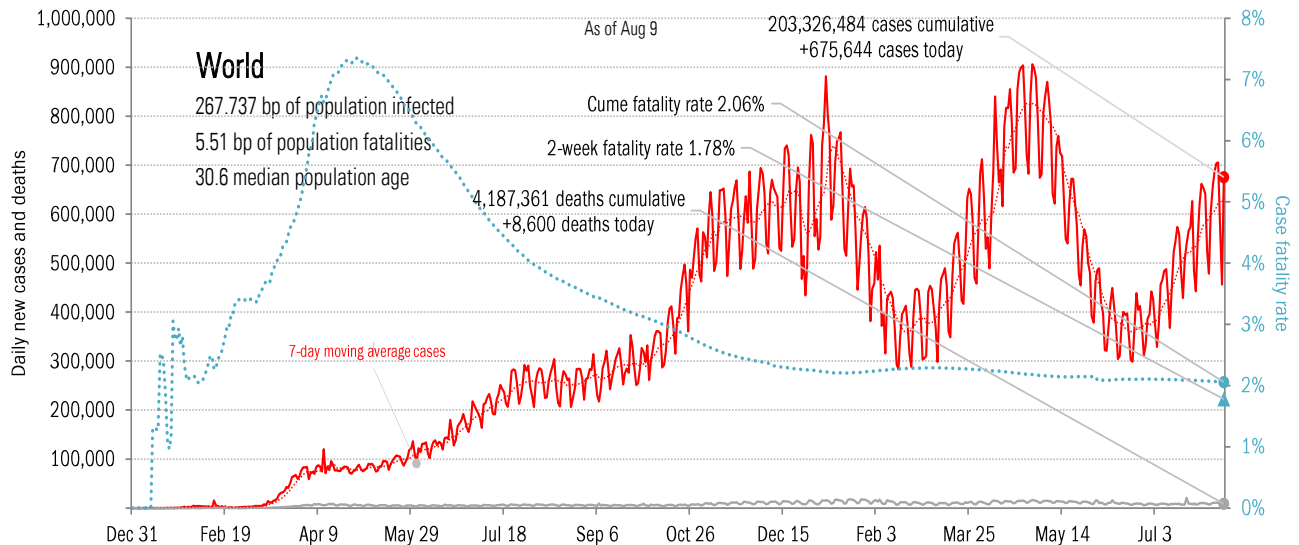
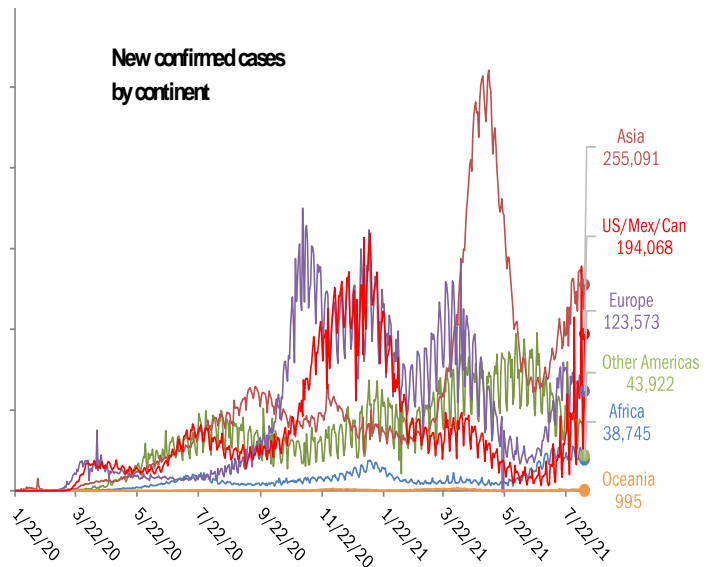


Data Insights: Covid-2019 Monitor

Tuesday, August 10, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+203,596	Indonesia	+1,475
Turkey	+46,400	Russia	+751
Iran	+40,808	Iran	+588
Spain	+39,638	Argentina	+502
India	+28,204	United States	+492
United Kingdom	+25,056	Brazil	+411
Russia	+21,554	India	+373
Indonesia	+20,709	Vietnam	+360
Thailand	+19,603	Mexico	+270
Malaysia	+17,236	Bangladesh	+245
+462,804		+5,467	
World	+675,644	World	+8,600
Top ten	68%	Top ten	64%



