

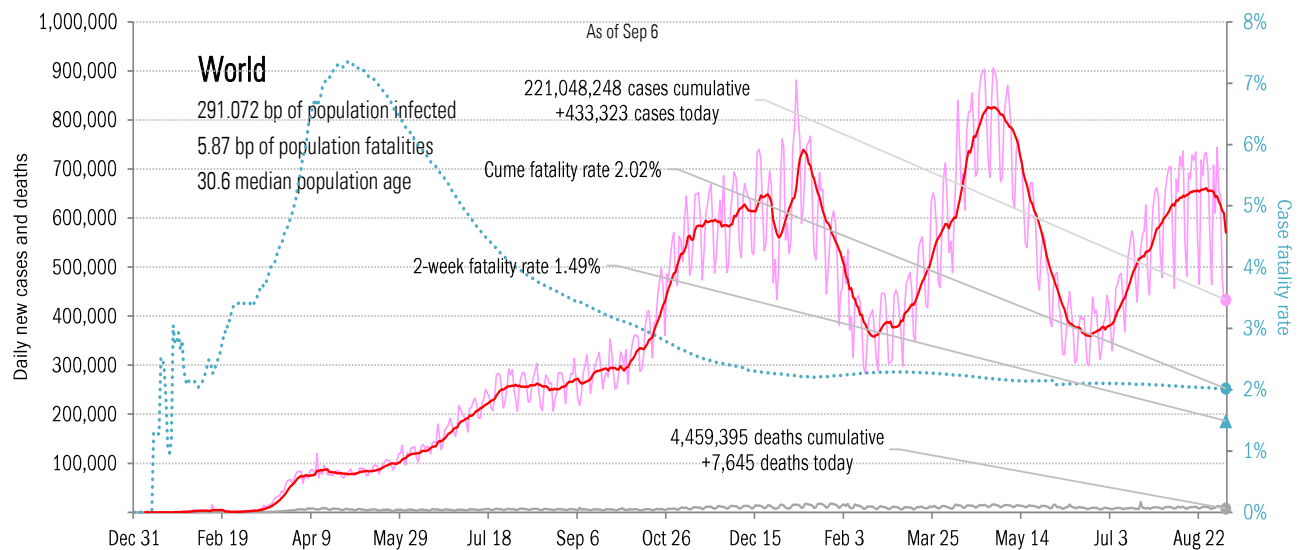
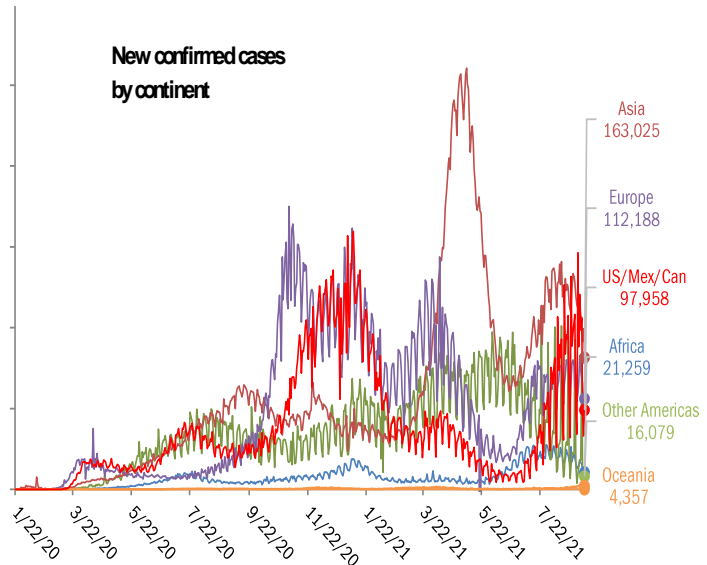
Data Insights: Covid-2019 Monitor

Tuesday, September 7, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
	New cases		New Deaths
	United States +91,788		Russia +776
	United Kingdom +40,976		Kazakhstan +691
	India +31,222		Indonesia +612
	Iran +27,579		Iran +583
	Philippines +22,347		United States +530
	Russia +17,487		Mexico +330
	Malaysia +17,352		Vietnam +311
	Thailand +13,988		India +290
	Vietnam +12,481		Malaysia +272
	Spain +9,357		South Africa +198
	+284,577		+4,593
	World +433,323		World +7,645
	Top ten 66%		Top ten 60%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

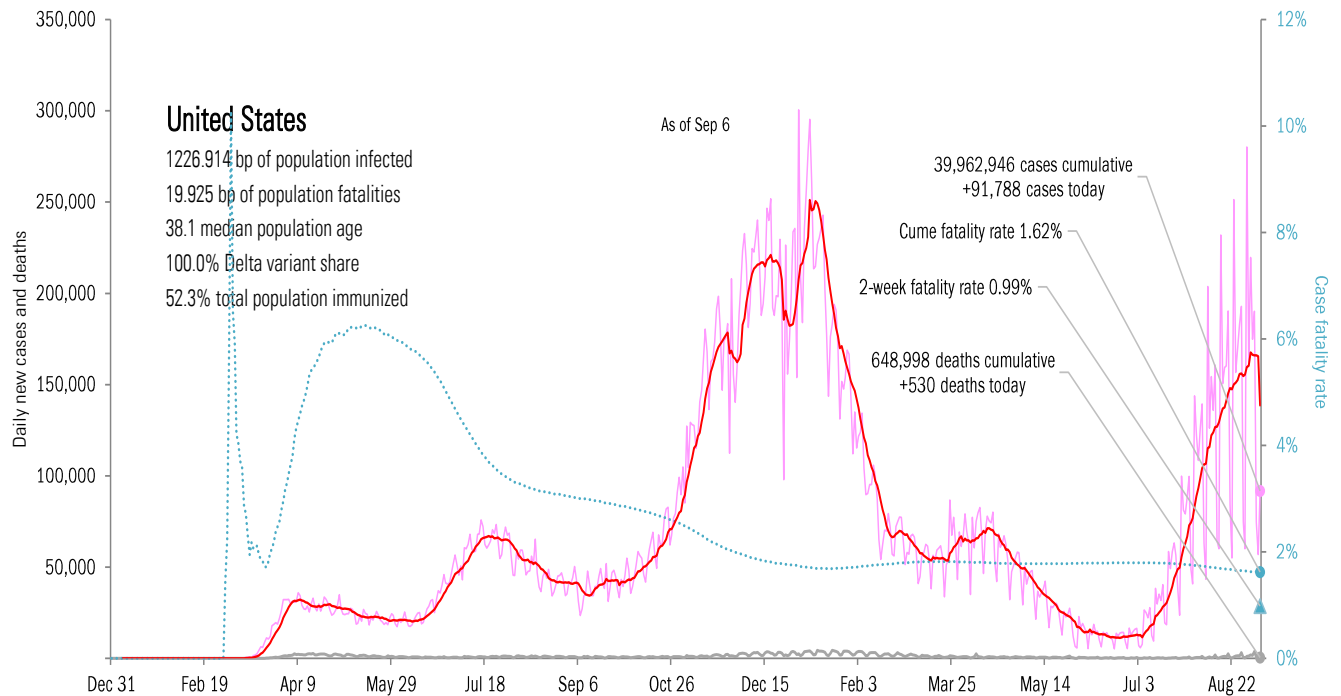
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+18,457		FL	+373		GA	+144		CA	4,423,696		CA	66,492		TX	329,440		GA	89%	AL	105%
SC	+17,024		SC	+164		KY	+87		TX	3,708,013		TX	58,467		FL	286,133		FL	88%	GA	97%
VA	+8,743		MS	+124		NC	+45		FL	3,297,079		NY	54,449		CA	283,667		RI	86%	AR	95%
MS	+5,781		TX	+47		IN	+42		NY	2,307,414		FL	45,860		NY	148,749		MD	83%	TX	92%
CA	+5,328		CO	+31		NY	+42		IL	1,538,324		PA	28,396		GA	140,327		NV	83%	FL	92%
CO	+5,071		VA	+30		PA	+38		GA	1,433,714		NJ	26,952		CH	99,979		SC	82%	MS	91%
WI	+4,472		NY	+29		WI	+32		PA	1,320,850		IL	26,500		PA	99,600		CT	81%	OK	90%
TX	+4,298		WV	+24		OK	+31		CH	1,257,142		GA	23,120		KY	97,028		TX	81%	H	90%
CH	+3,944		CA	+22		CH	+30		NC	1,237,393		MI	21,672		IL	94,246		MA	81%	KY	90%
NY	+3,675		WI	+15		FR	+16		NJ	1,104,439		CH	20,947		MI	78,822		MO	80%	LA	88%
+76,793			+859			+507			21,628,064			372,855			1,657,991						
All states	+91,788		+903			-233			All states	39,962,946		648,998			2,933,236			All states	70%	67%	
Top ten	84%		95%			-218%			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	
NY	-2,422	TX	-101	AL	-202	AL	+30 bp
CH	-1,617	CA	-65	TN	-112	MS	+30 bp
CA	-1,470	NY	-13	CA	-88	LA	+30 bp
AZ	-693	PA	-12	SC	-81	AR	+30 bp
PA	-608	H	-8	VA	-52	MO	+30 bp

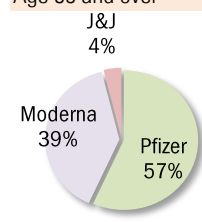


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

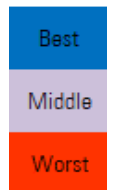
The CDC did not update daily vaccinations data due to holiday.

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	63.7%	70.8%
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	73.3%	78.8%
Age 18 to 64	145,962,936	72%	123,345,755	61%		Germany	60.9%	65.3%
Age 65 and over	52,167,655	95%	46,441,345	85%		Italy	62.3%	71.7%
						Australia	30.5%	50.9%
						Israel	62.7%	68.4%
						Canada	67.5%	73.9%
						Japan	48.1%	59.6%
						Africa	3.2%	5.4%
						India	11.5%	37.9%
						Brazil	31.2%	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
79.4% vs 60% adult herd immunity

As of Sep 6

Global data differs from sources, timing

AK
54.7%
47.5%

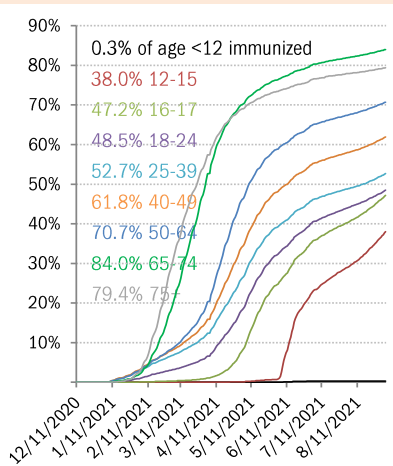
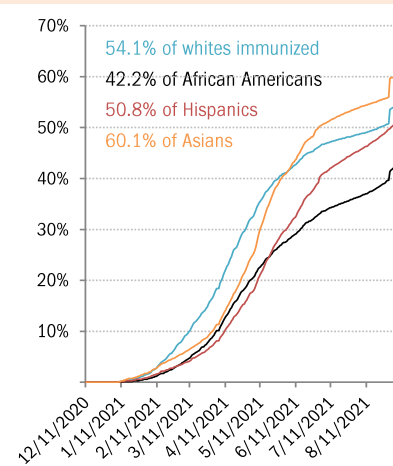
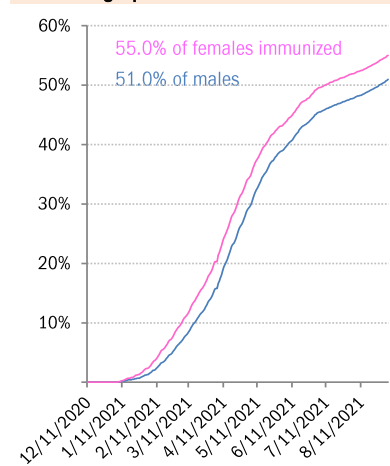
WI
59.1%
54.4%

