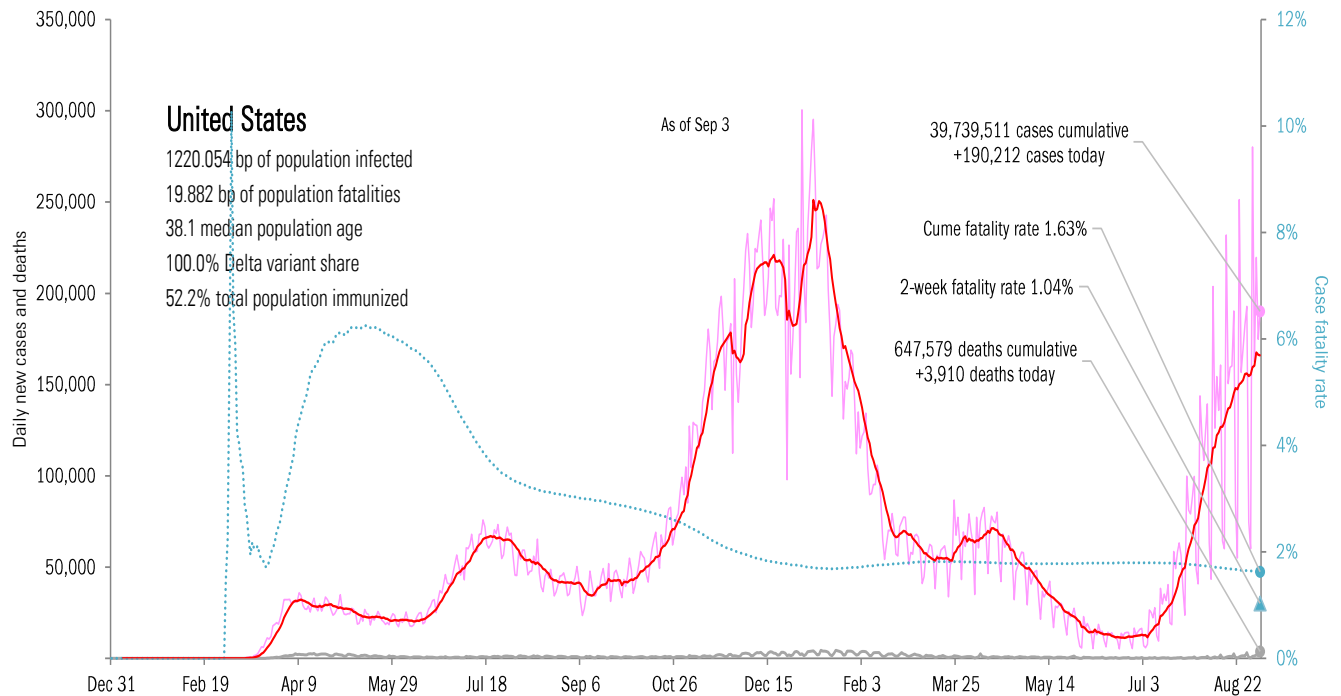
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+25,261		TX	+291		CH	+111		CA	4,405,324		CA	66,301		TX	325,303		GA	90%	AL	106%
FL	+18,457		FL	+183		KY	+95		TX	3,686,502		TX	57,995		FL	281,947		RI	86%	GA	97%
GA	+12,018		CA	+119		GA	+90		FL	3,241,706		NY	54,361		CA	281,313		MD	86%	TX	94%
CA	+10,613		GA	+114		TN	+71		NY	2,293,966		FL	44,607		NY	147,916		MA	85%	FL	94%
NC	+8,590		NC	+83		WI	+58		IL	1,538,324		PA	28,352		GA	138,017		PA	84%	MS	93%
TN	+6,698		CH	+81		AZ	+56		GA	1,433,714		NJ	26,929		PA	98,862		FL	84%	KY	92%
SC	+6,221		AZ	+80		IN	+47		PA	1,311,722		IL	26,500		CH	98,815		MO	84%	AR	92%
CH	+6,179		TN	+75		NY	+40		CH	1,241,268		GA	23,120		KY	95,773		SC	83%	MO	90%
IL	+5,980		AL	+64		MD	+33		NC	1,237,393		MI	21,672		IL	93,483		CT	81%	NM	89%
NY	+5,965		MI	+56		SC	+33		NJ	1,098,526		CH	20,947		MI	78,375		AL	81%	LA	89%
+105,982			+1,146			+634			21,488,445			370,784			1,639,804						
All states	+190,212		+1,748			+209			All states	39,739,511		647,579			2,901,386			All states	70%	67%	
Top ten	56%		66%			303%			Top ten	54%		57%			57%			Median	77%	79%	

Some states not reporting

Five most improved US states

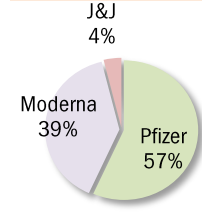
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
PA	-1,147	FL	-261	PA	-87	AZ	+80 bp
CA	-946	PA	-63	IL	-77	MS	+80 bp
CH	-908	CT	-36	NC	-68	LA	+40 bp
NE	-862	TX	-32	ID	-54	MP	+30 bp
NJ	-807	CA	-27	AR	-48	NH	+30 bp



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	383,966,088		+1.433 million		US	52.2%	61.4%	
	One dose	% Pop	Immune	% pop	New immune today	UK	63.3%	70.6%
Total population	211,441,941	63%	180,001,414	54%	+0.571 million	France	60.6%	72.2%
Age 12 to 17	12,692,116	53%	9,742,576	41%	+0.095 million	Spain	72.6%	78.5%
Age 18 to 64	145,607,010	72%	123,028,579	60%	+0.408 million	Germany	60.5%	65.0%
Age 65 and over	52,117,183	95%	46,393,170	85%	+0.066 million	Italy	61.7%	71.3%
						Australia	29.5%	49.4%
						Israel	62.6%	68.4%
						Canada	67.3%	73.7%
						Japan	47.3%	58.3%
						Africa	2.9%	5.2%
						India	11.2%	37.3%
						Brazil	30.1%	64.1%
						China	61.6%	74.3%



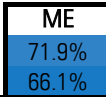
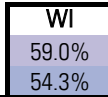
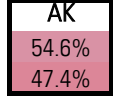
State
At least partial immunity as % population
Full immunity as % population



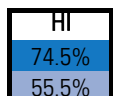
Every American >18 immune in **73 days** by Nov 15, 2021
 65.6% of population >18 immunized
 13.5% previously tested positive
79.1% vs 60% adult herd immunity

As of Sep 3

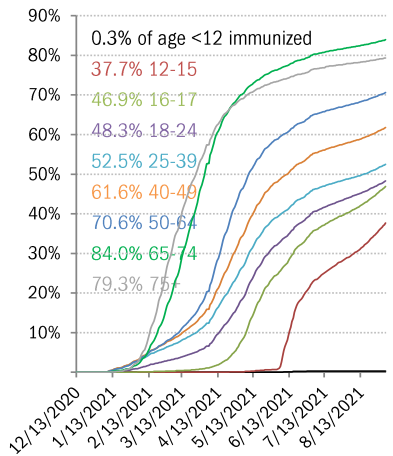
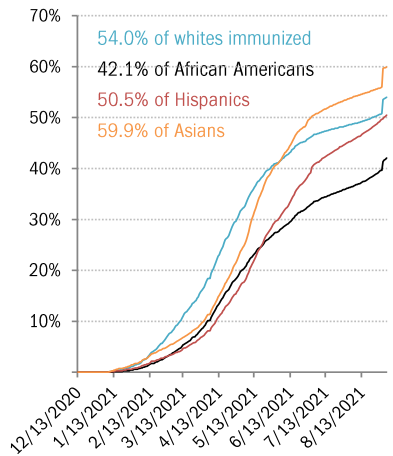
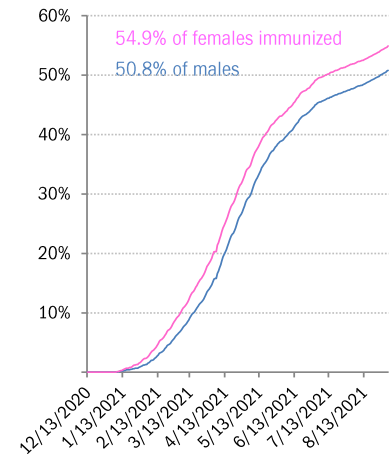
Global data differs from sources, timing



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
68.3%	44.6%	52.4%	48.6%	62.1%	66.3%	55.4%	67.9%	76.3%	67.6%	
60.5%	39.5%	46.2%	42.0%	56.2%	51.5%	50.7%	60.6%	68.1%	60.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
64.4%	58.3%	45.8%	56.7%	56.5%	50.4%	52.7%	69.8%	70.3%	75.6%	
58.4%	48.2%	39.2%	49.5%	52.0%	46.5%	48.6%	55.5%	61.9%	66.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
69.3%	56.7%	63.7%	57.8%	53.0%	57.6%	47.2%	65.6%	68.5%	74.0%	72.1%
56.2%	47.9%	57.2%	52.4%	45.4%	49.0%	39.7%	57.6%	61.8%	66.3%	65.2%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	57.2%	70.3%	57.7%	53.7%	50.1%	56.3%	52.1%	67.8%	64.4%	
	48.9%	60.4%	48.6%	42.2%	42.2%	46.8%	43.8%	57.5%	55.6%	
			OK	LA	MS	AL	GA			
			53.8%	49.9%	47.5%	50.2%	51.9%			
			44.3%	42.0%	39.3%	38.8%	42.1%			
			TX					FL		PR
			57.5%					64.3%		75.0%
			47.9%					53.6%		63.7%