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%

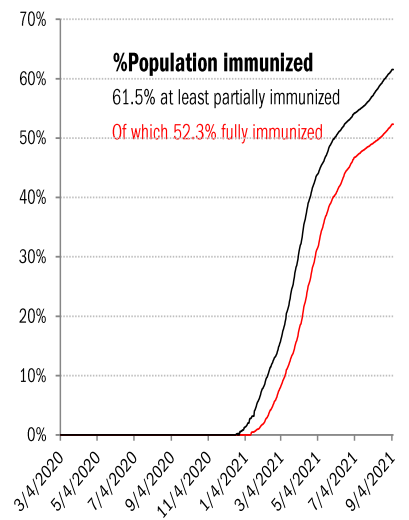
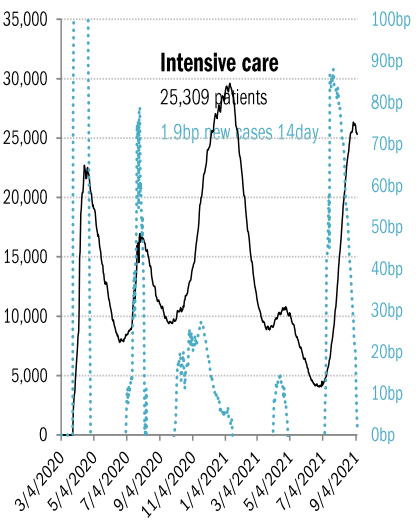
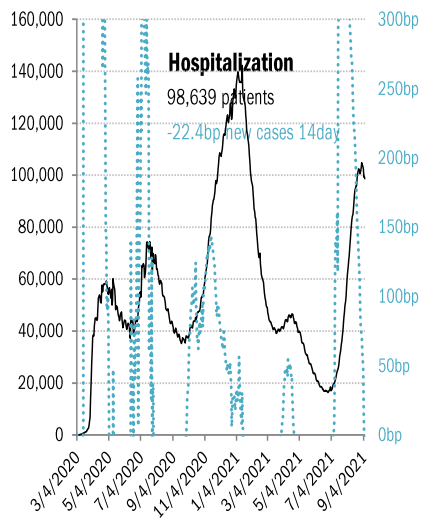
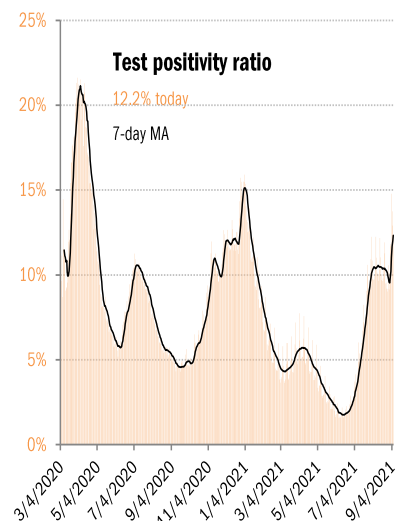
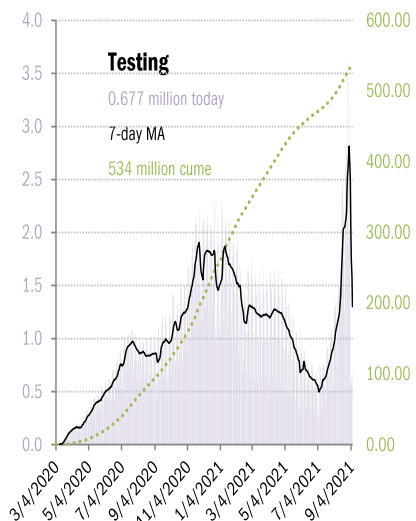
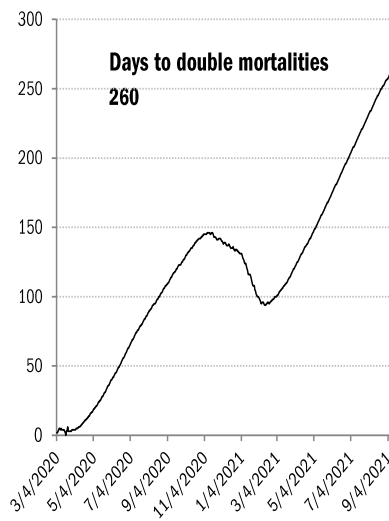
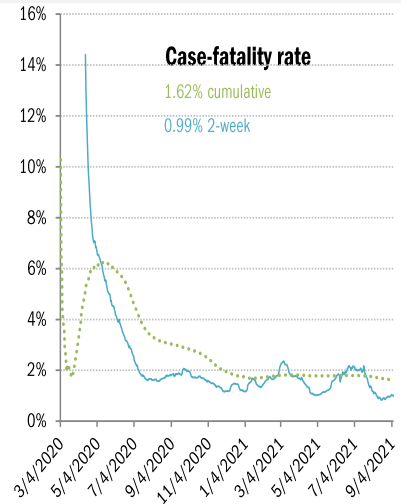
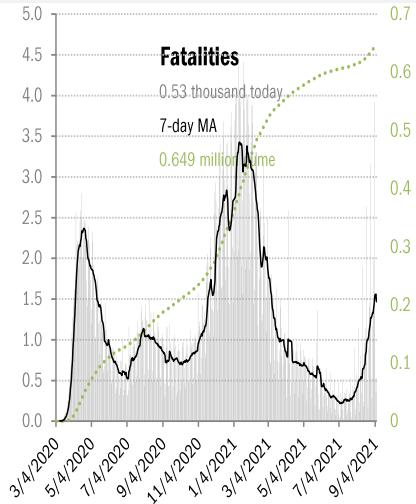
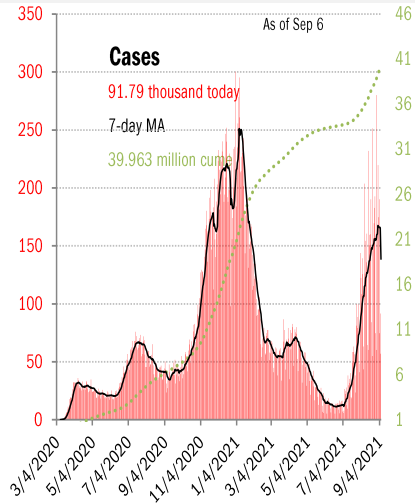
The demographics of US vaccination



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

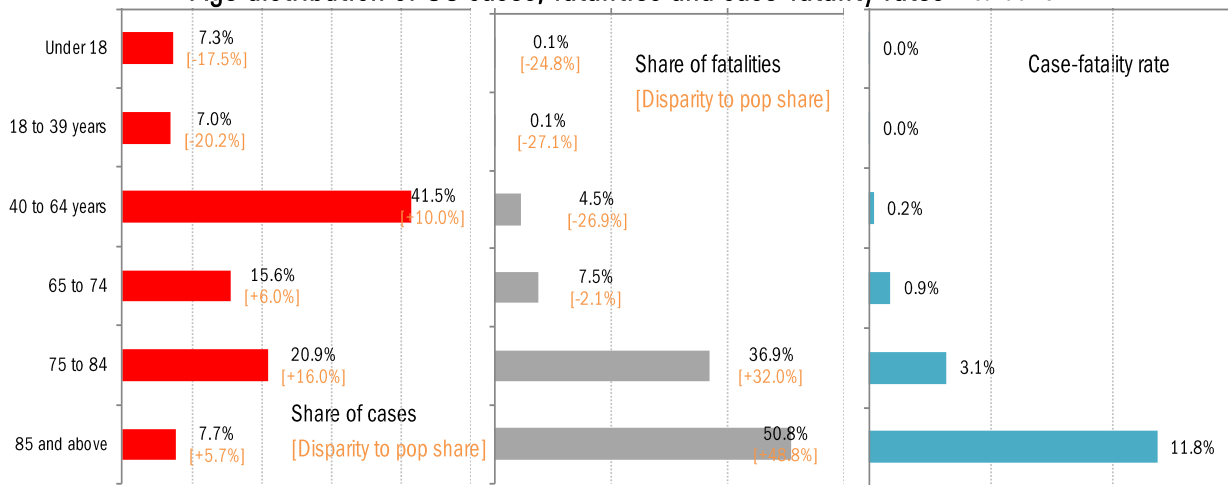
US deep-dive

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

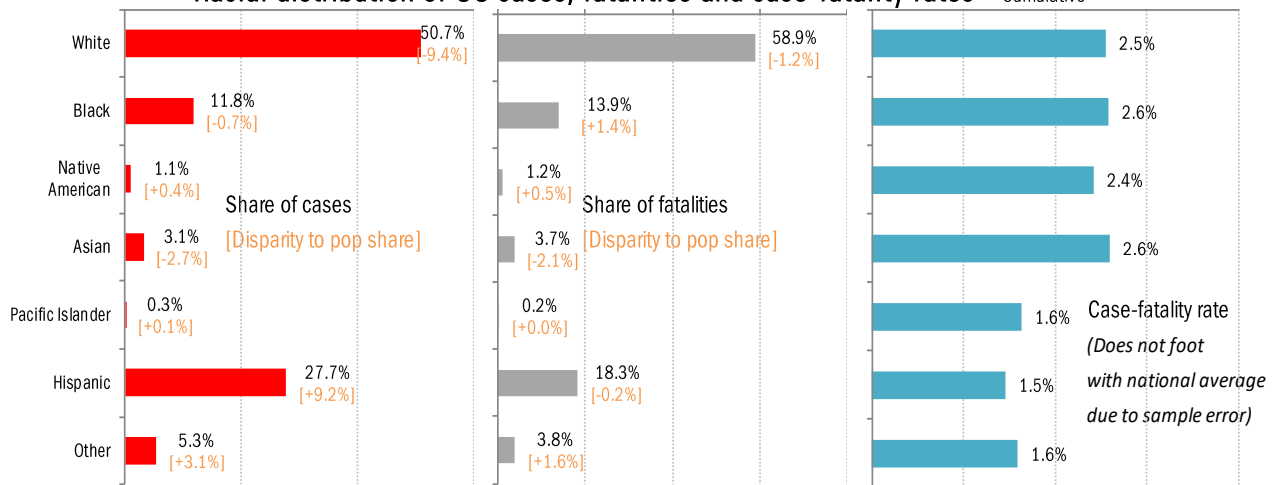


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

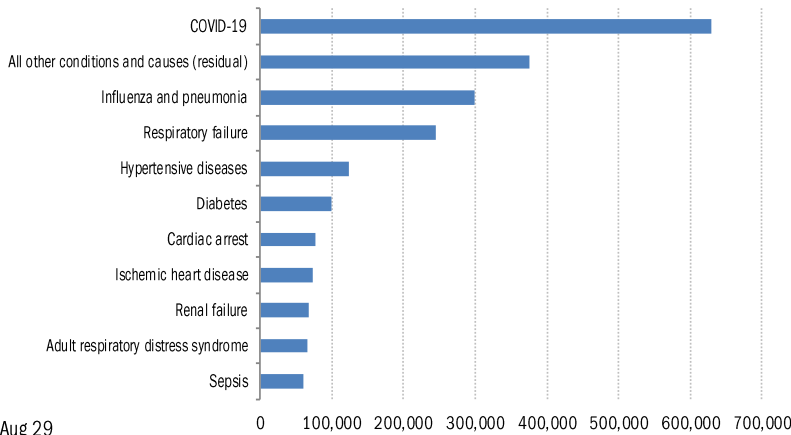


Racial distribution of US cases, fatalities and case-fatality rates



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

[Covid Ravaged South America. Then Came a Sharp Drop in Infections.](#)

Ernesto Londoño, Daniel Politi and Flávia Milhorance
New York Times
September 5, 2021

[Rolling Stone Pushed Fake News on Ivermectin, but What Happened Next Was Even Worse](#)

Nick Arama
Red State
September 6, 2021

[Is Moderna the Tortoise in the Vaccine Race?](#)

Marc Siegel
Wall Street Journal
September 6, 2021

[Blood Donor Study Estimates Over 80% of American Adults Now Have Coronavirus Antibodies](#)

Ed Cara
Gizmodo
September 3, 2021

[Locked-out kids are fatter, sadder](#)