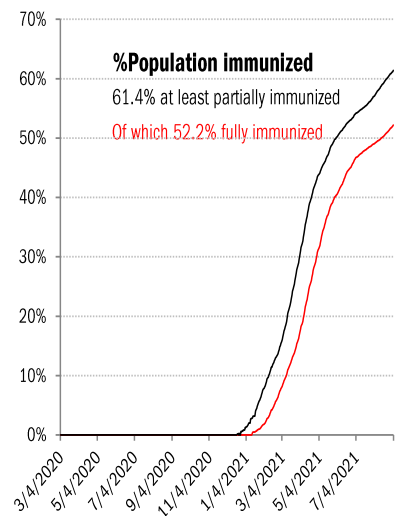
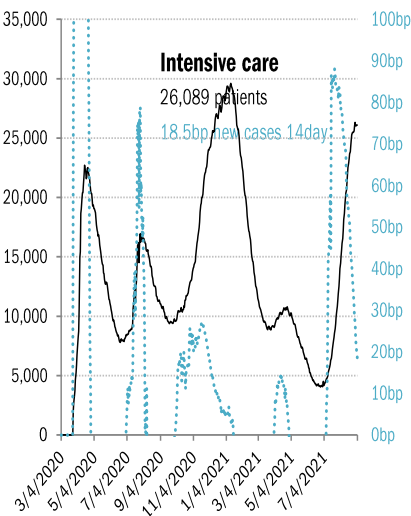
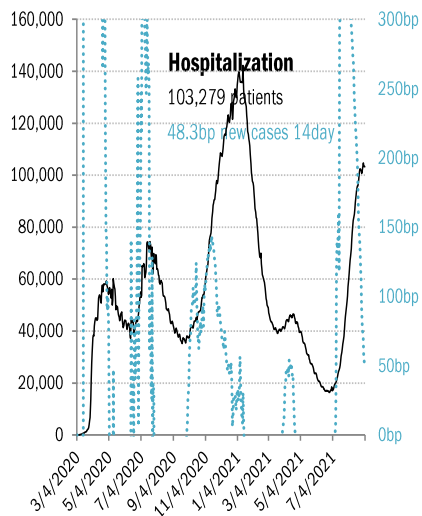
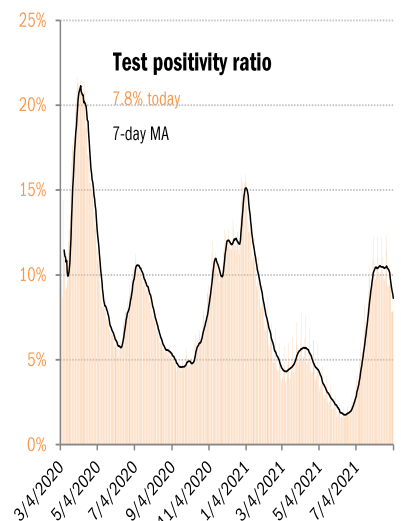
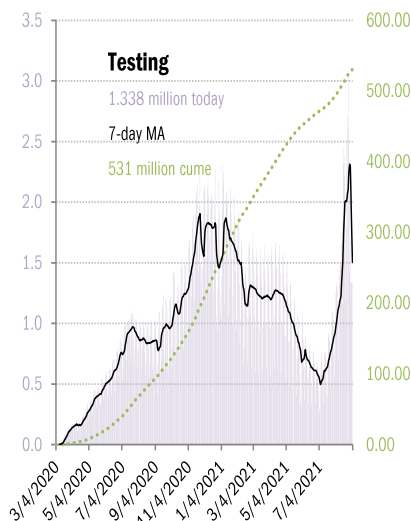
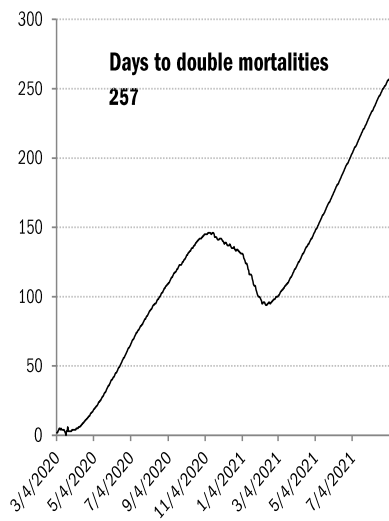
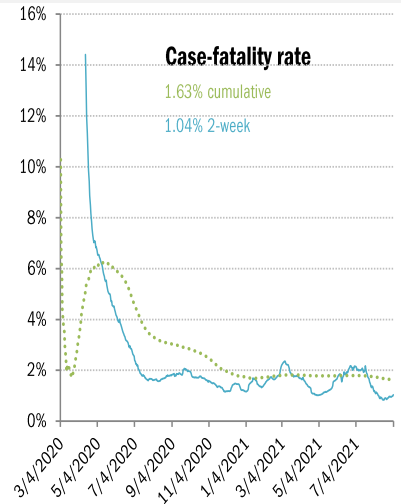
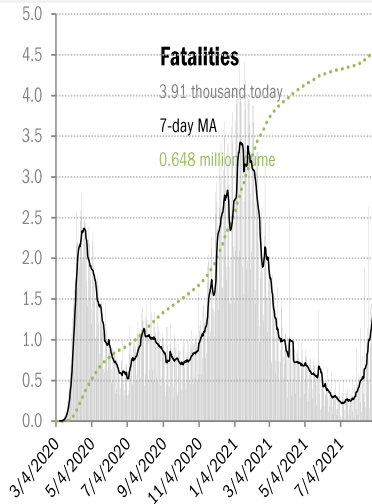
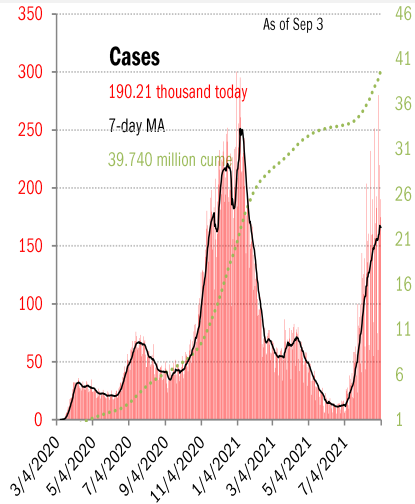
The demographics of US vaccination



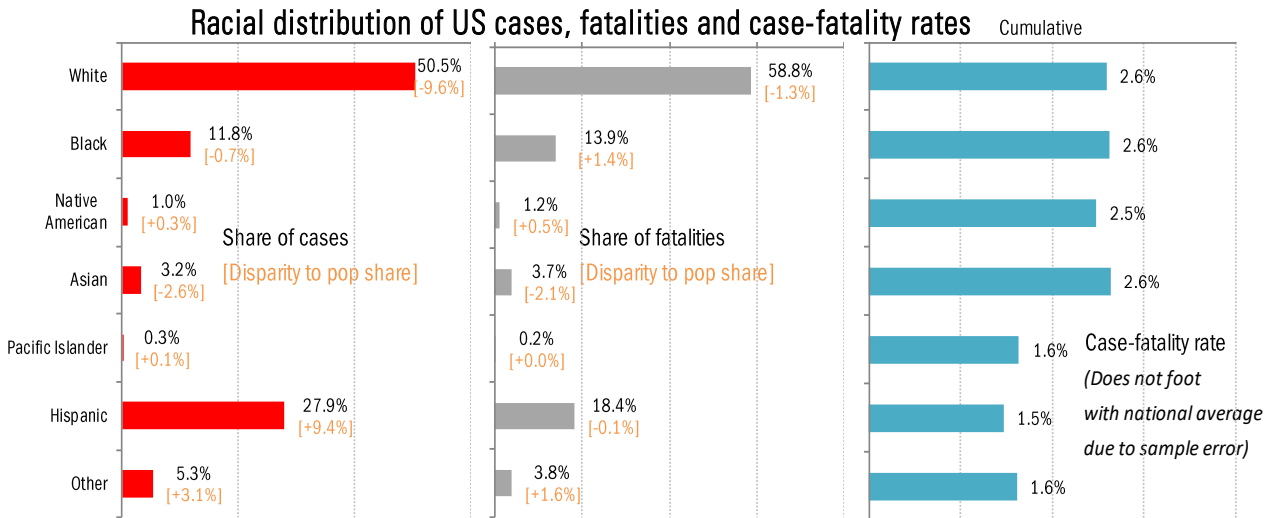
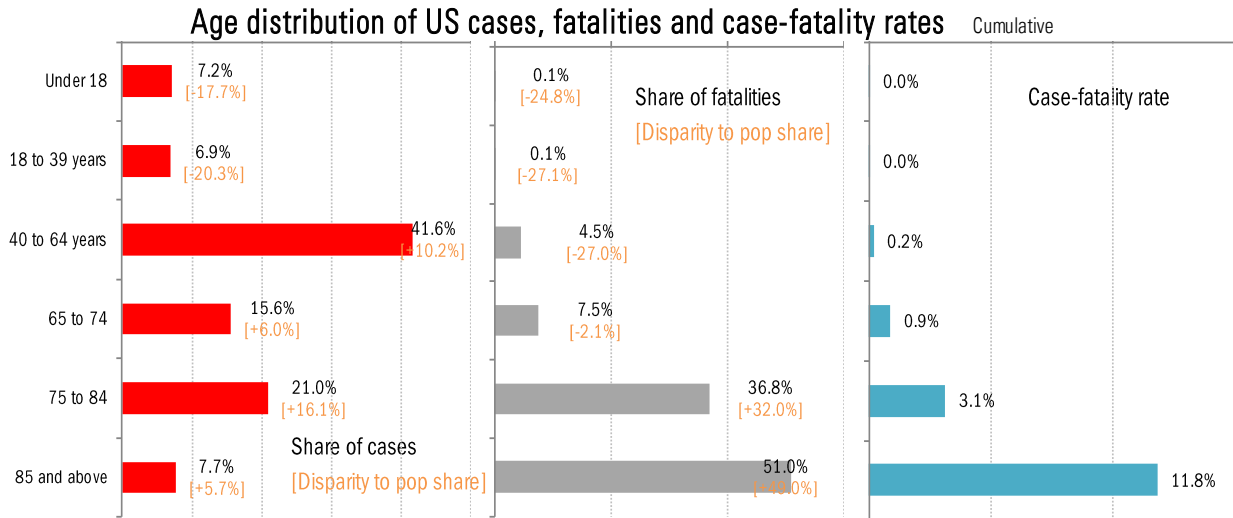
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

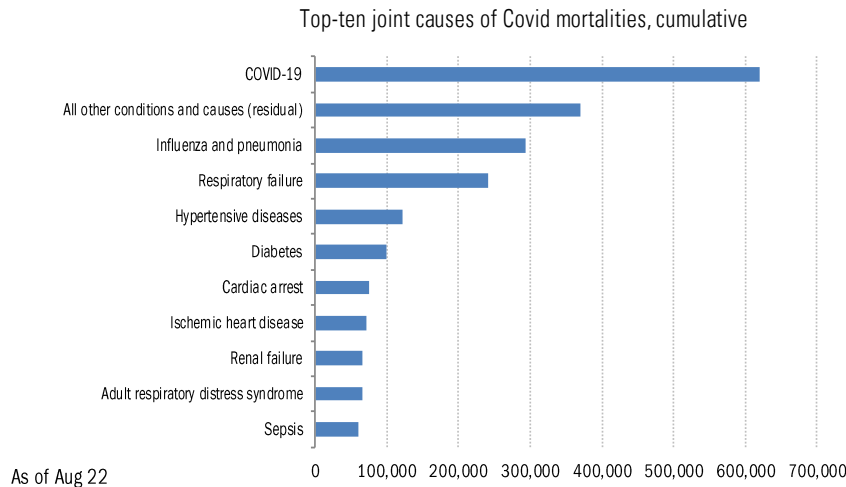
National and state-by-state data do not line up because of different sources



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



Comorbidities



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

[Health Officials Advise White House to Scale Back Booster Plan for Now](#)

Sharon LaFraniere and Noah Weiland
New York Times
September 3, 2021

[Another Hidden Covid Risk: Lingerin Kidney Problems](#)