Joanne Jacobs
Linking and Thinking on Education
September 4, 2021

Meme of the day



David Burge
@iowahawkblog

I blame the new owners of Rolling Stone, the Duke lacrosse team

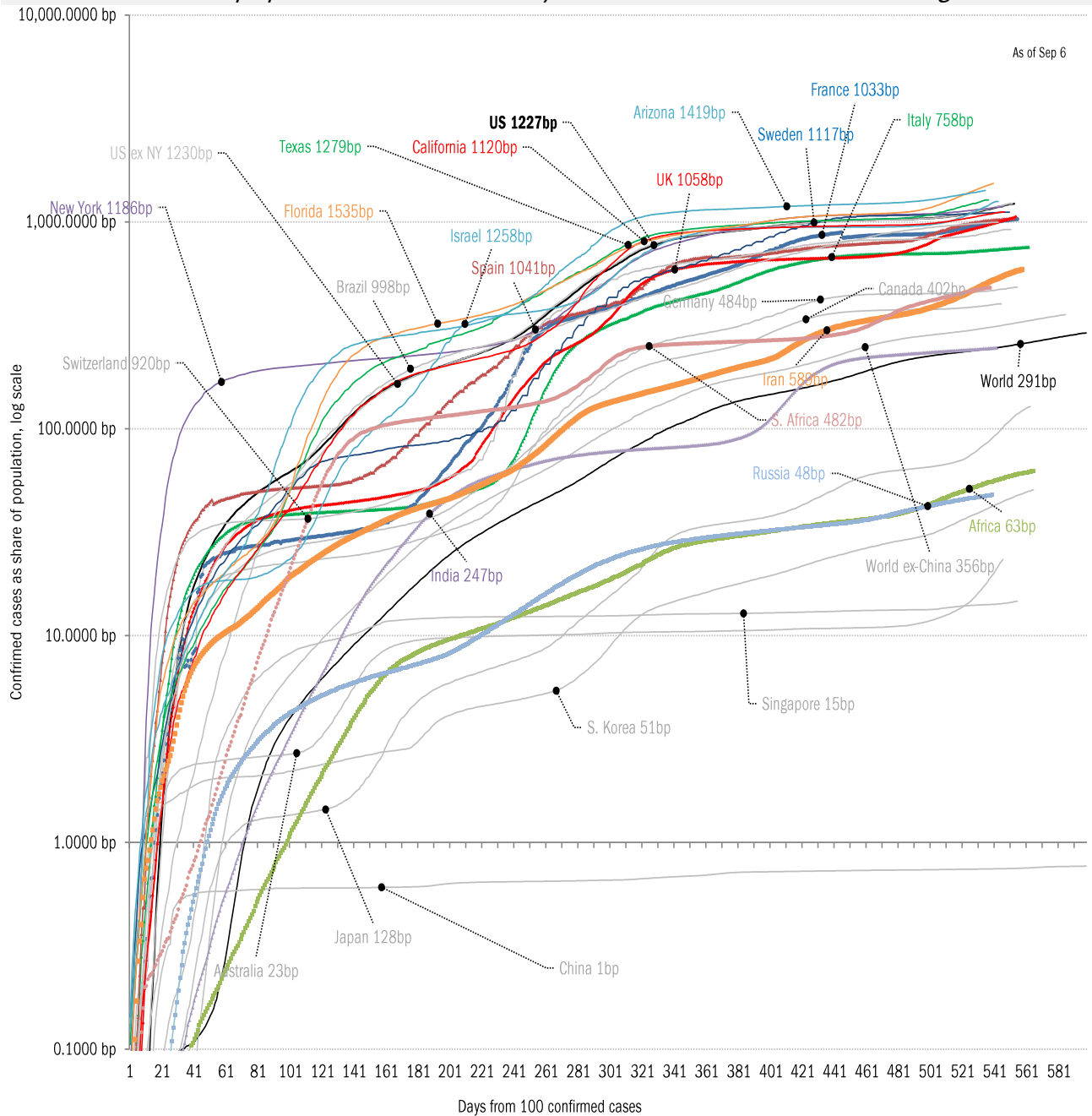
8:49 AM · Sep 6, 2021



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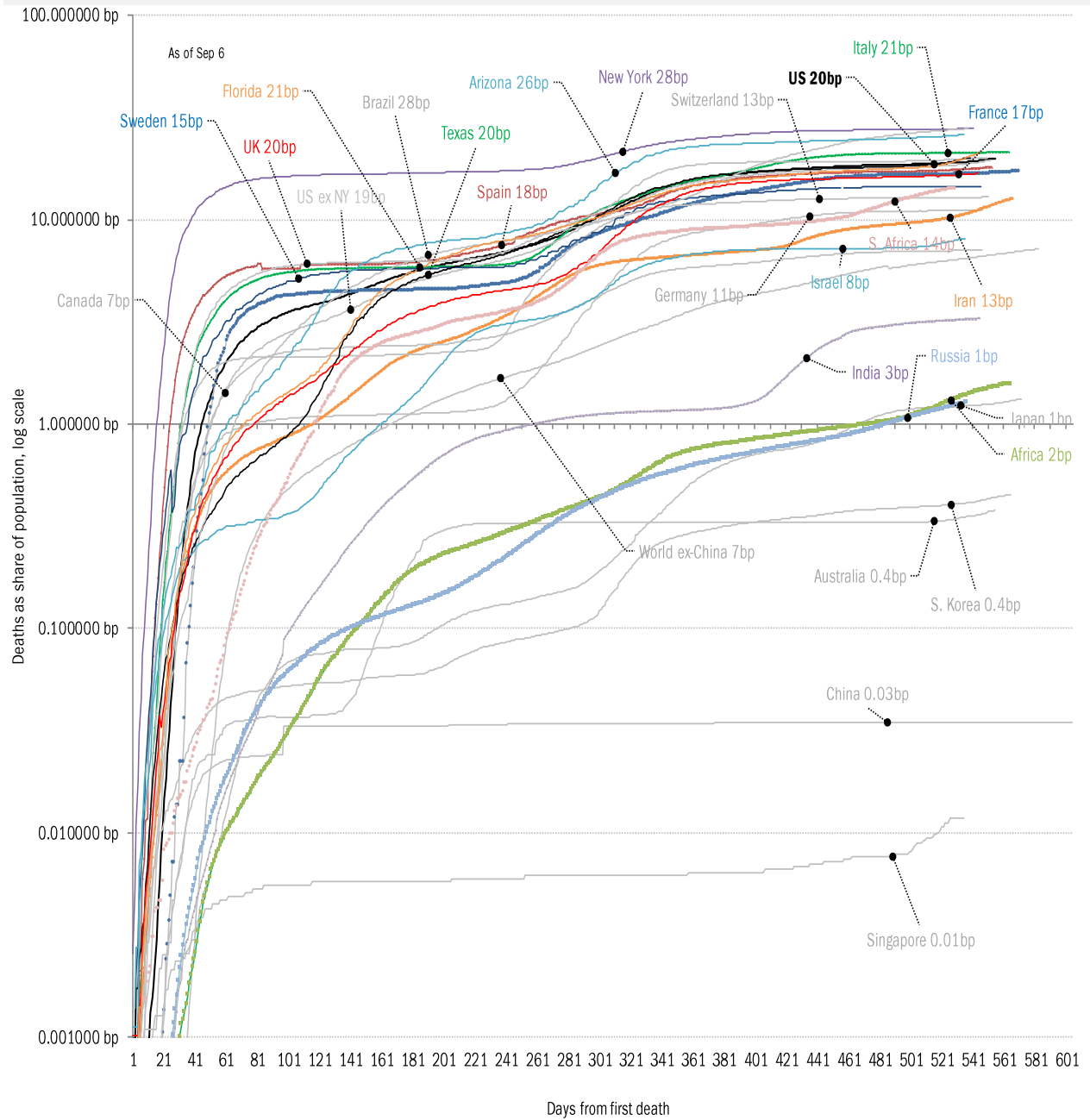
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