Pam Belluck
New York Times
September 3, 2021

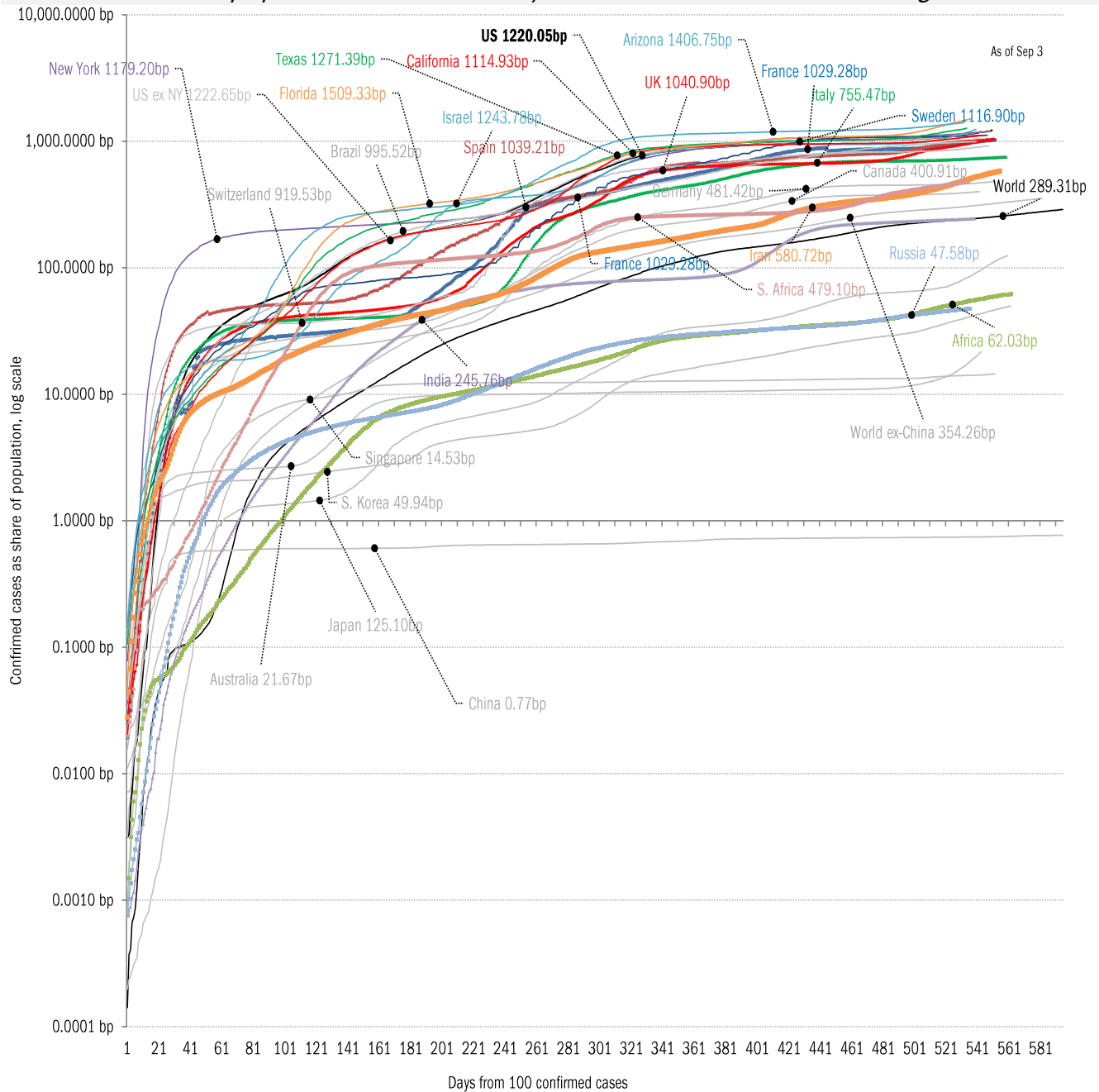
Meme of the day



Joe Rogan Bounces Back From COVID To Win Kentucky Derby

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

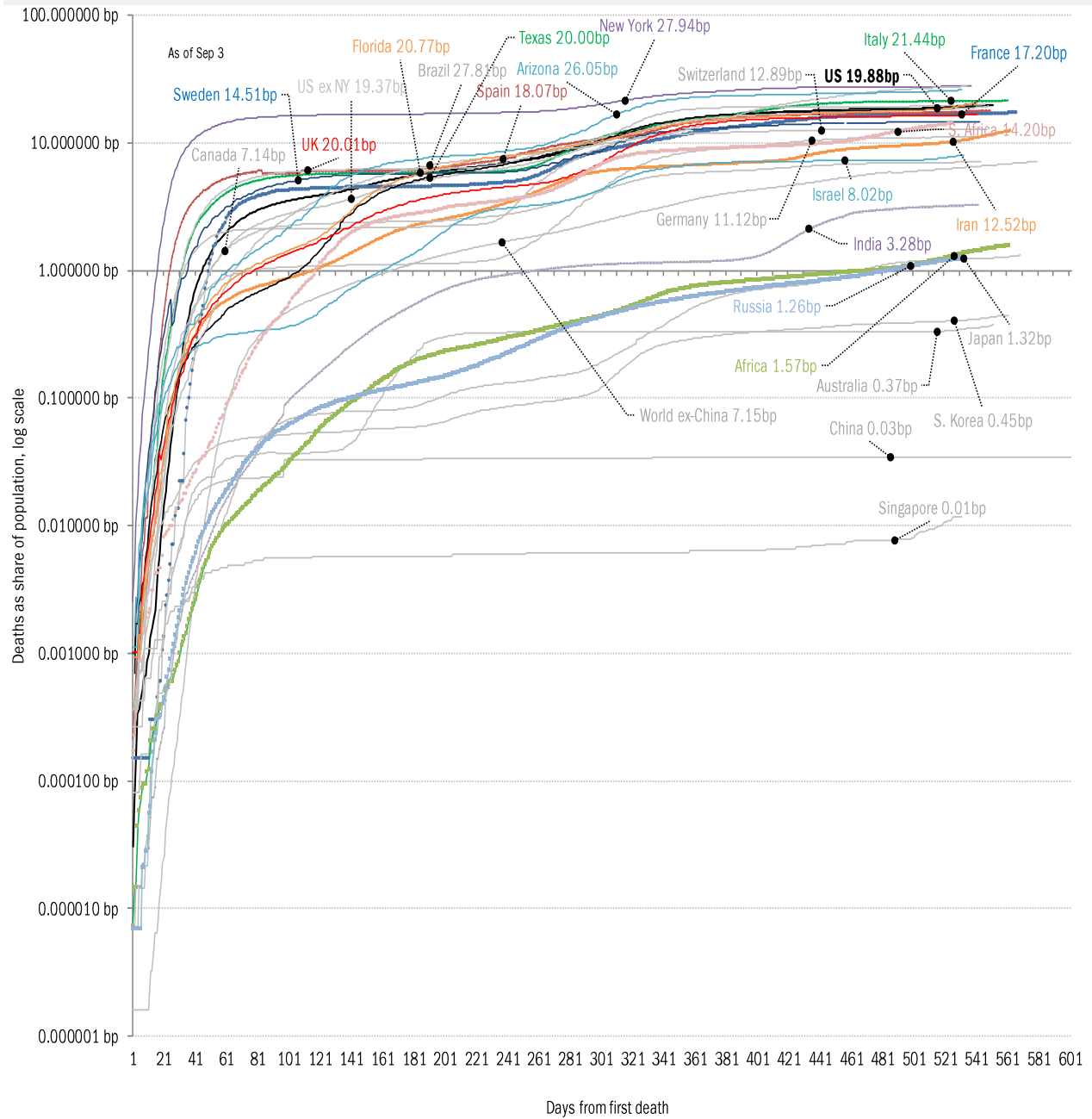
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

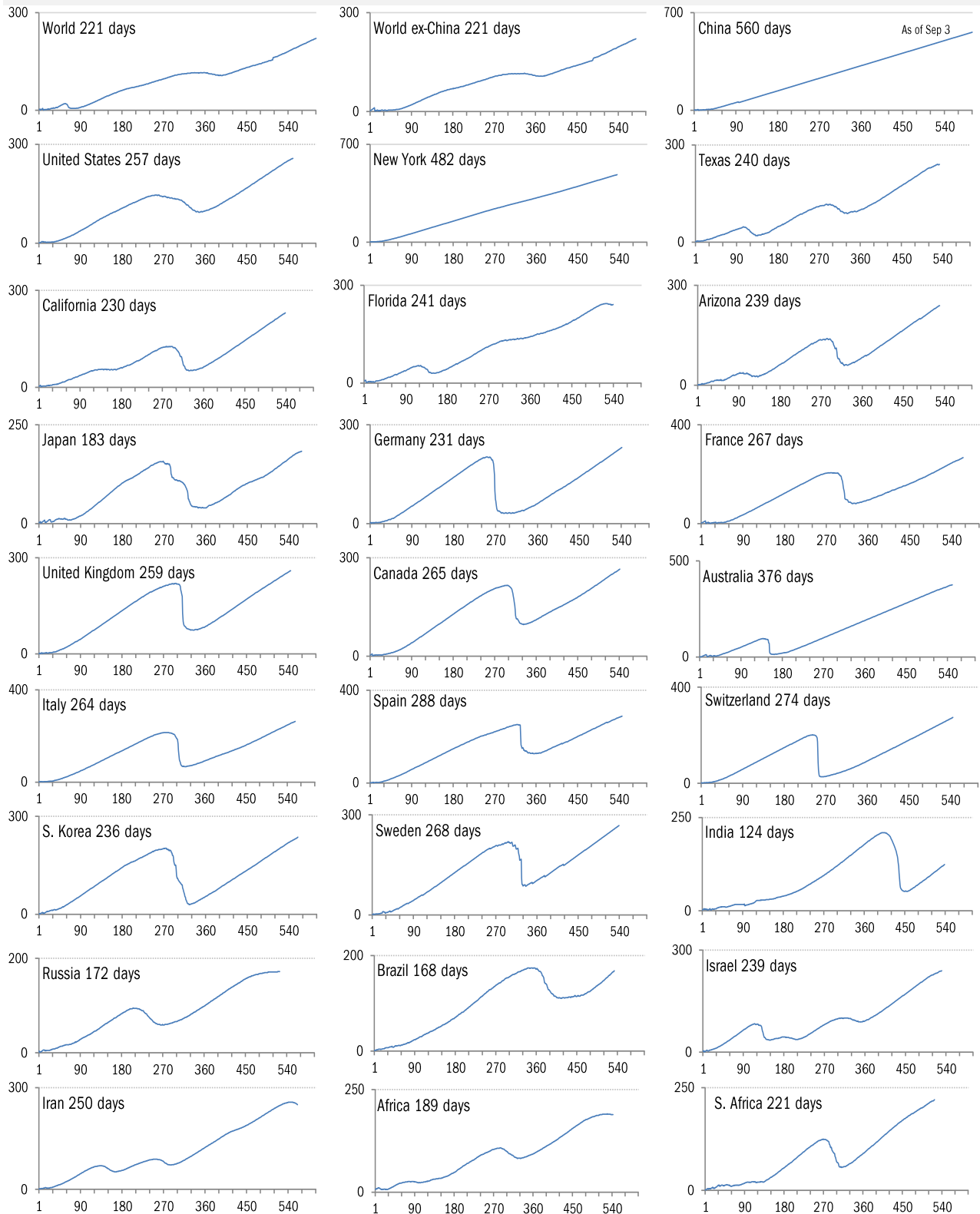


Source: [Johns Hopkins](#), TrendMacro calculations

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

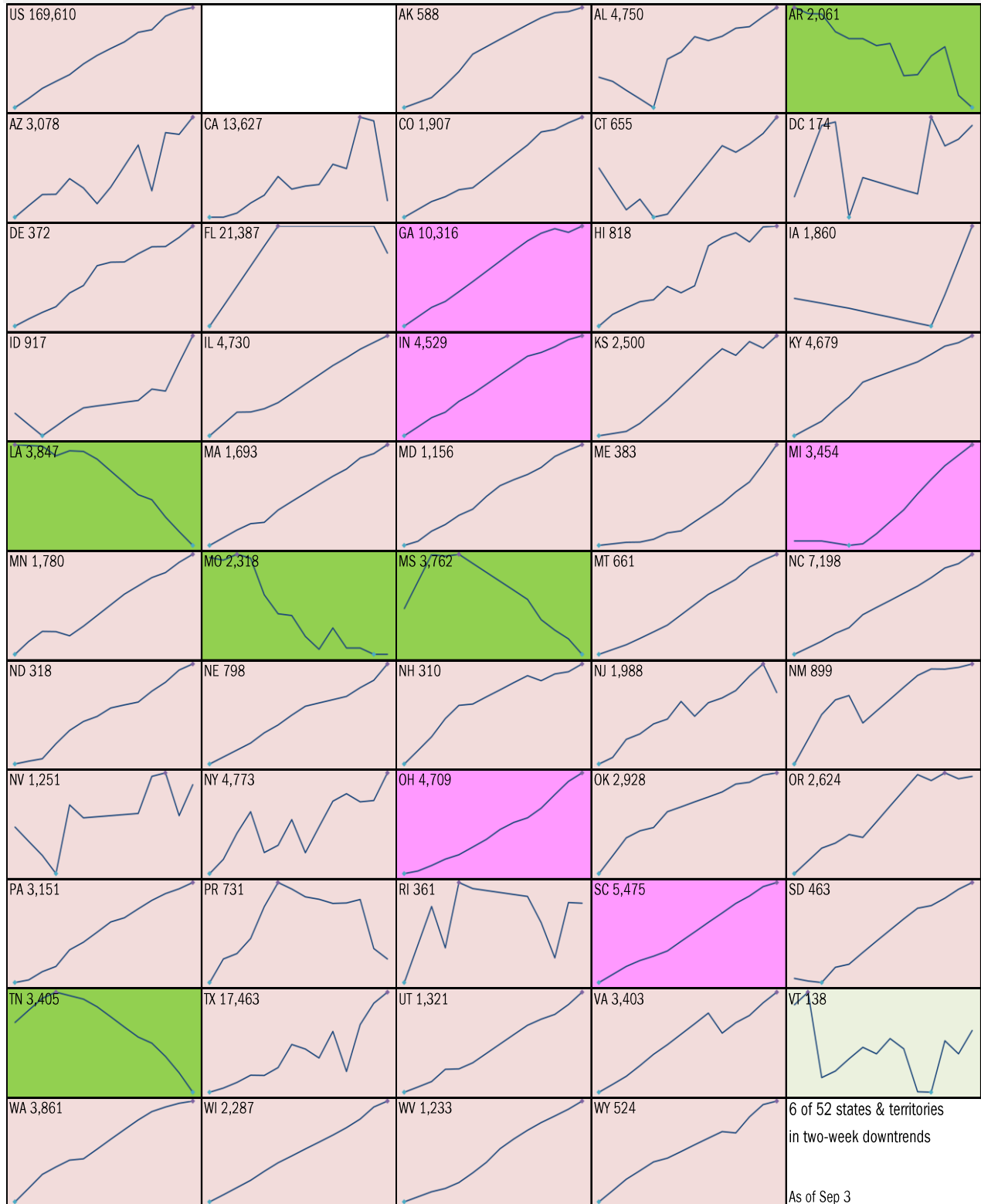
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

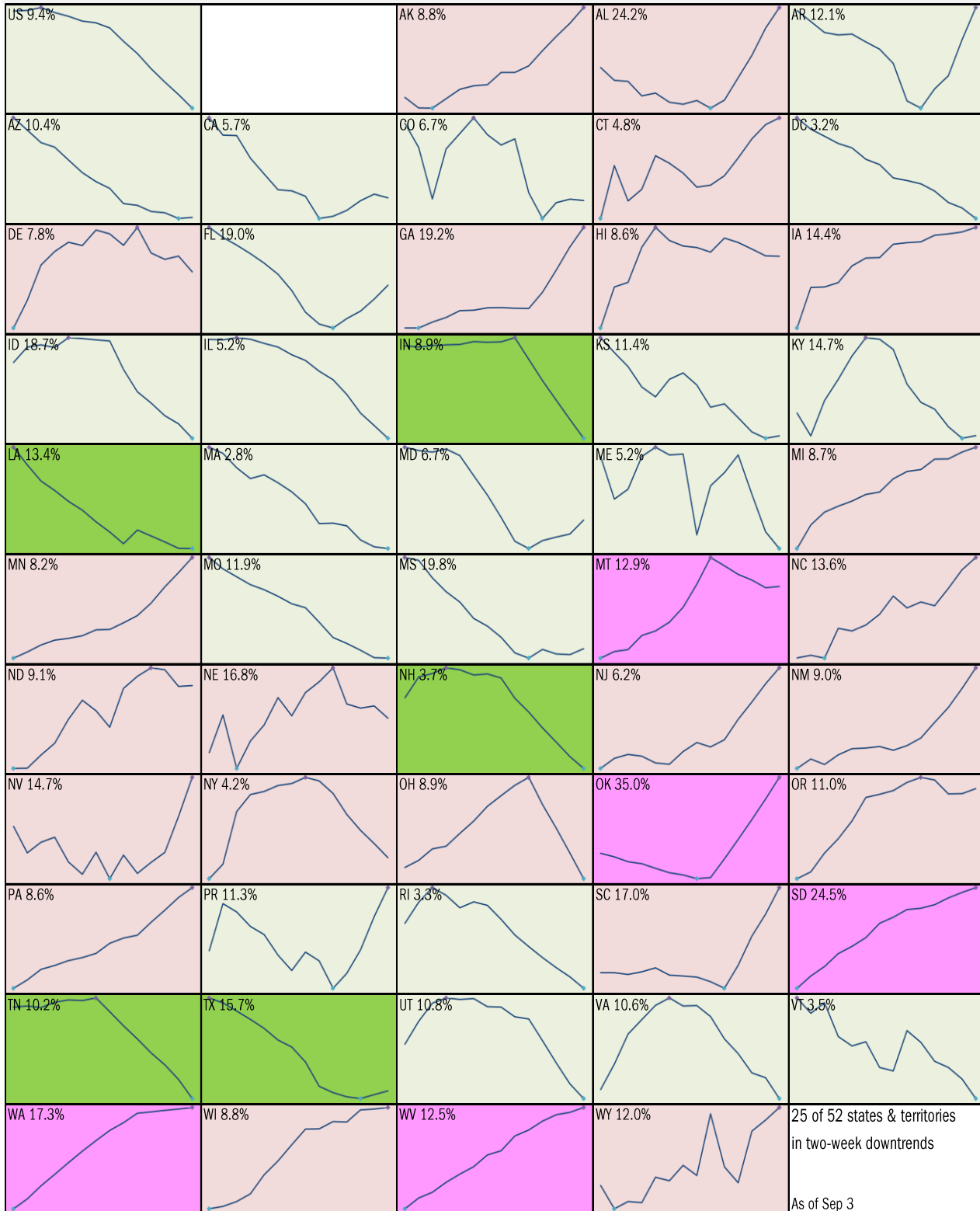
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

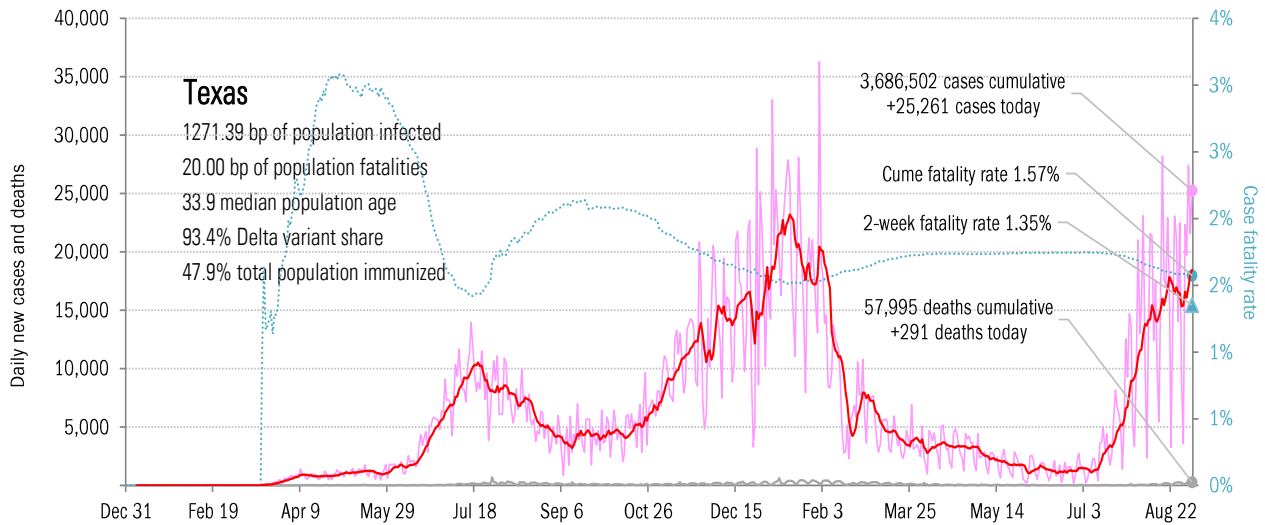
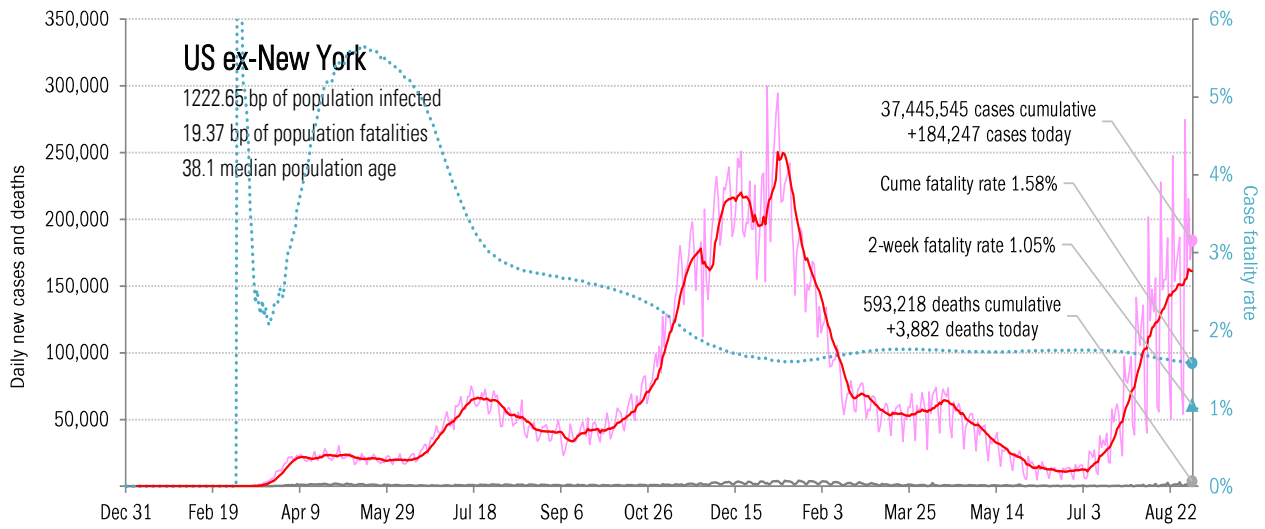
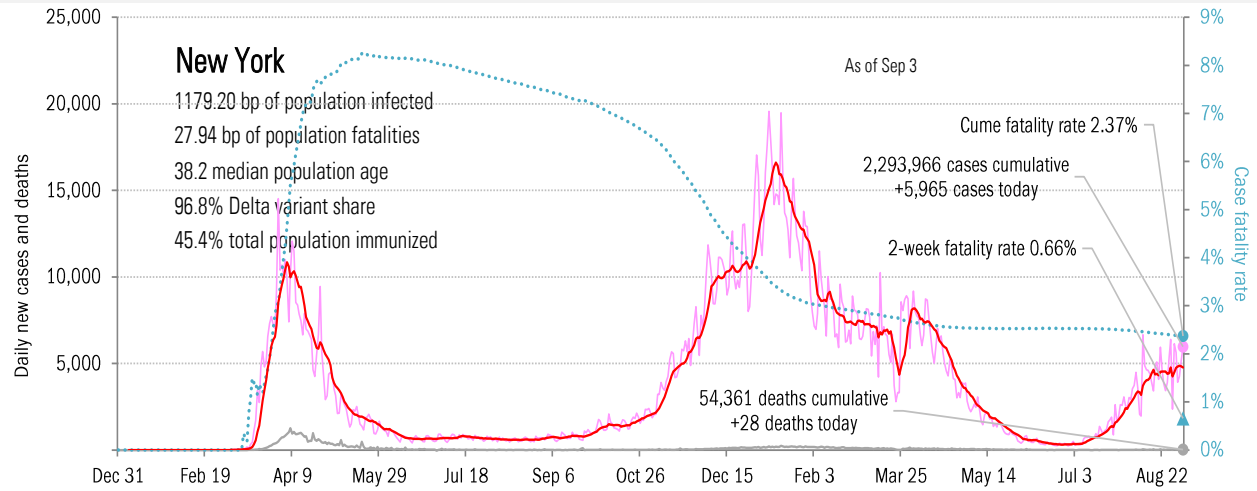
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