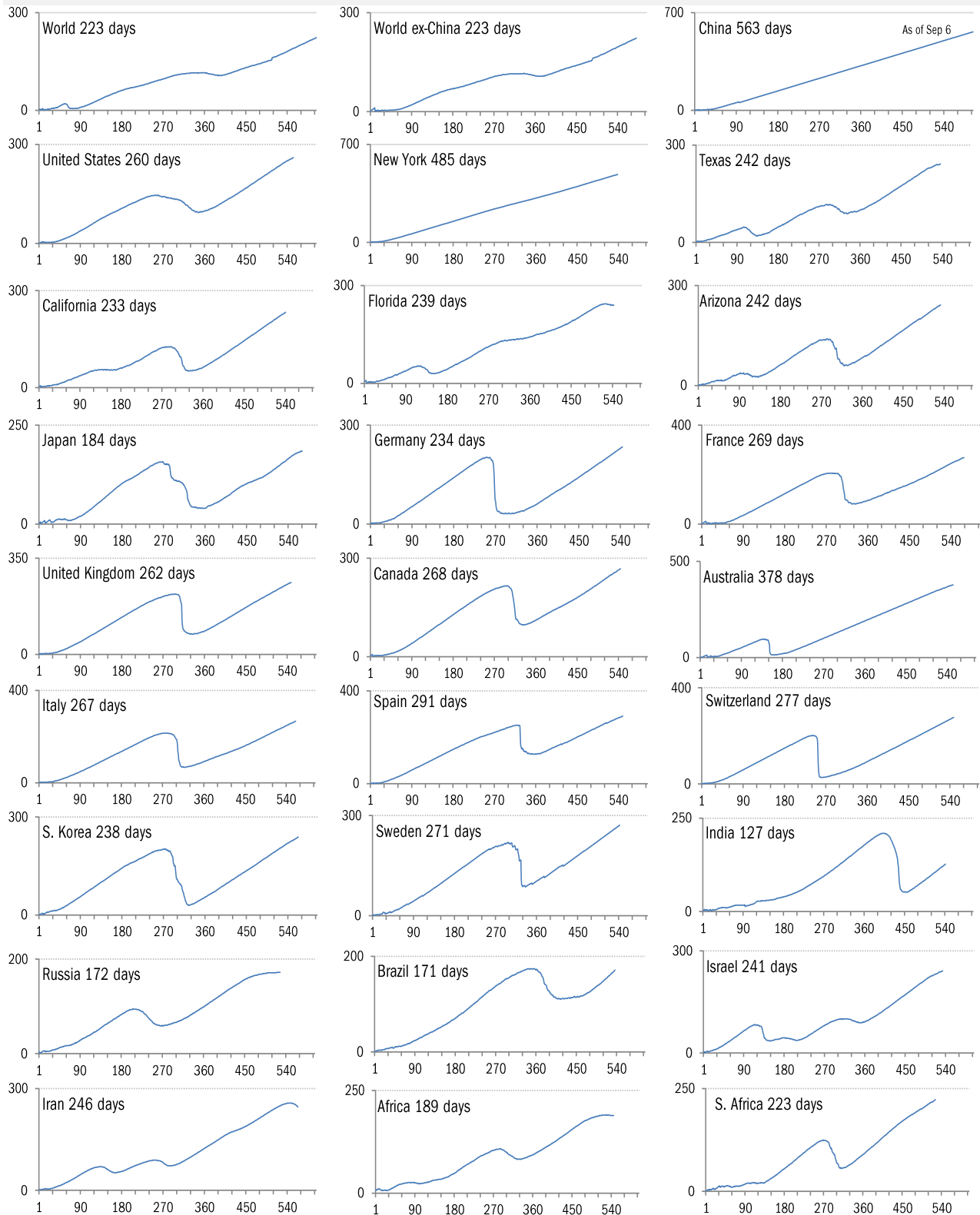


Source: [Johns Hopkins](#), TrendMacro calculations

"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

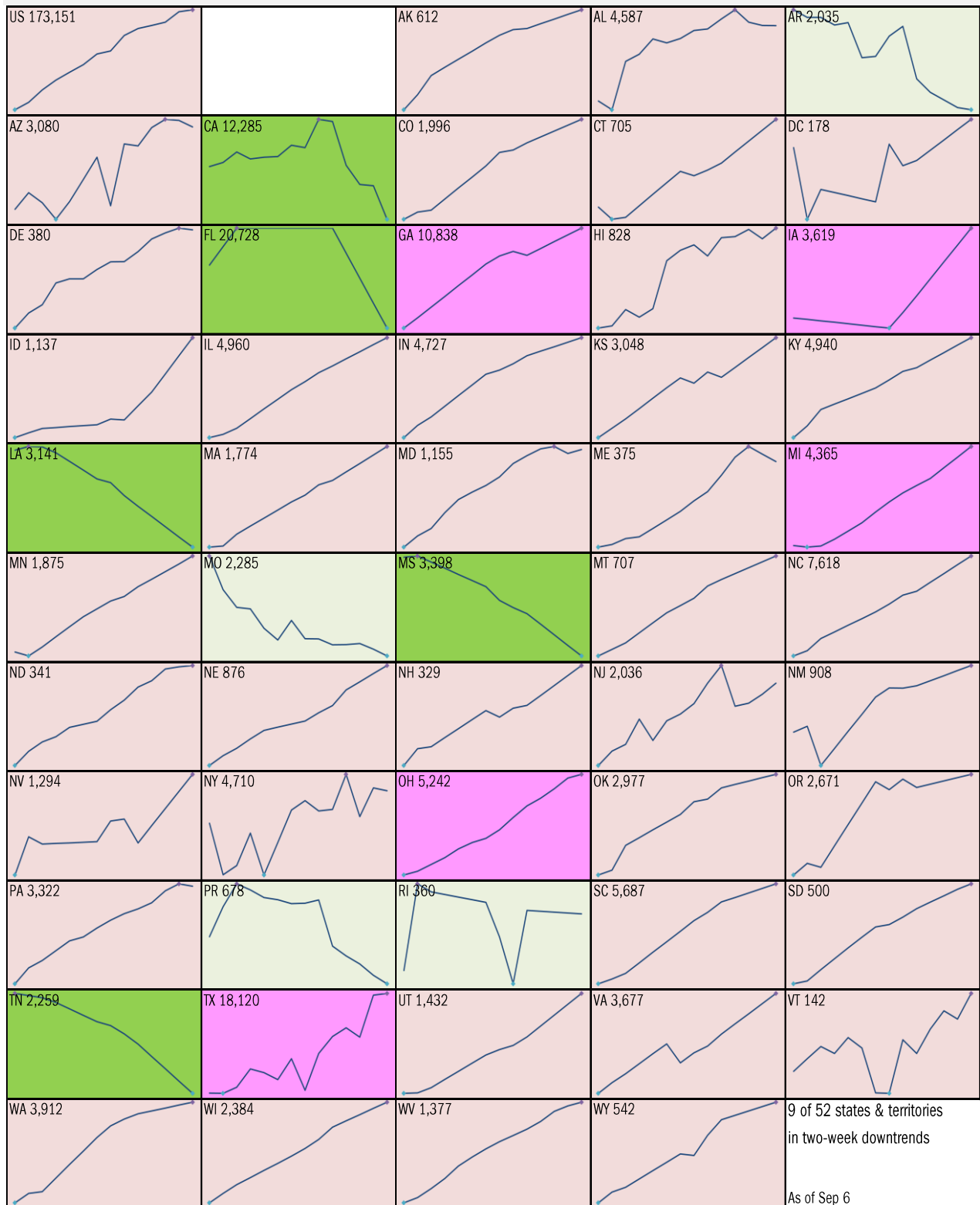


Source: [Johns Hopkins](#), TrendMacro calculations

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

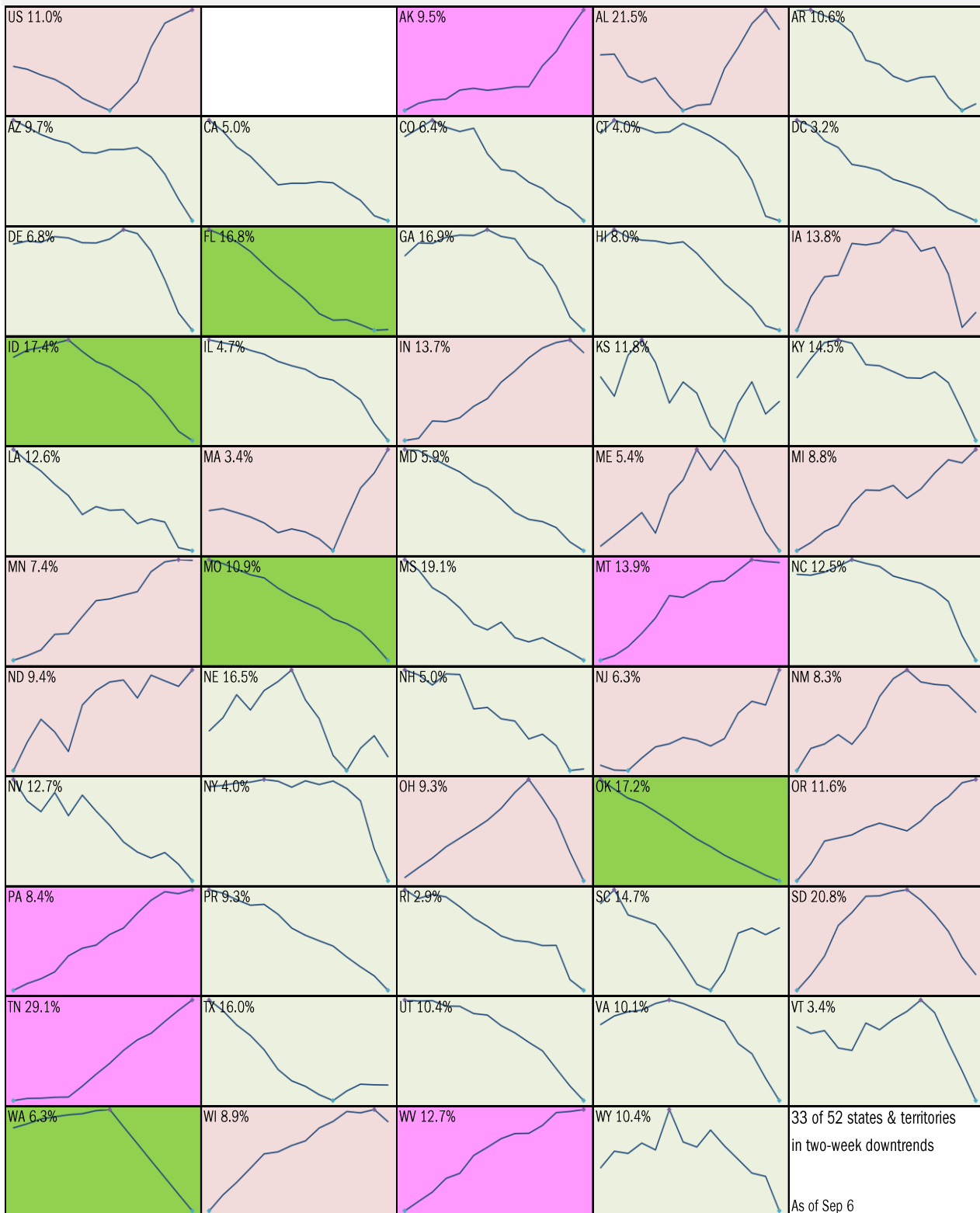


Source: [Johns Hopkins](#), TrendMacro calculations

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

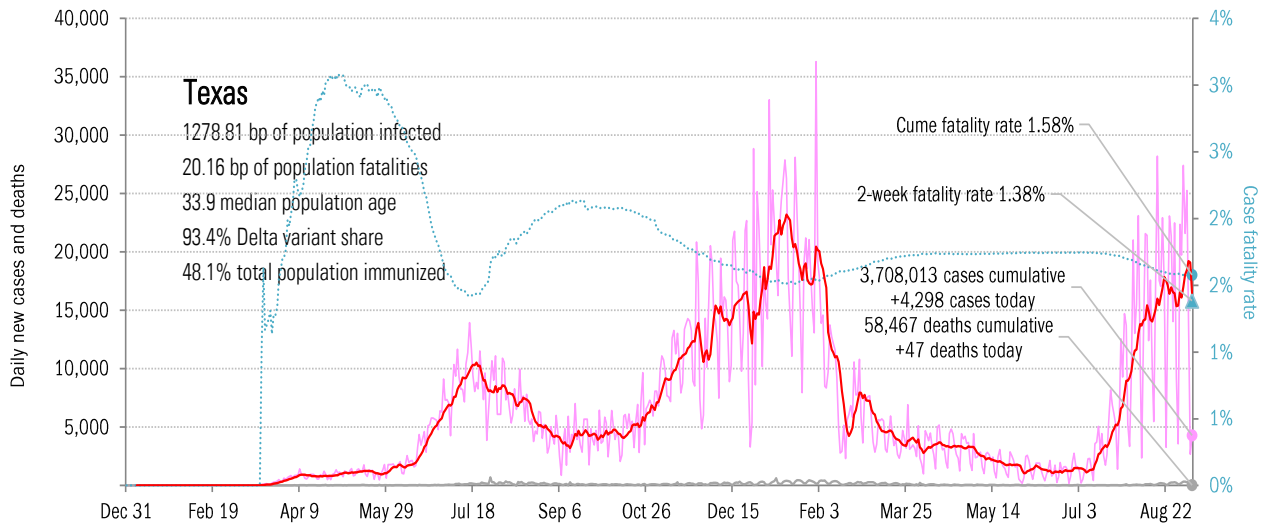
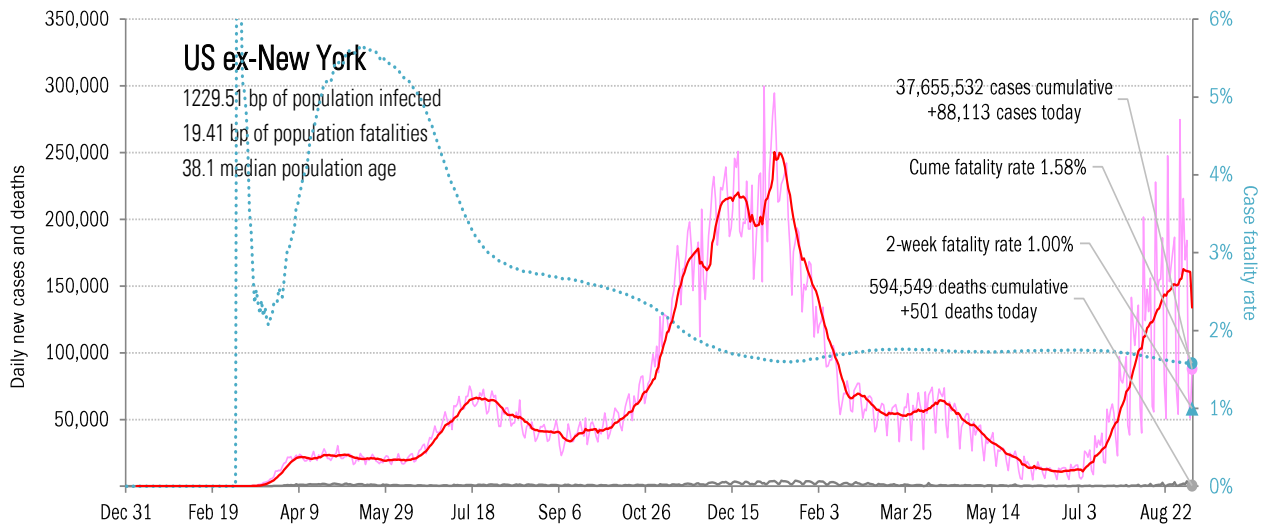
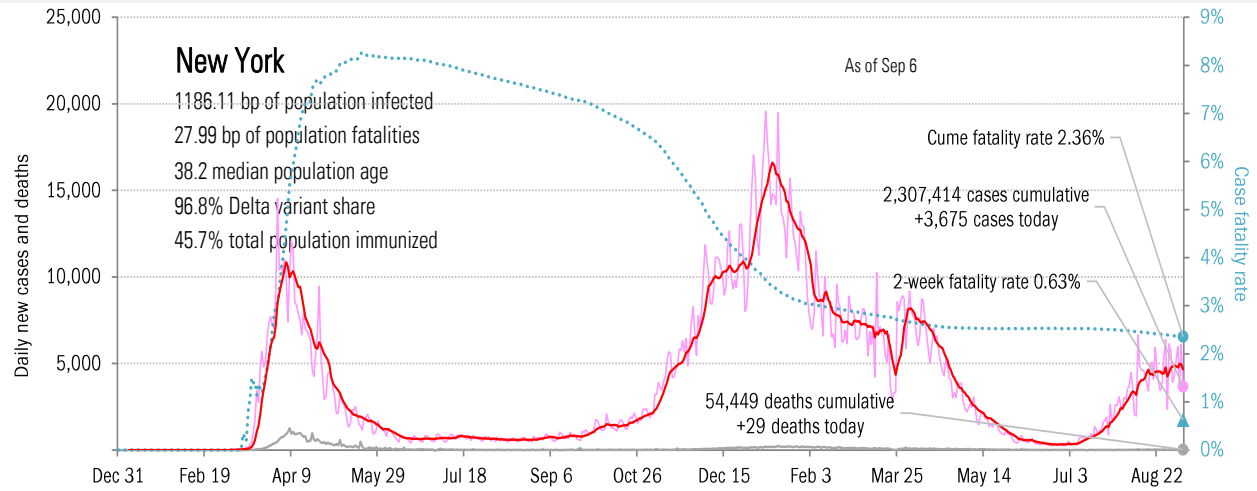
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

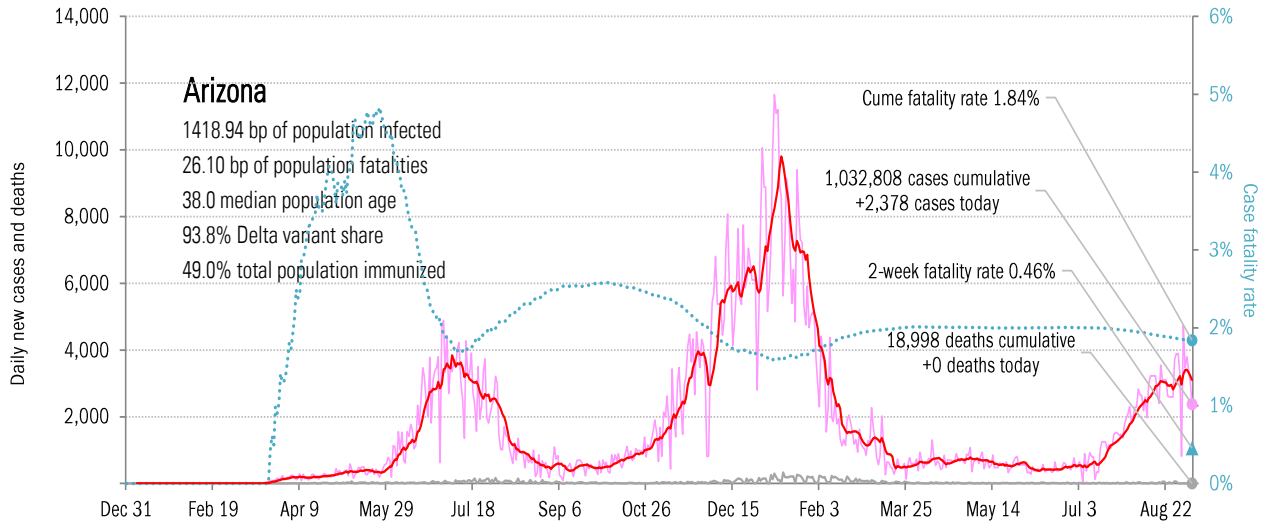
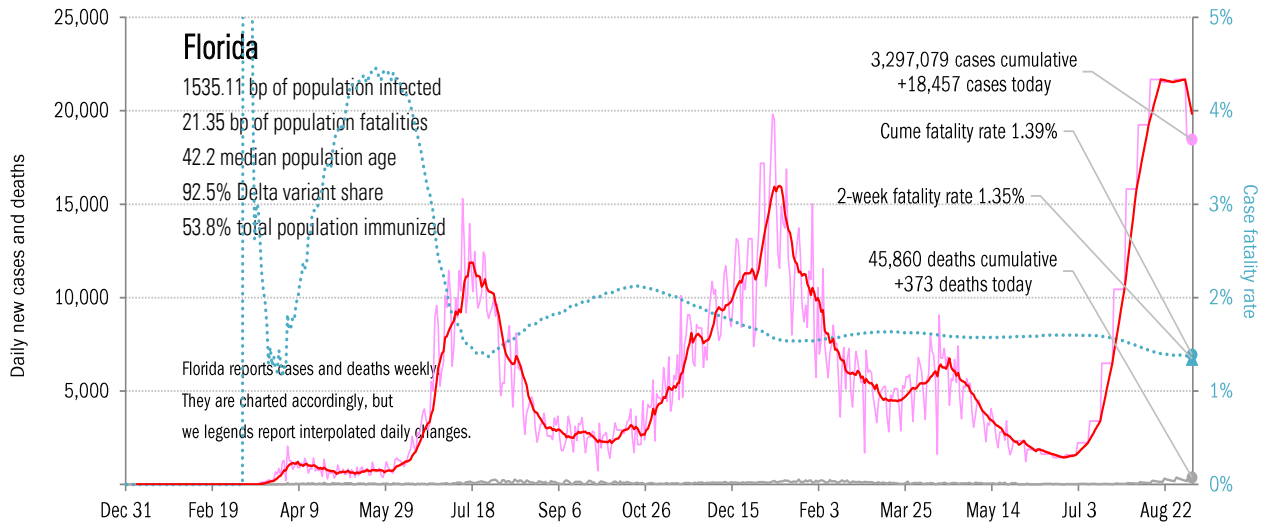
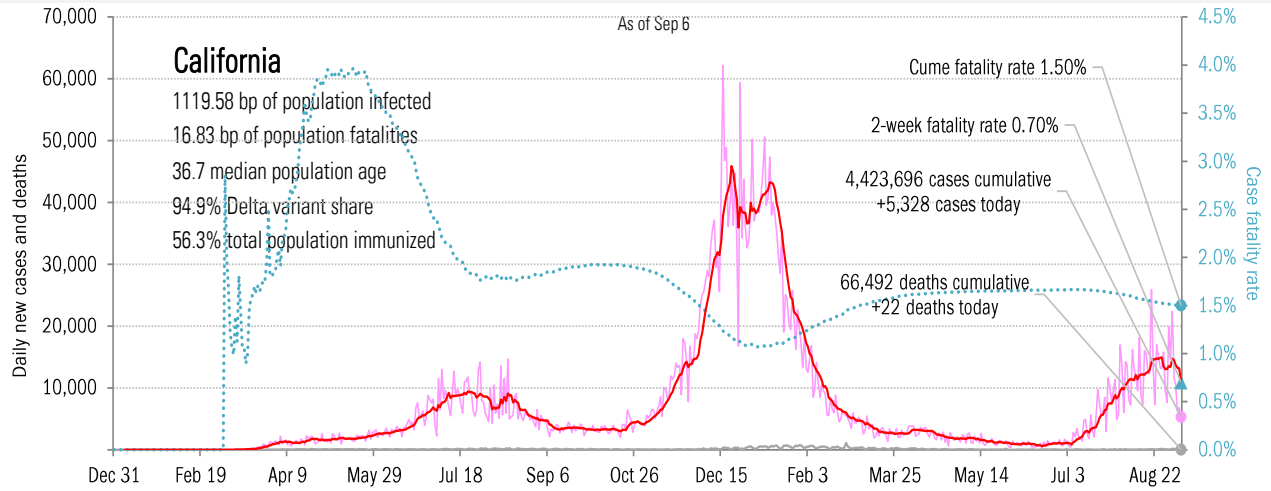
Cases: 7-day average and daily Deaths: Daily



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

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

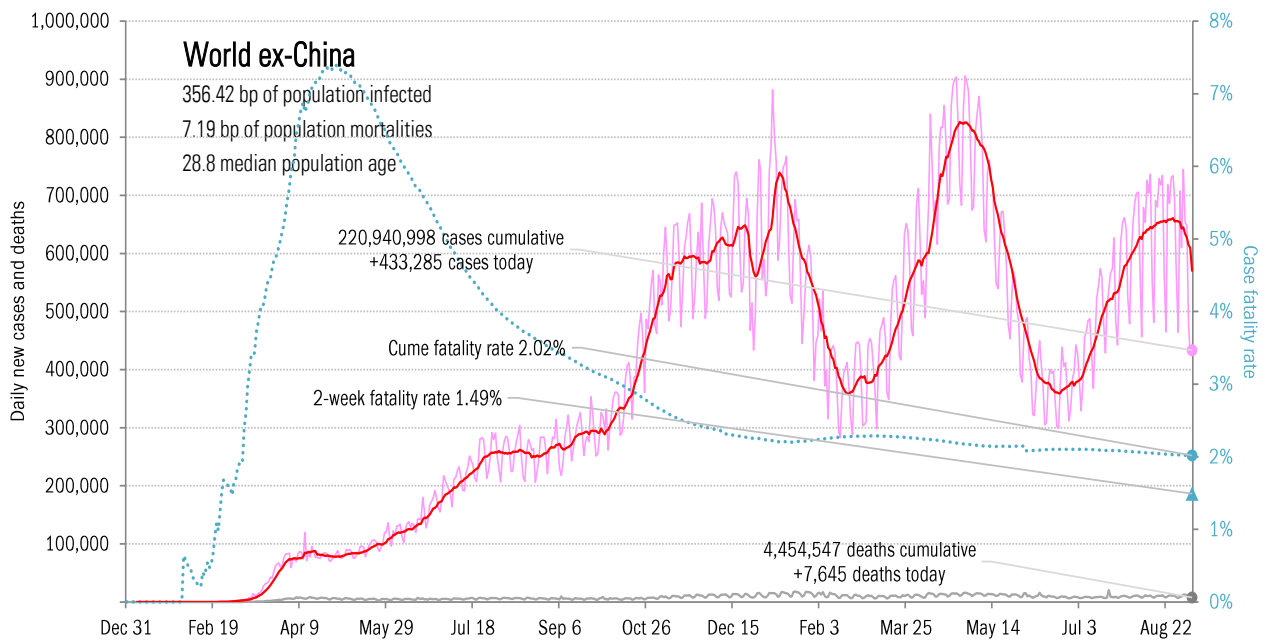
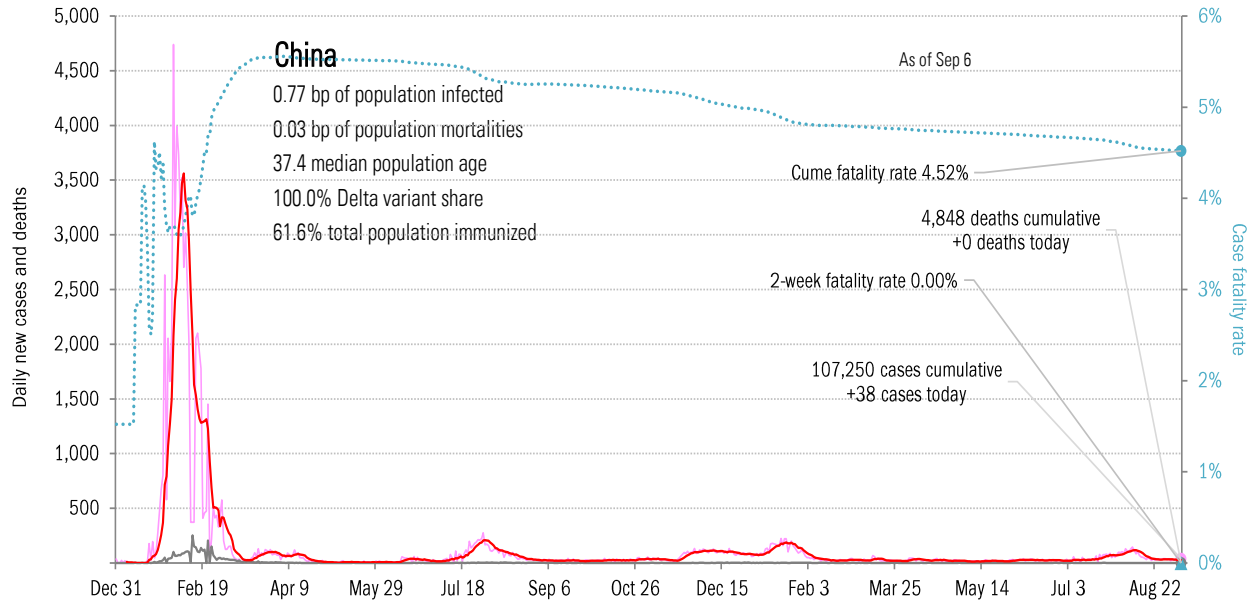
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