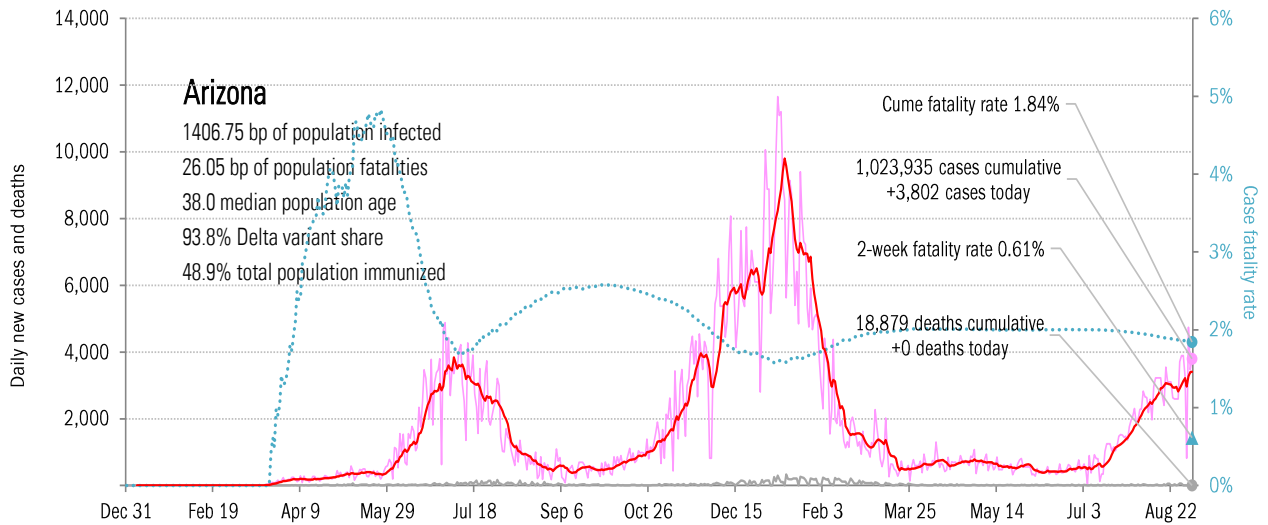
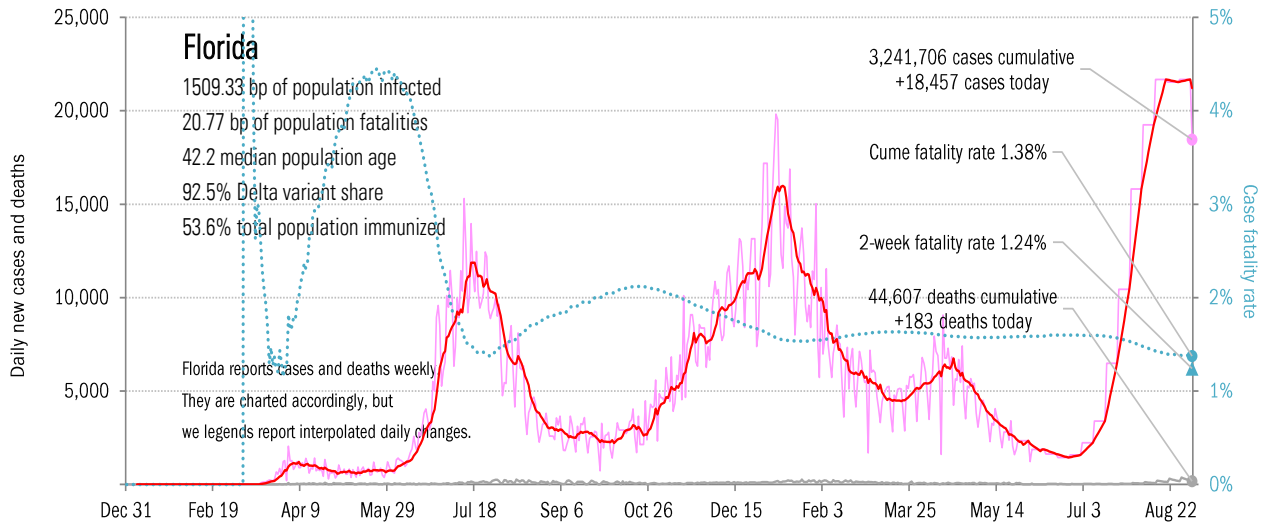
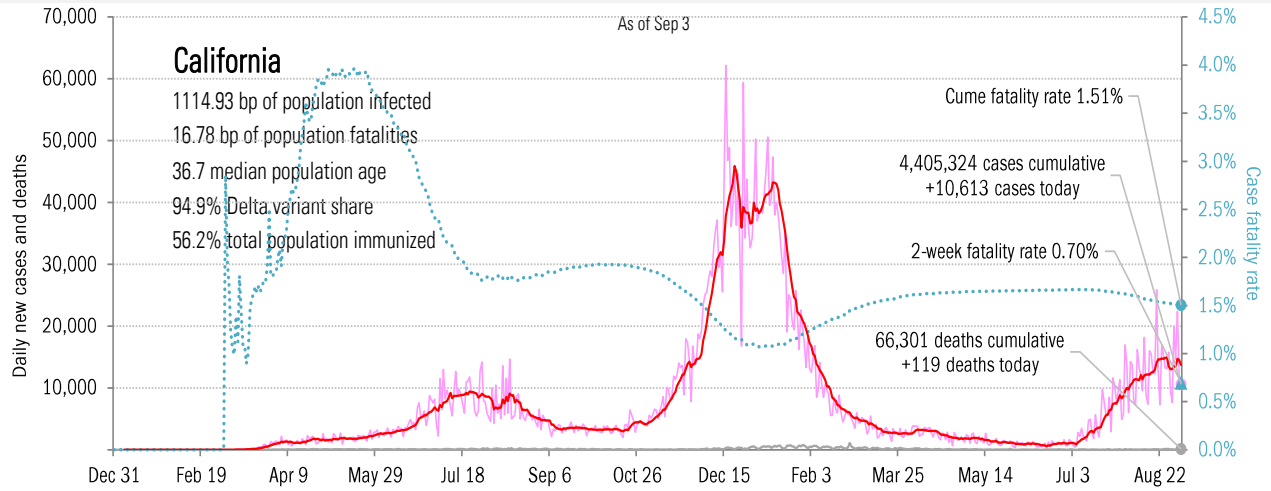
Cases: 7-day average and daily Deaths: Daily



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

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

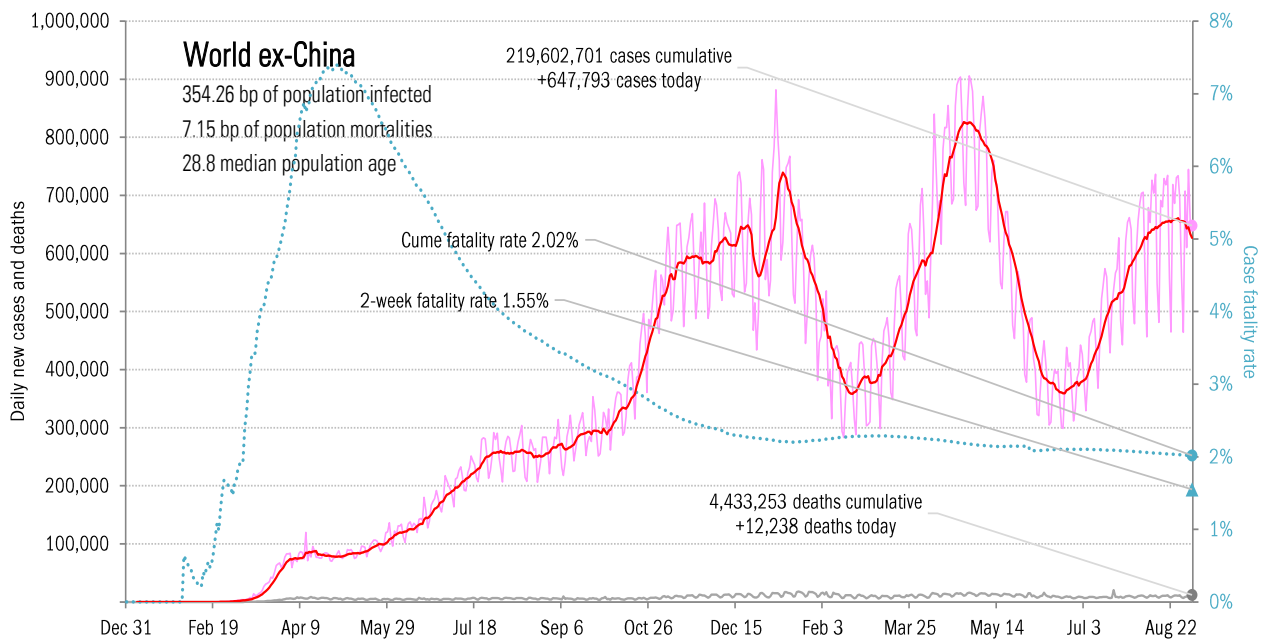
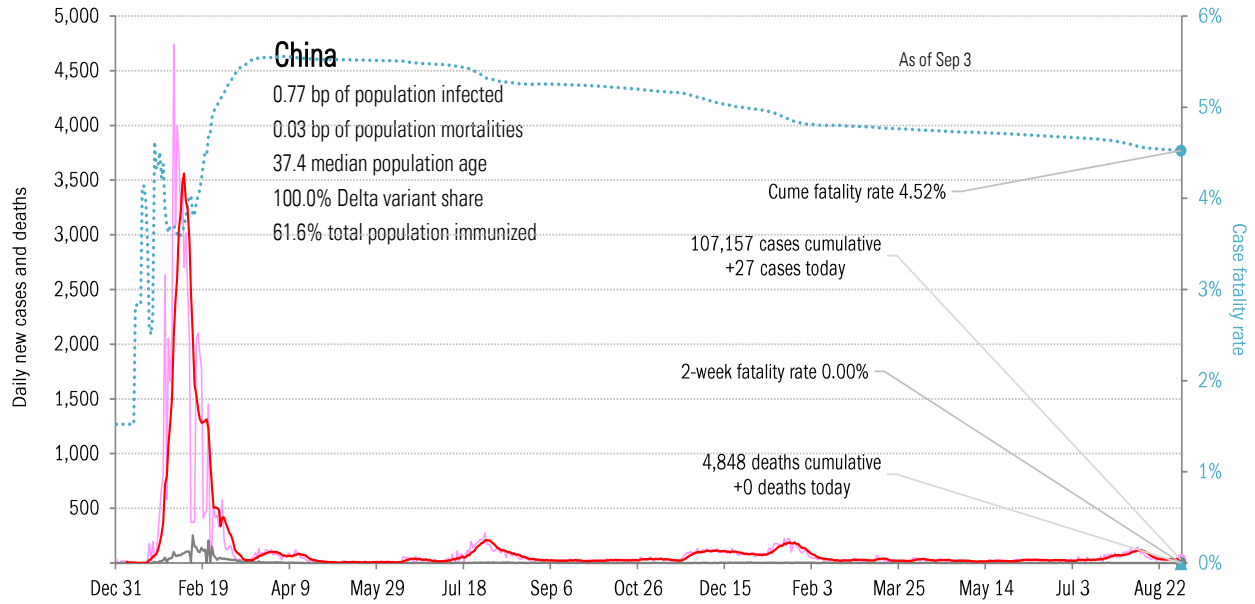
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

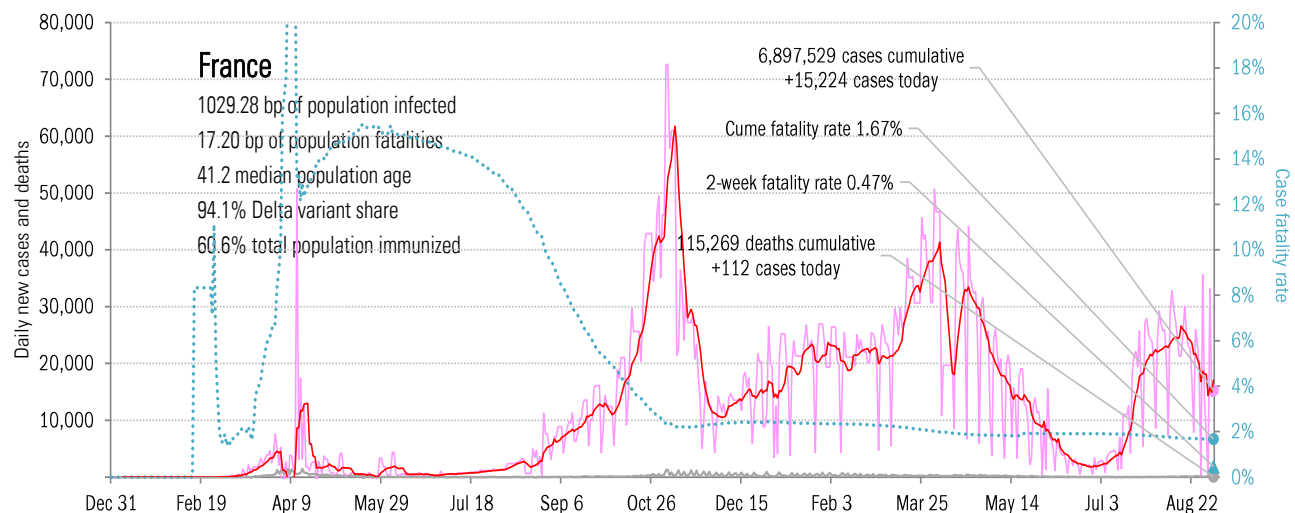
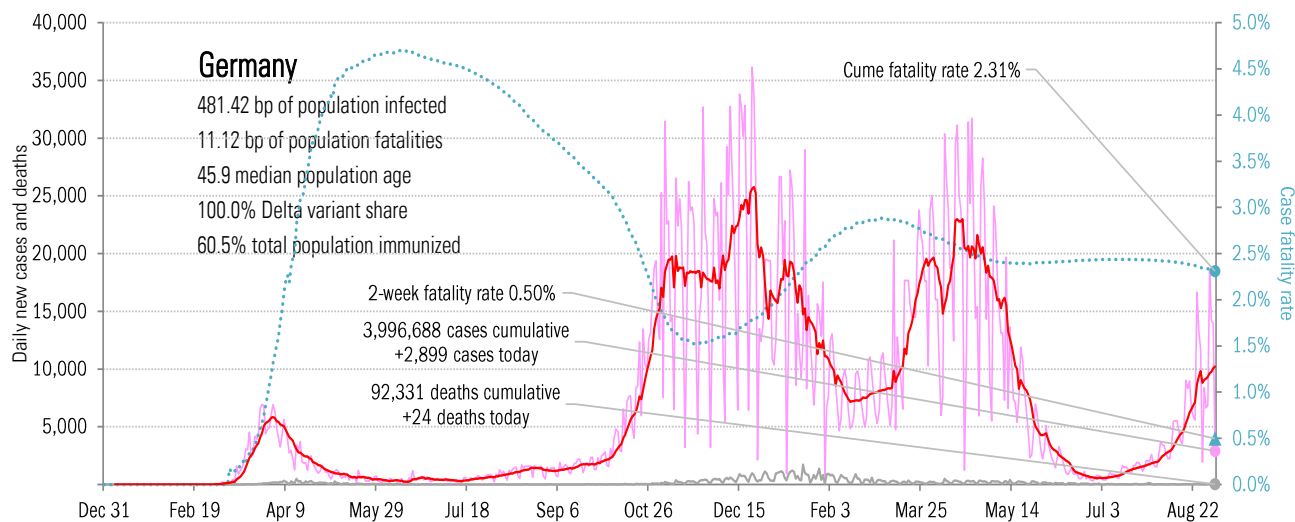
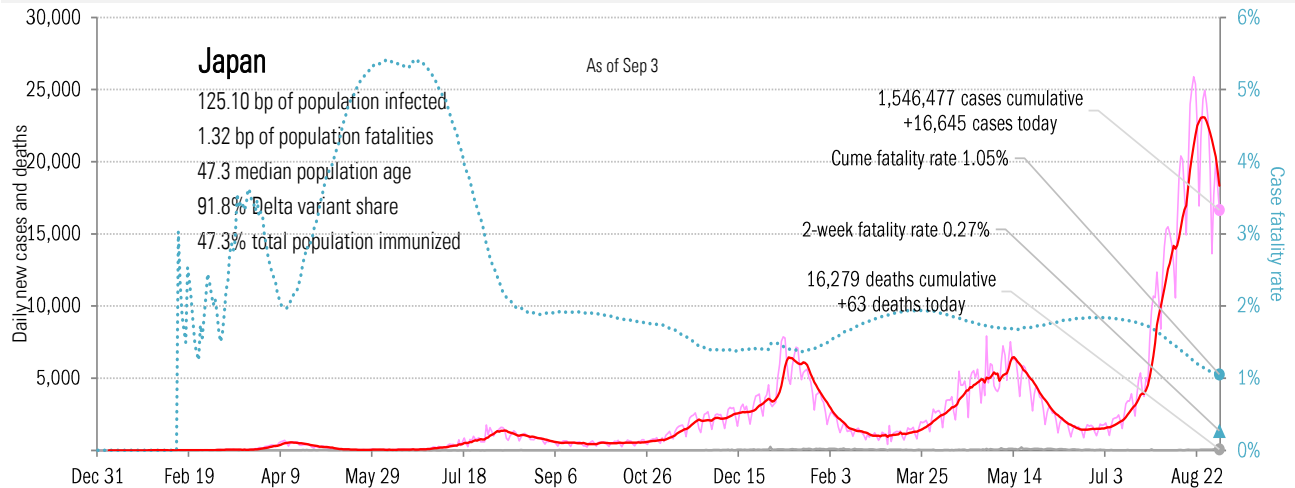
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

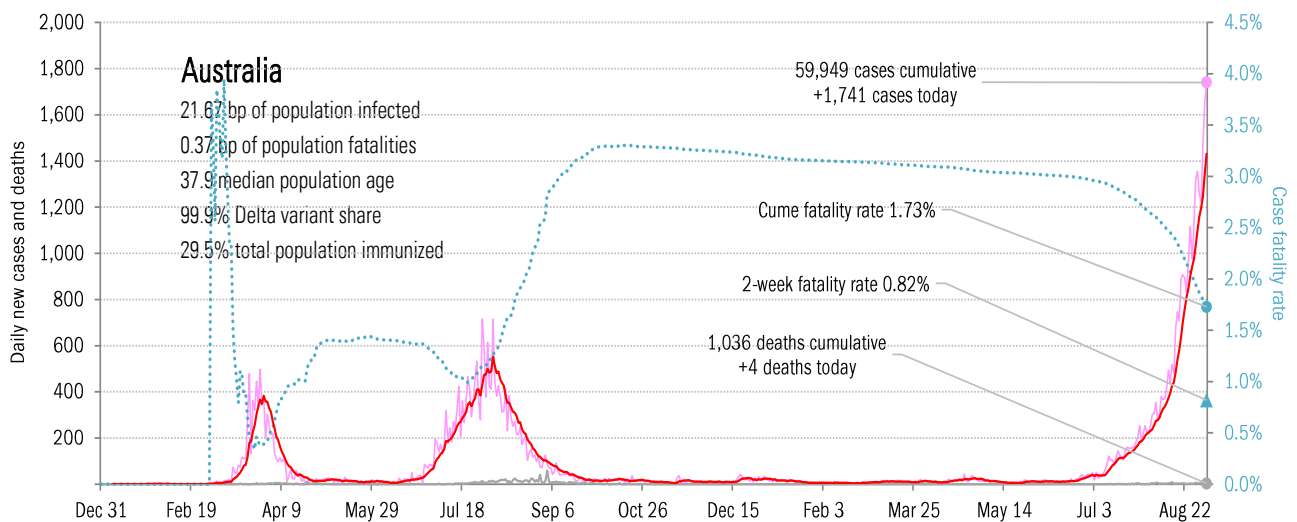
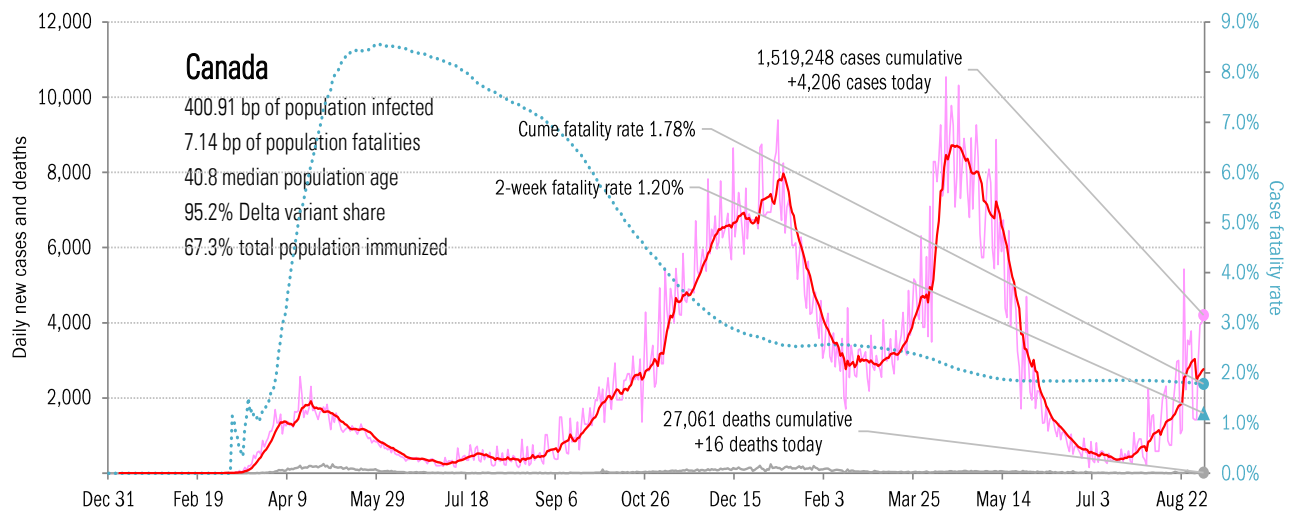
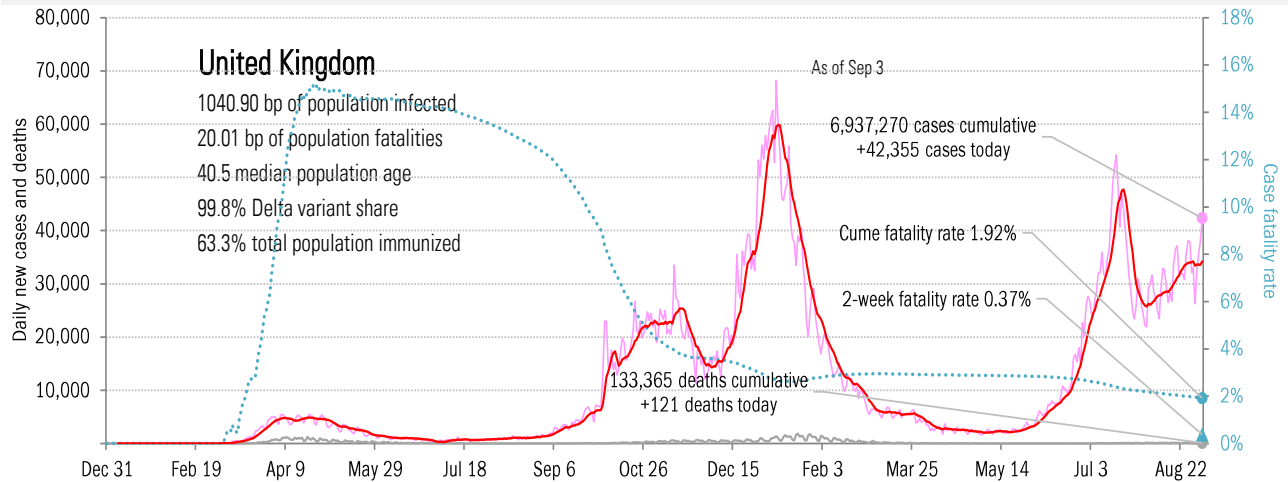
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