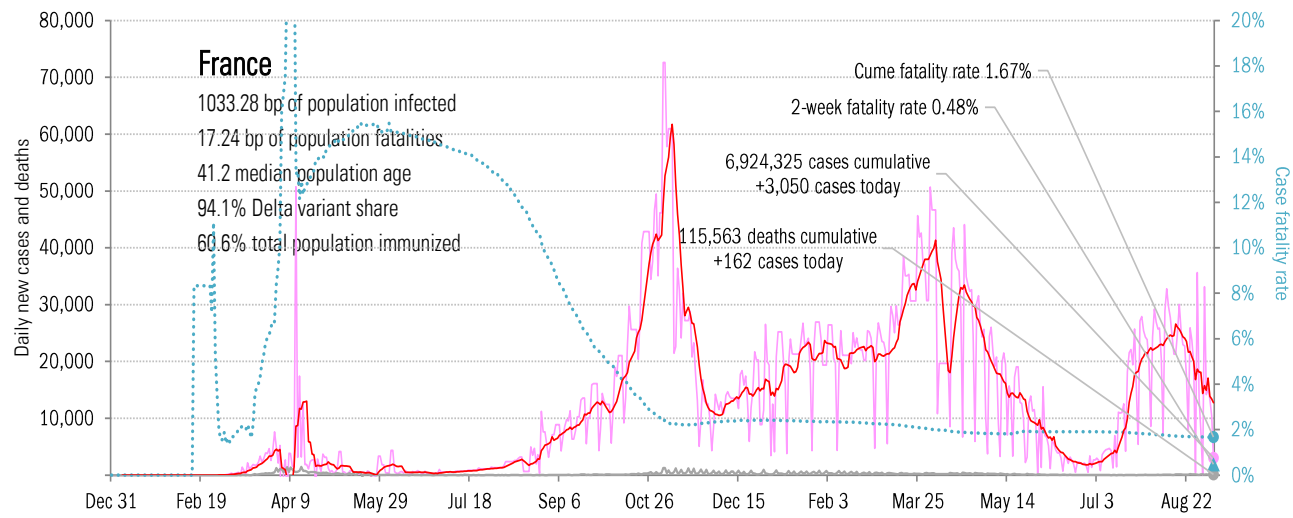
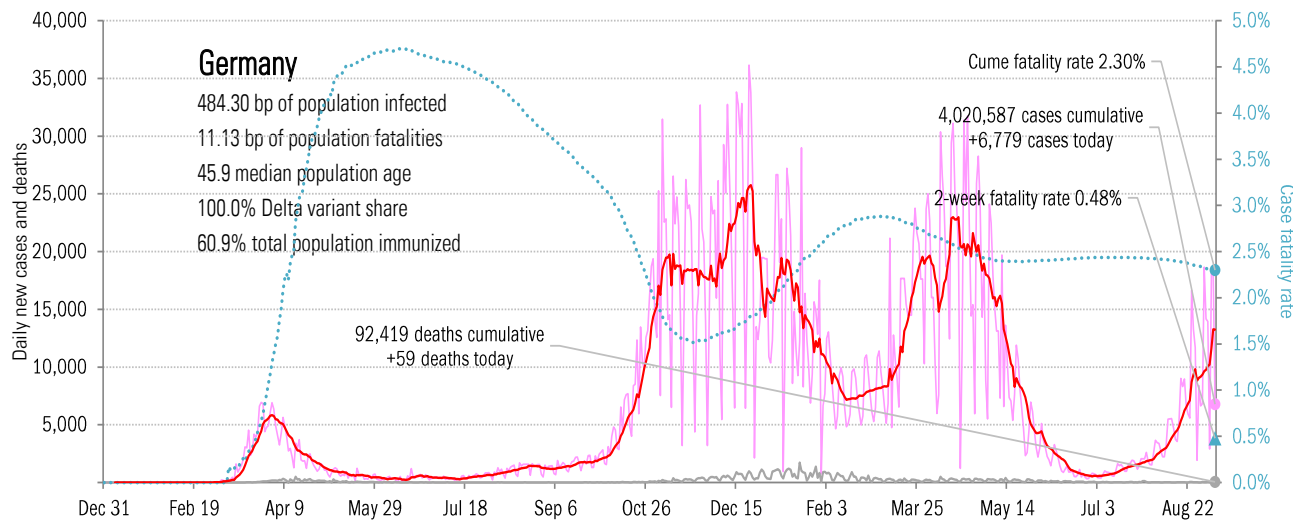
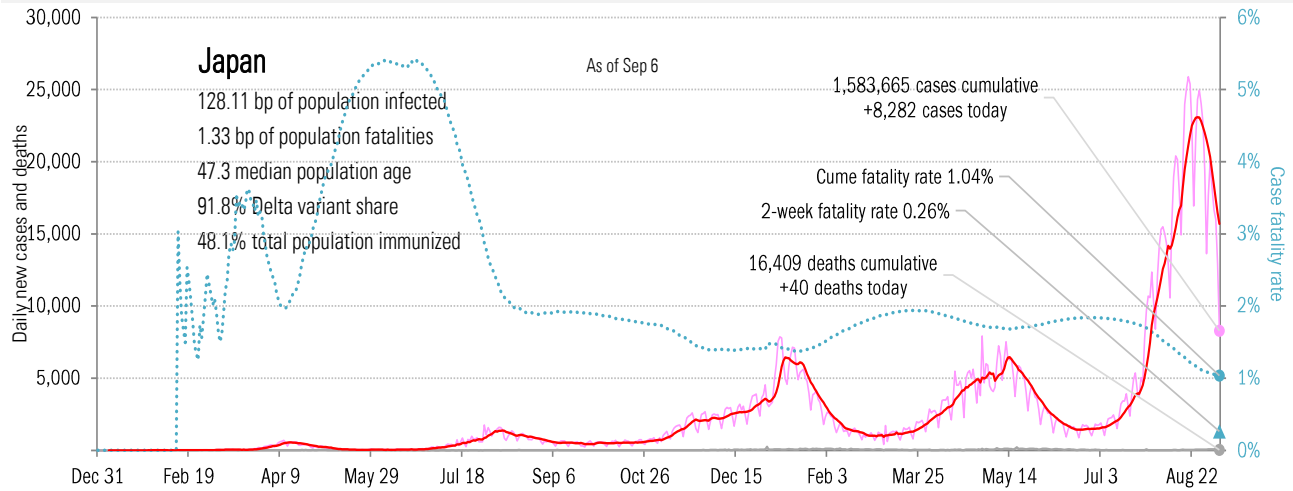
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

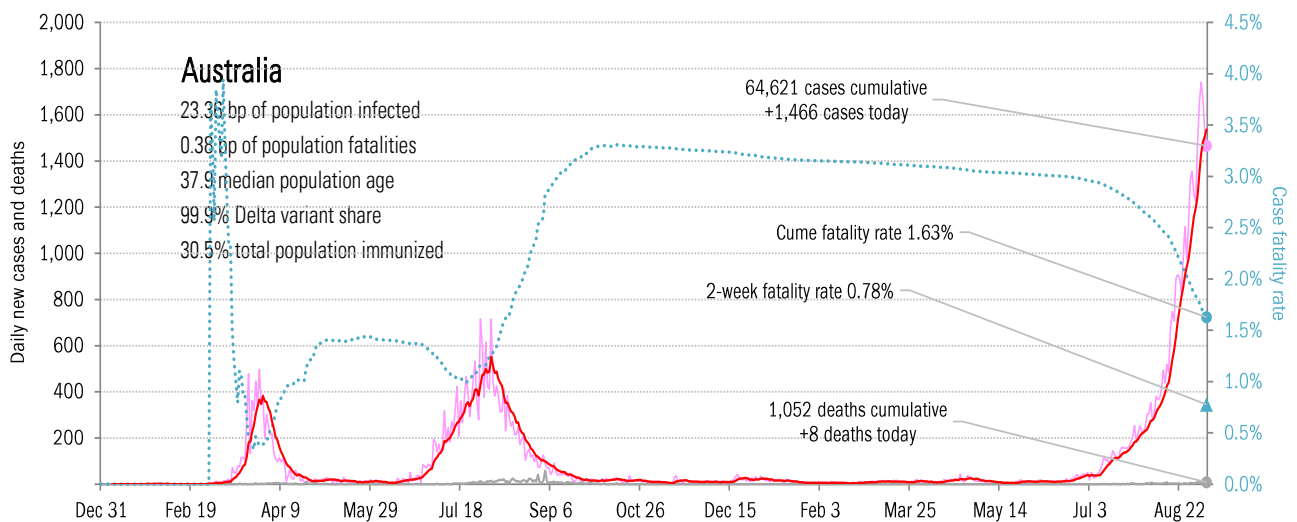
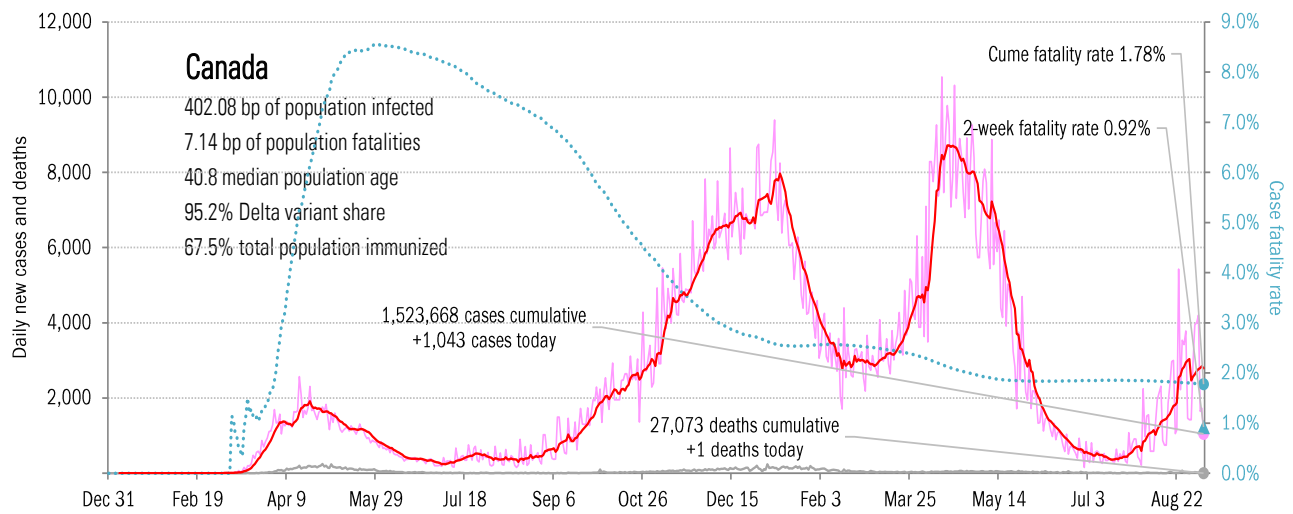
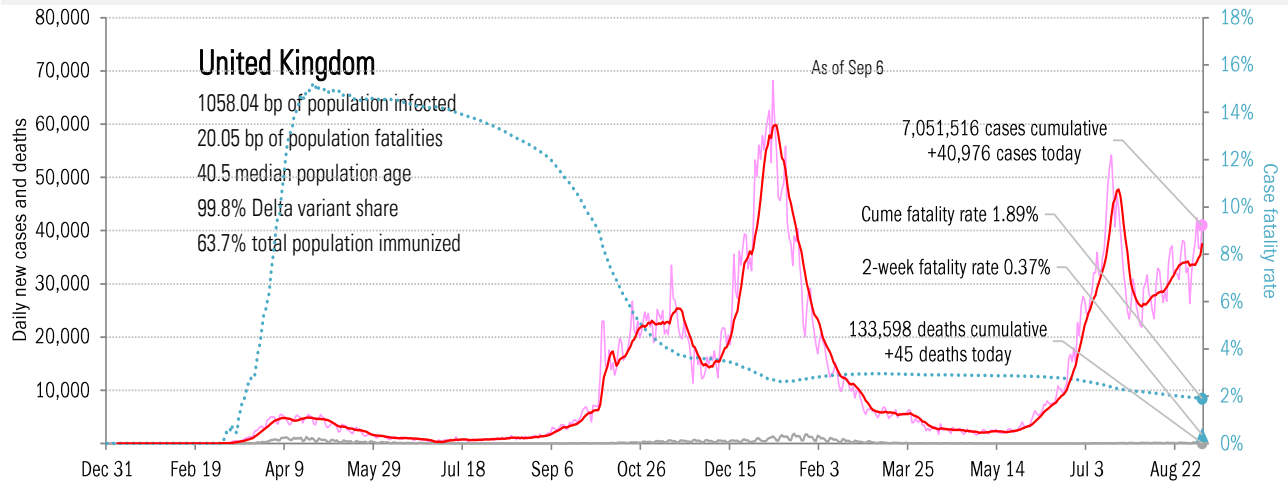
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