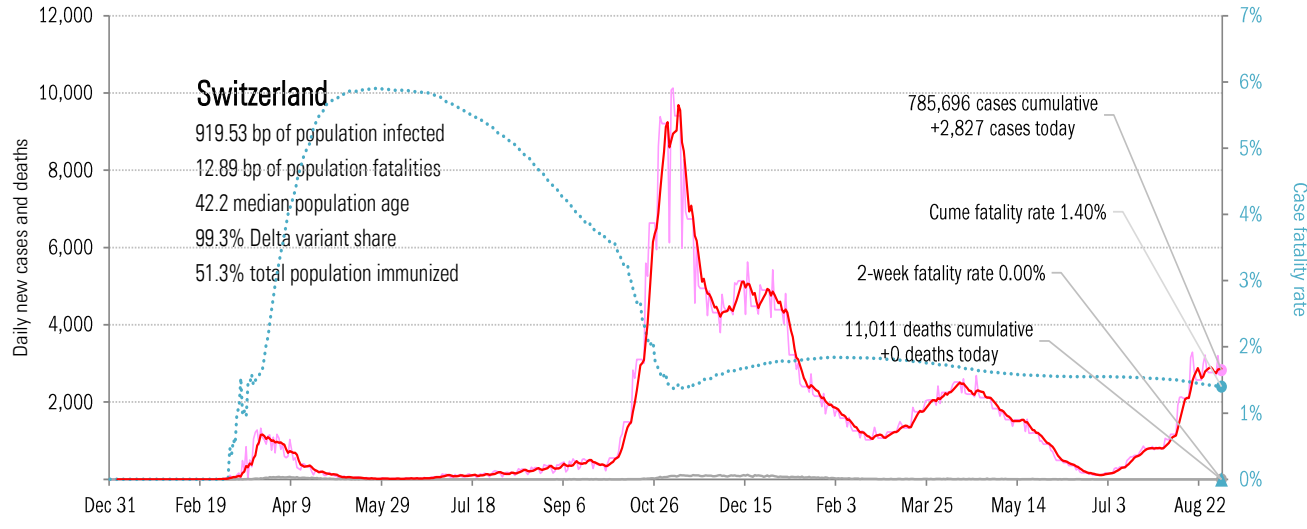
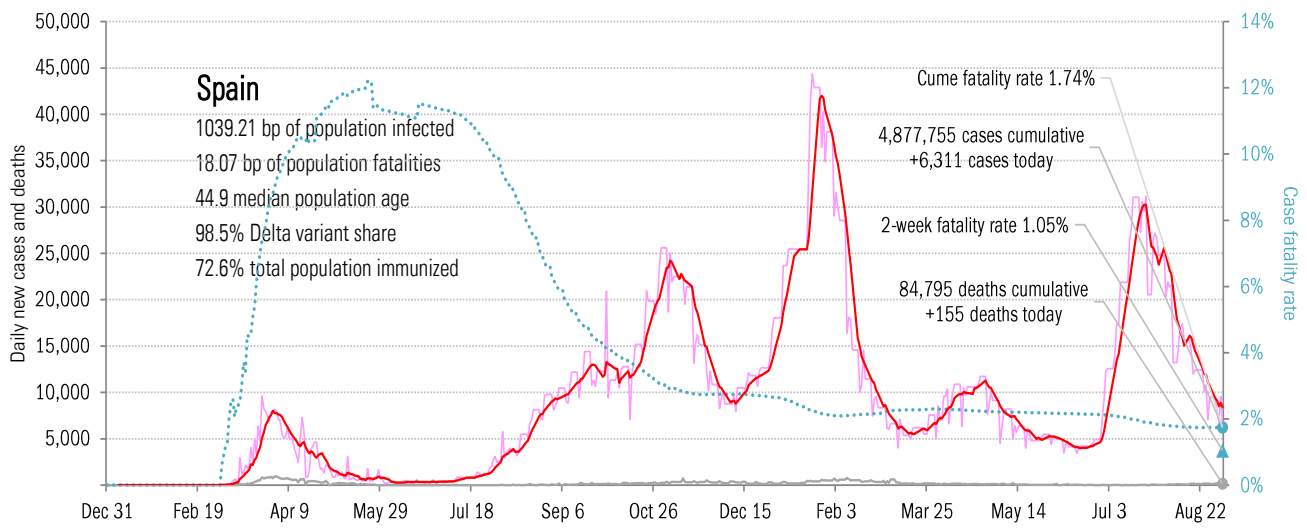
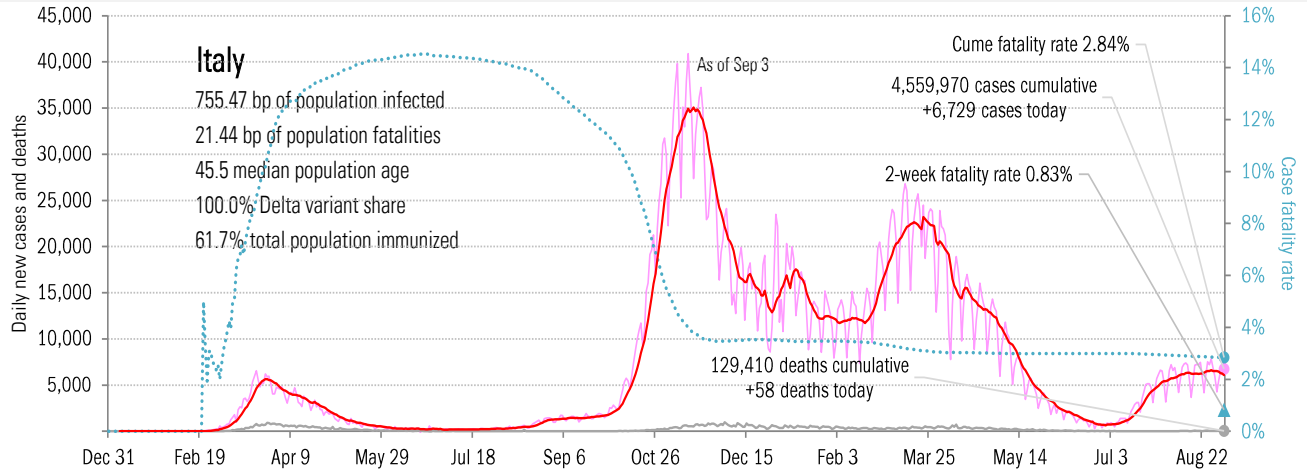
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

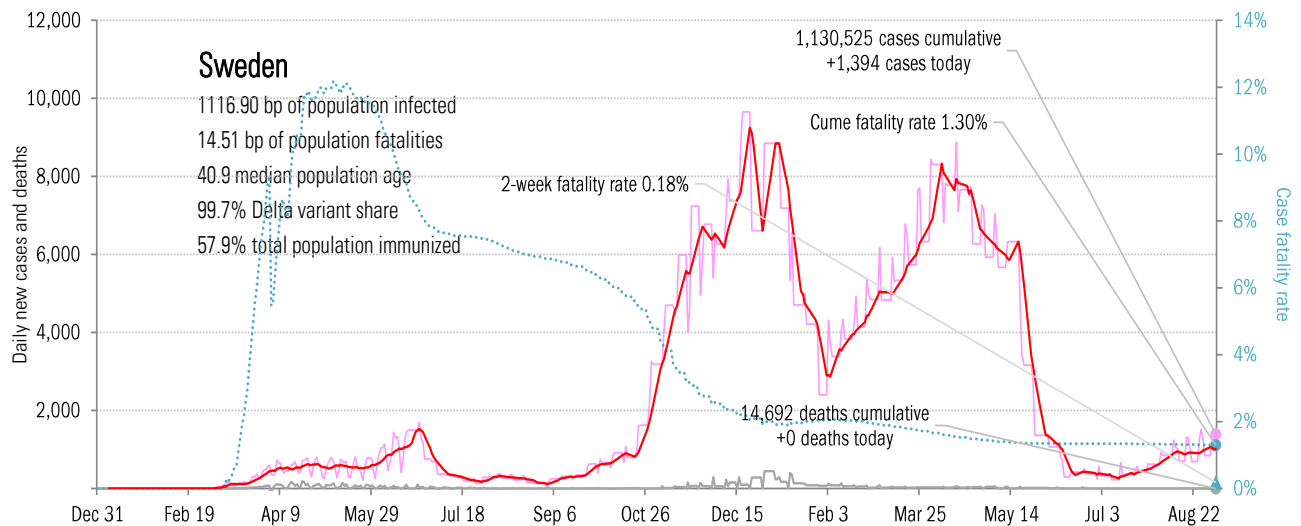
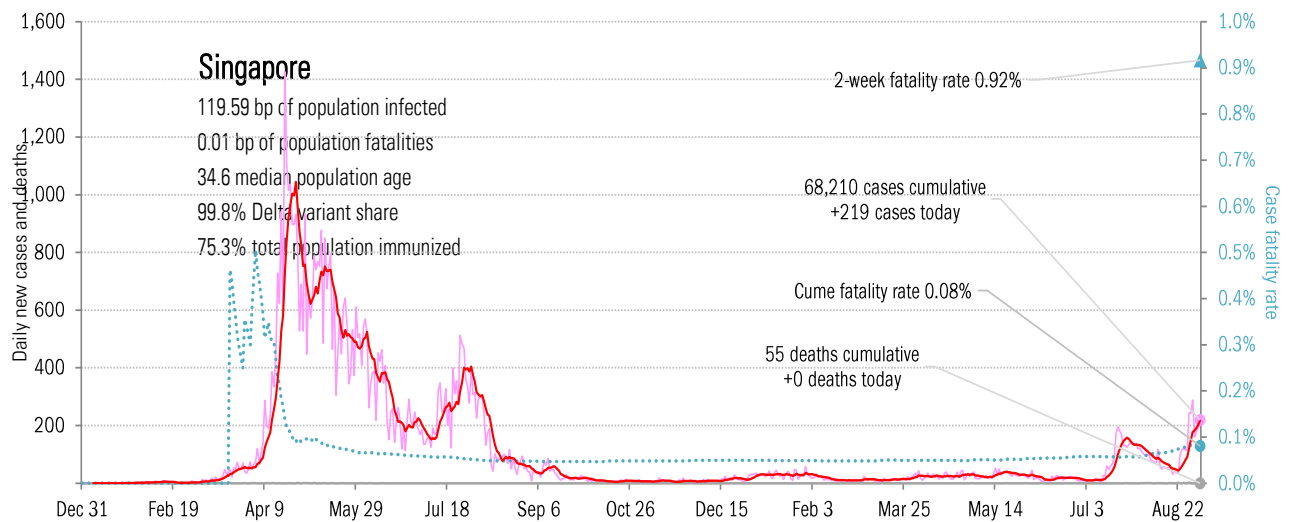
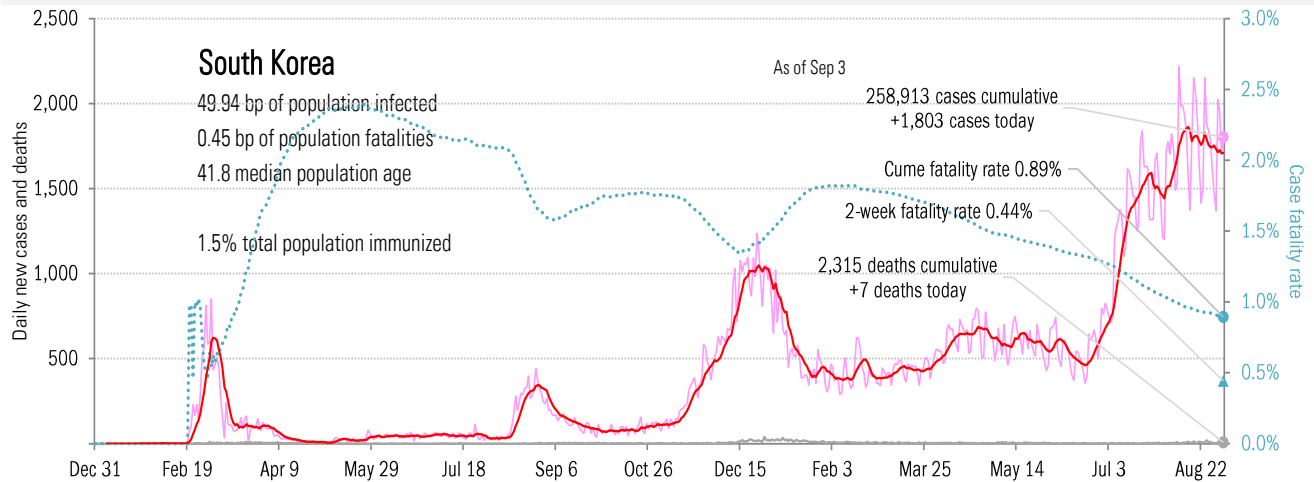
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

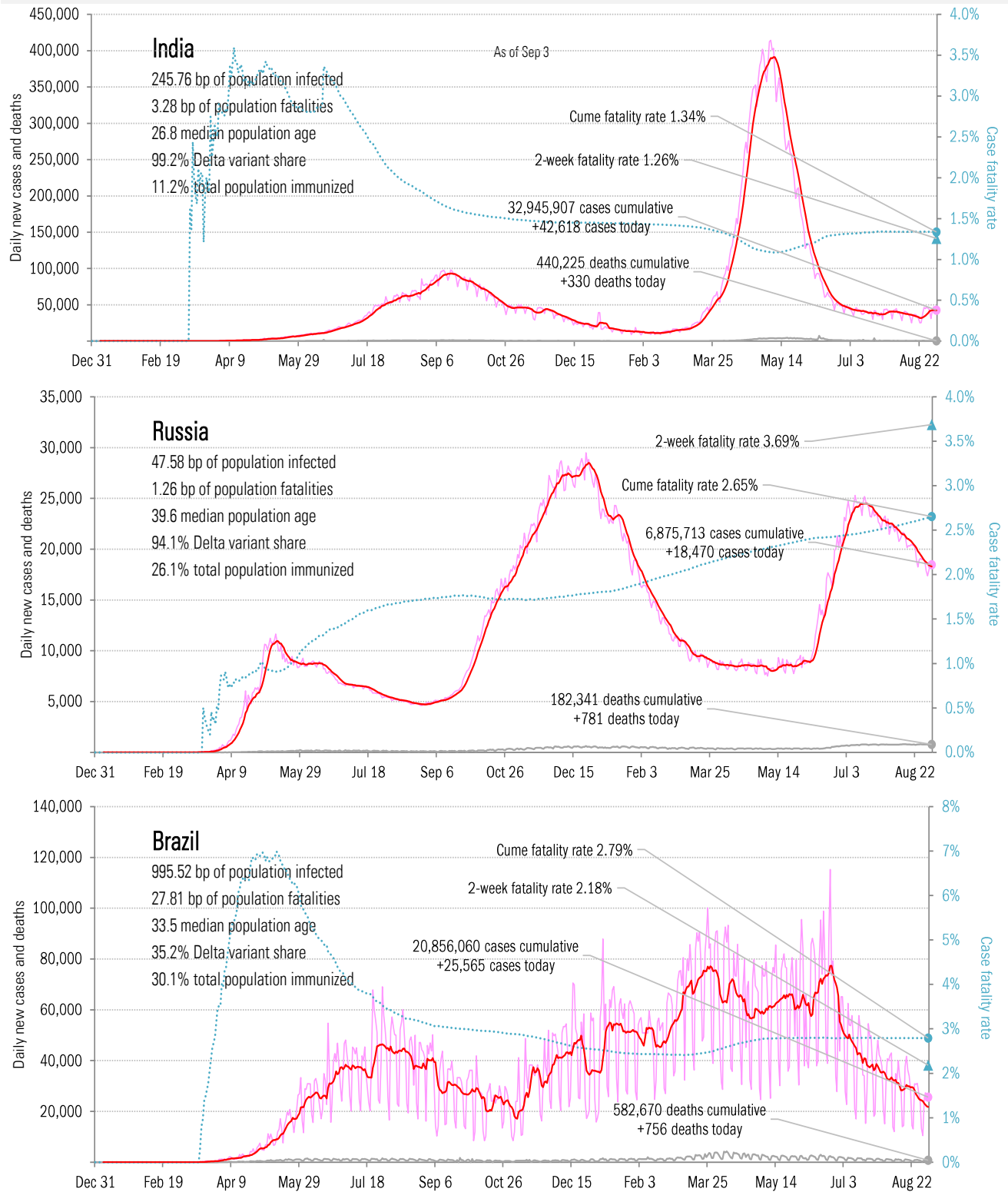
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

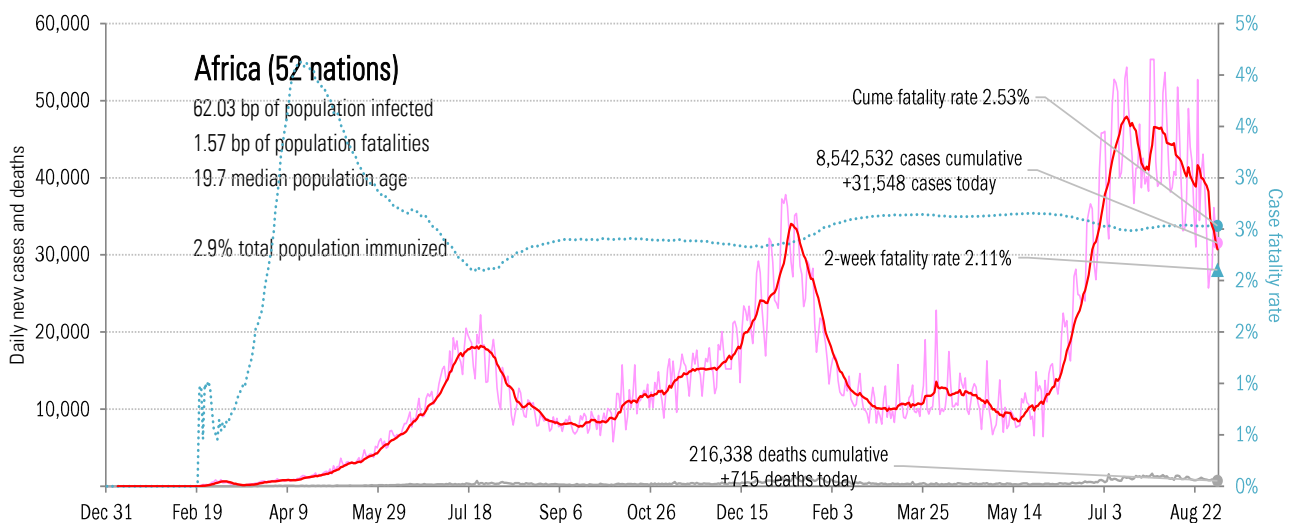
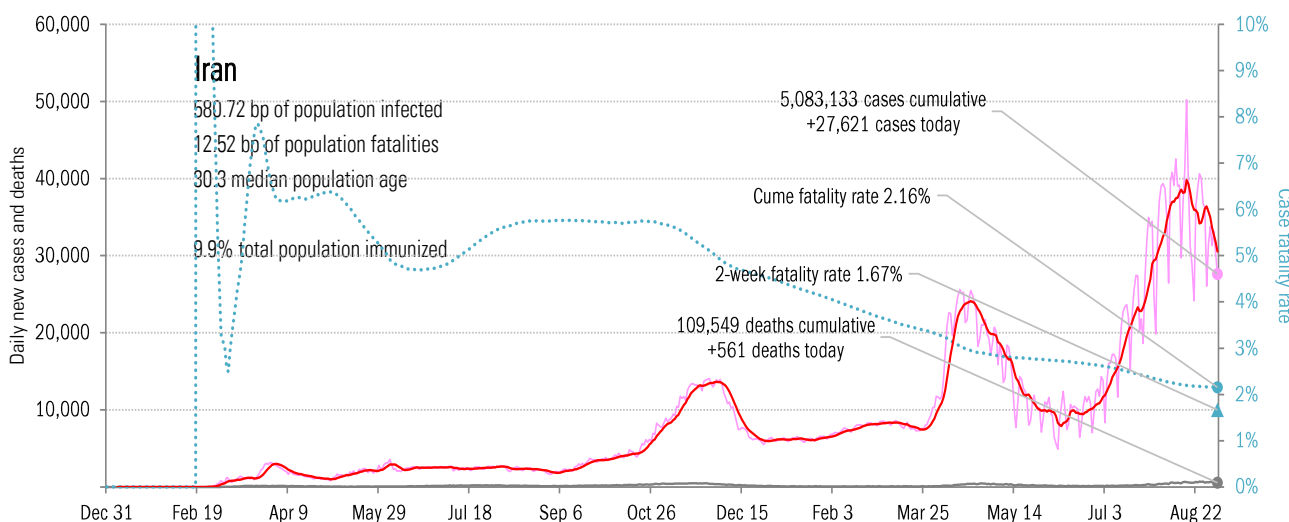
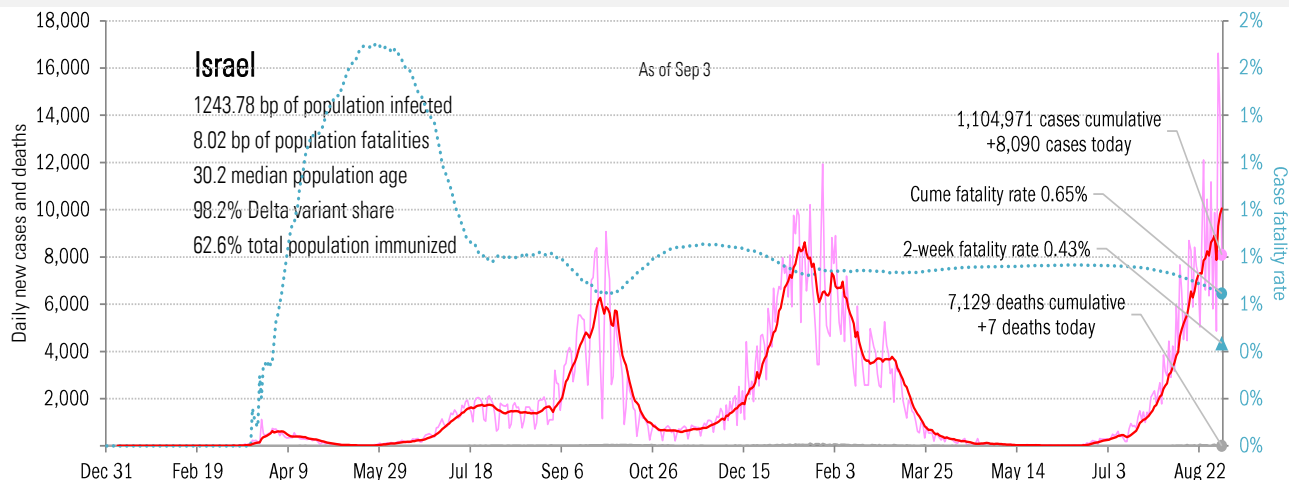
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

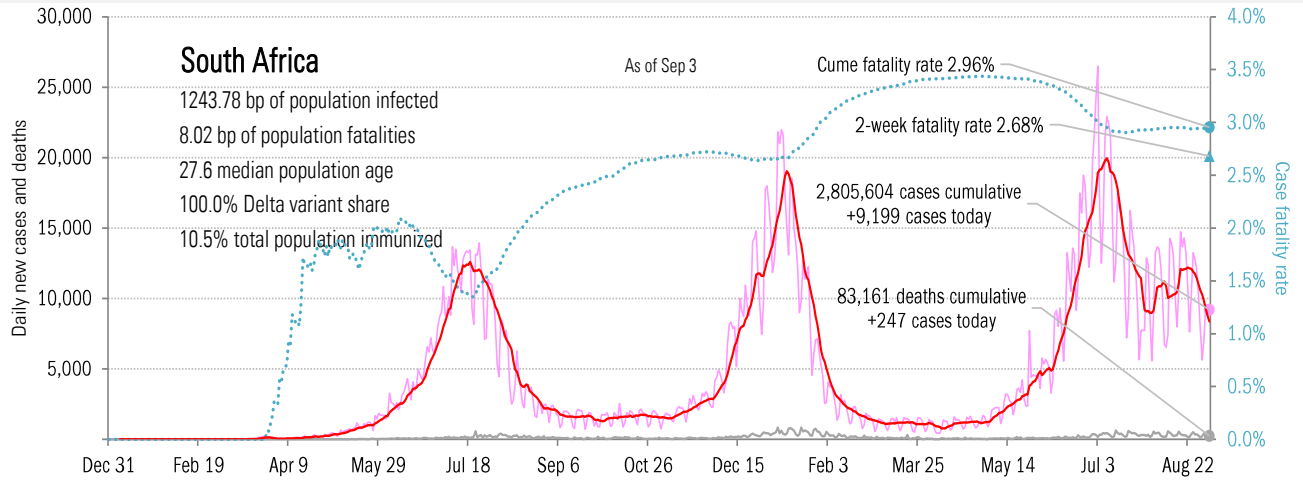
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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