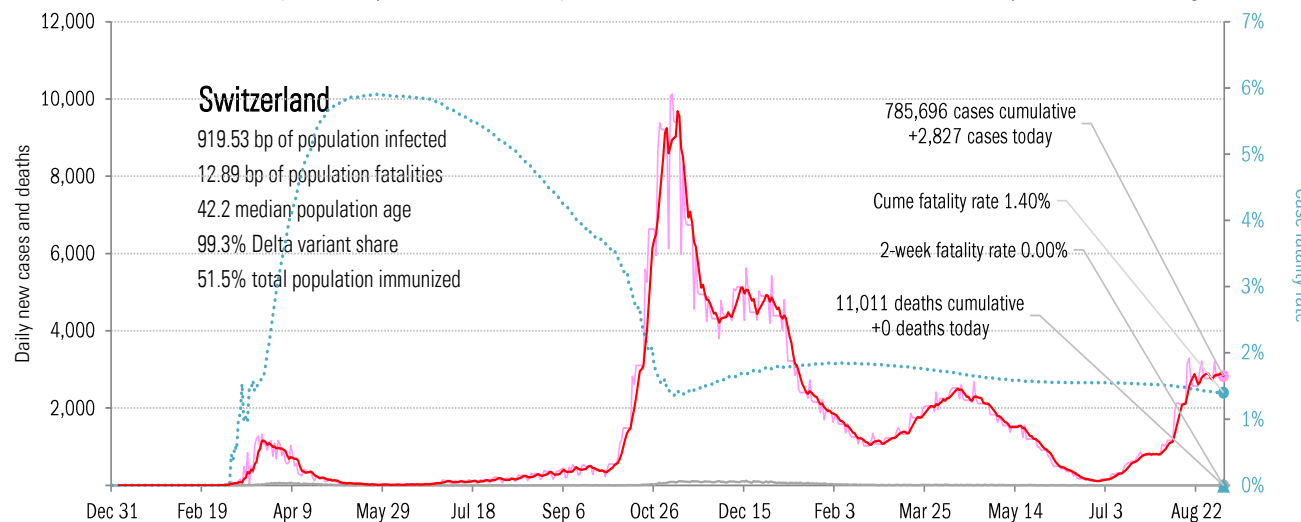
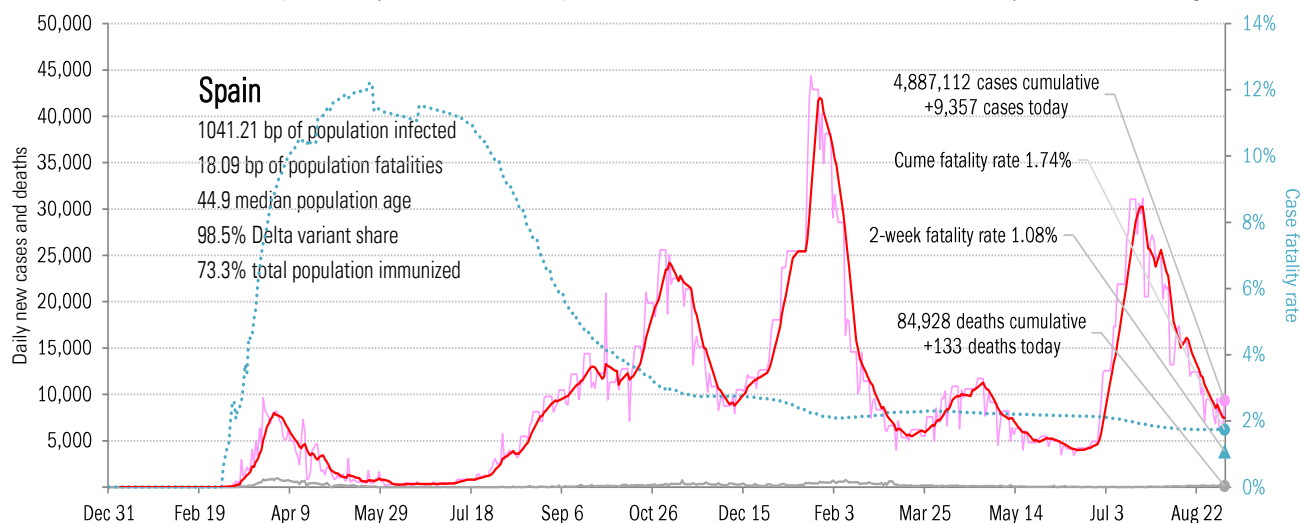
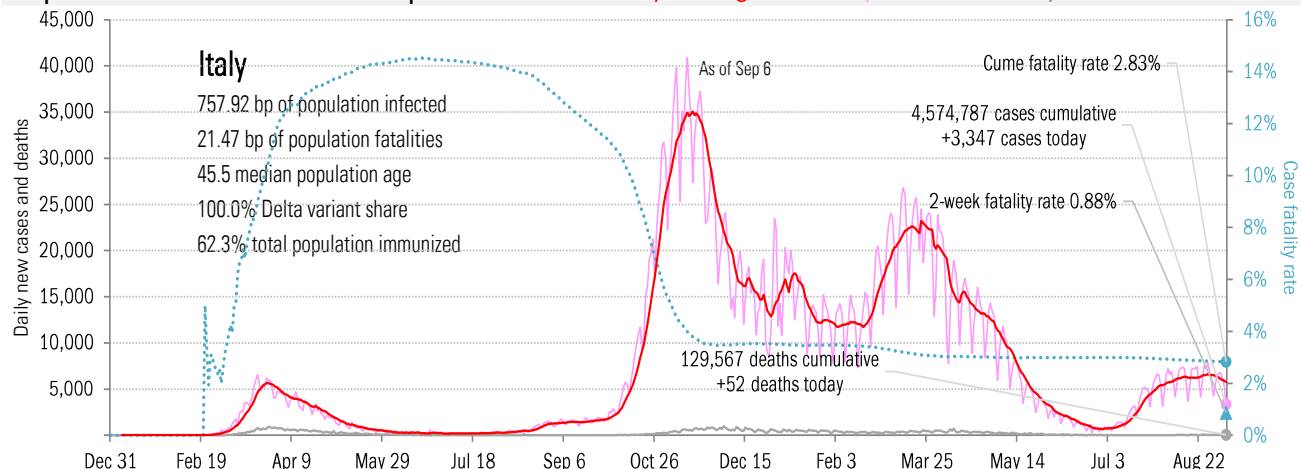
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

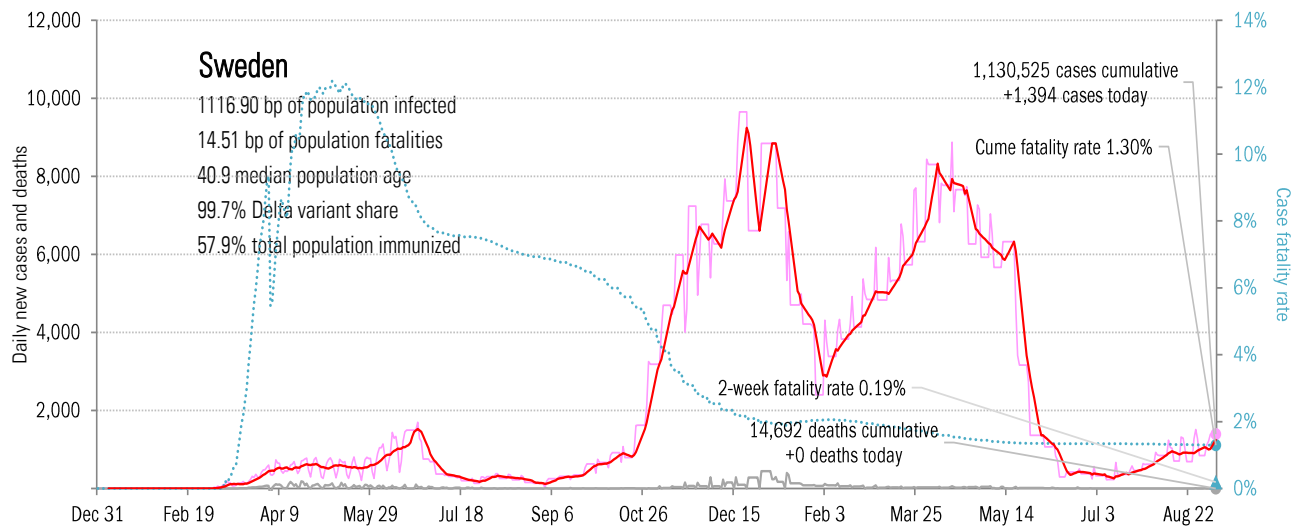
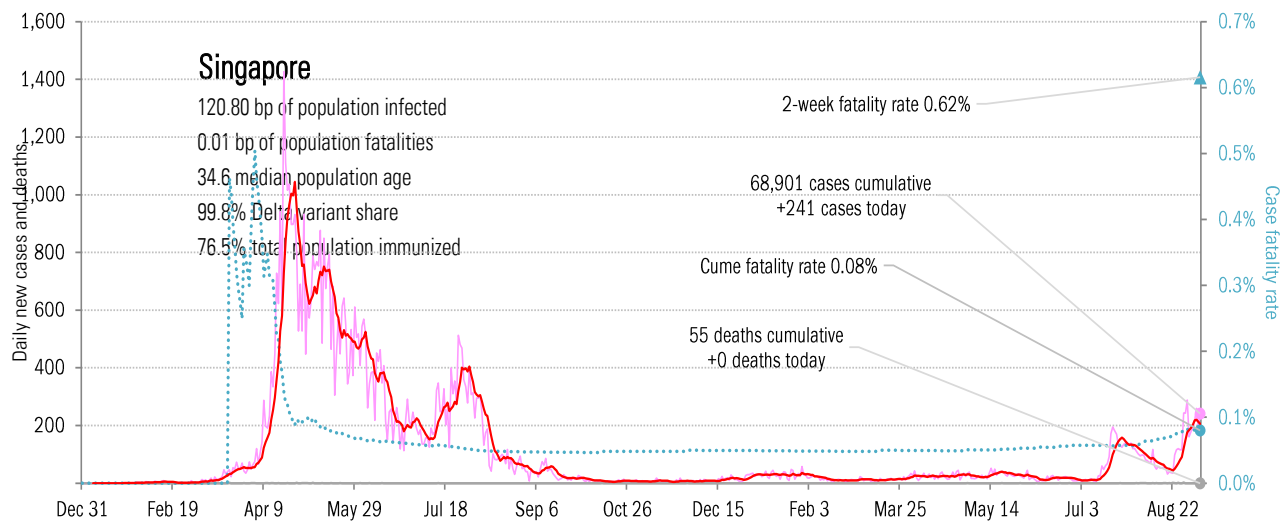
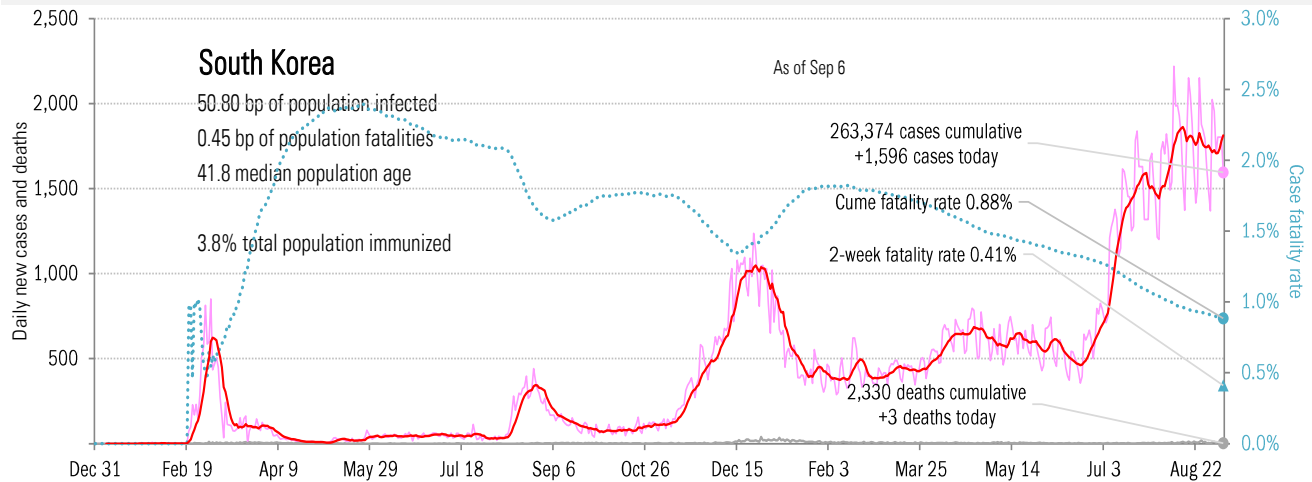
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

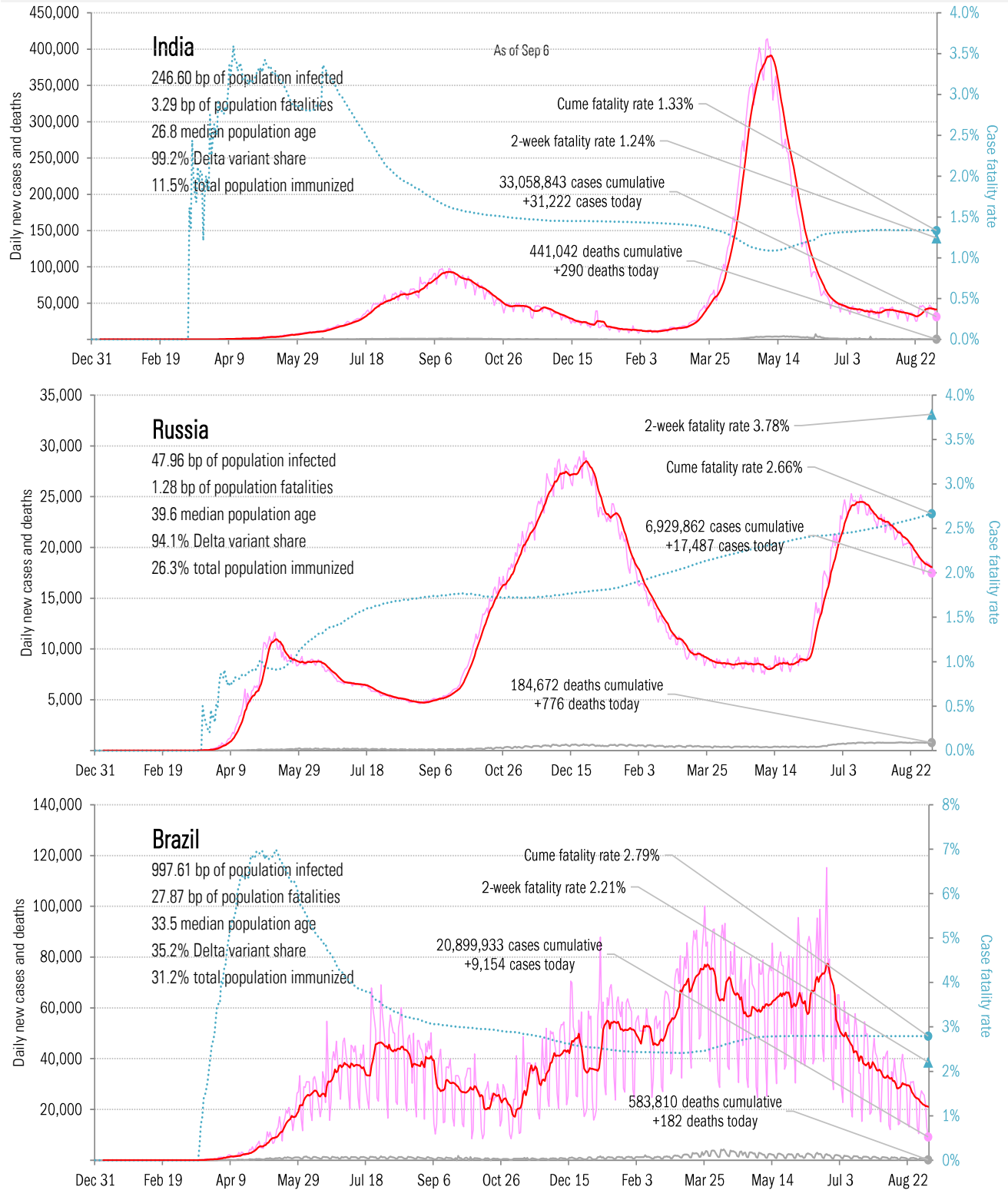
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

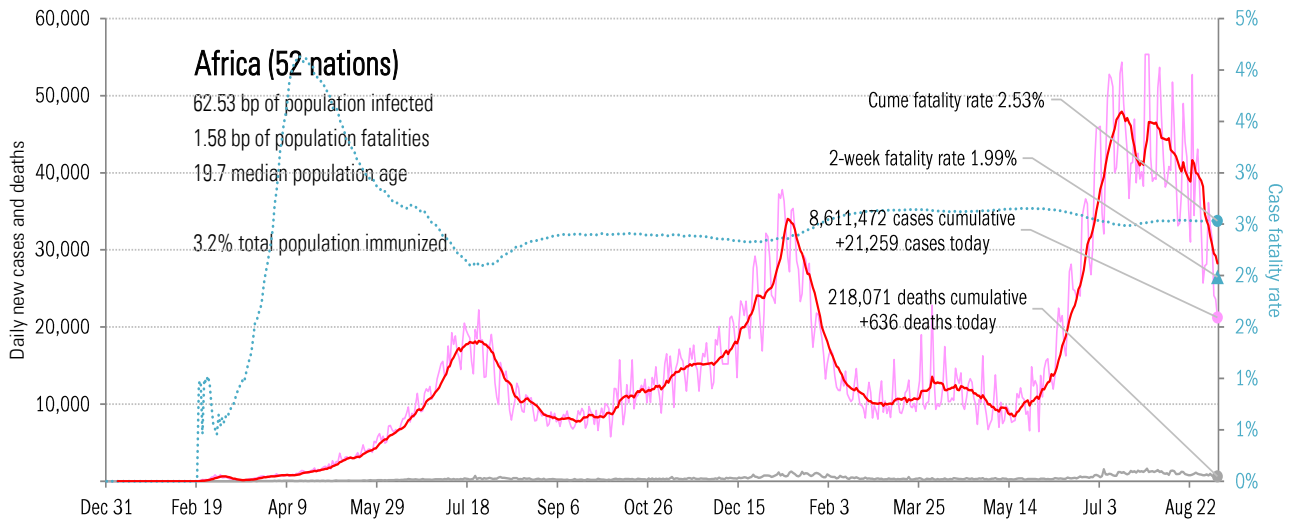
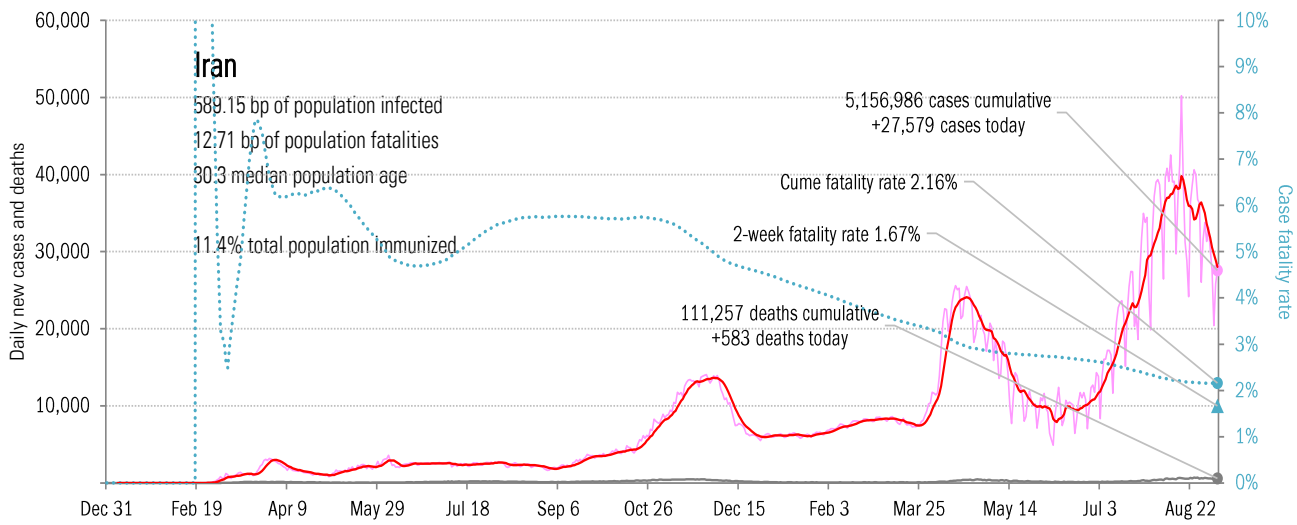
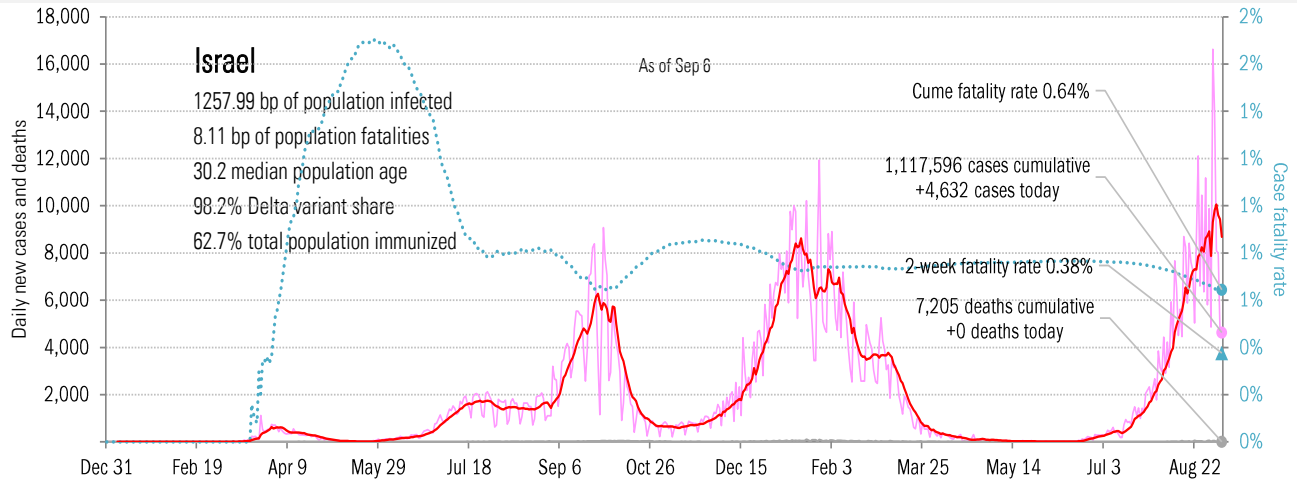
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

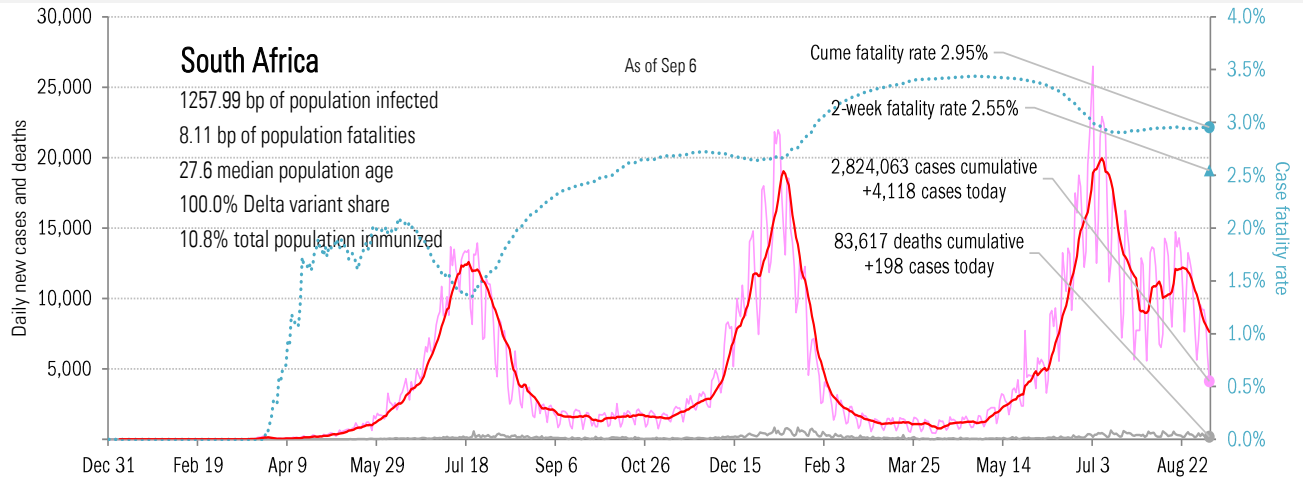
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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