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

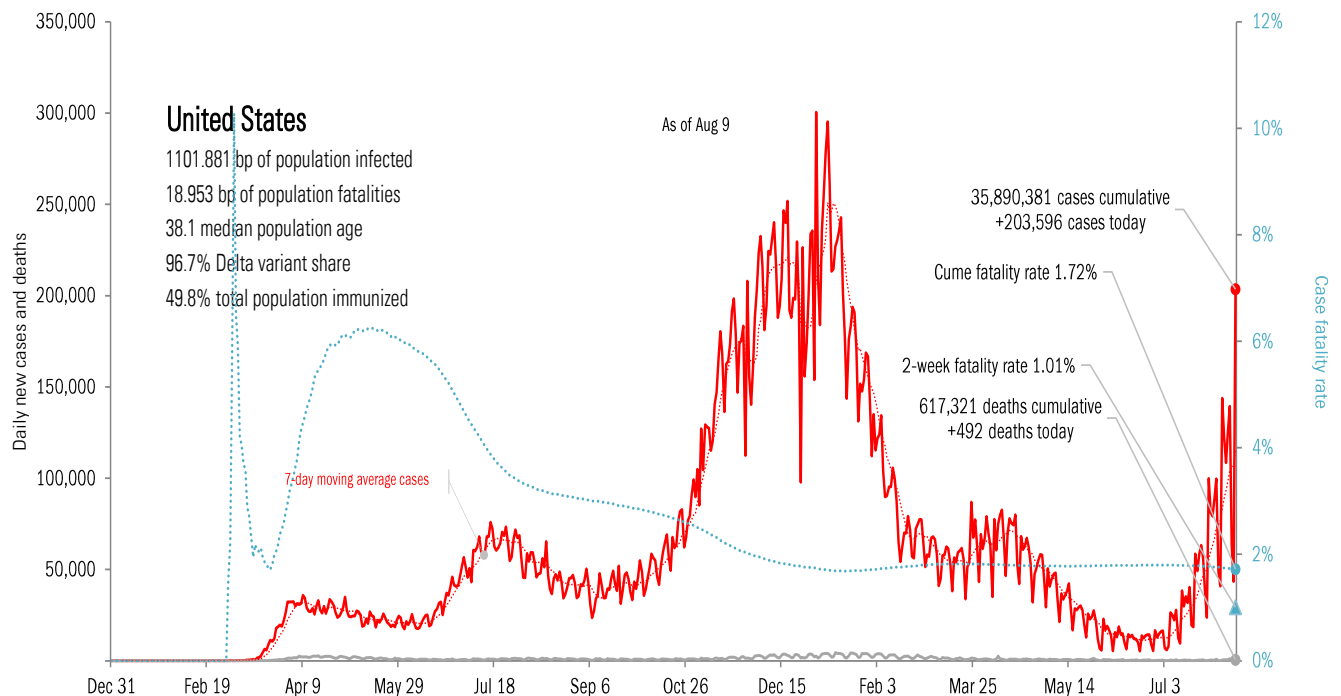
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+19,250		FL	+104		FL	+441		CA	4,063,317		CA	64,800		TX	280,323		RI	90%	LA	44%
LA	+16,543		LA	+50		TX	+339		TX	3,250,897		NY	53,750		CA	256,280		MA	85%	MS	44%
CA	+16,220		TX	+39		CA	+190		FL	2,711,235		TX	53,727		FL	228,145		MD	84%	FL	43%
NC	+15,801		NV	+35		GA	+100		NY	2,178,724		FL	39,529		NY	140,135		GA	84%	AR	40%
GA	+13,041		SC	+31		AL	+77		IL	1,444,211		PA	27,903		GA	118,586		FL	84%	MO	36%
TX	+12,881		GA	+29		LA	+75		PA	1,242,724		NJ	26,650		PA	93,867		MO	83%	AL	35%
TN	+9,410		IL	+29		KY	+72		GA	1,224,480		IL	25,965		CH	91,093		PA	81%	TX	35%
SC	+9,311		MS	+28		NY	+65		CH	1,143,599		GA	21,831		IL	86,471		SC	80%	OK	32%
IL	+7,858		NC	+23		TN	+61		NC	1,086,938		MI	21,228		KY	83,213		MN	80%	NV	30%
MS	+6,912		KS	+22		NC	+57		NJ	1,050,083		CH	20,556		MI	74,863		NV	79%	GA	30%
+127,227			+330			+1,477			19,396,208			355,939			1,452,976			All states 70%		67%	
All states +203,596			+596			+2160			All states 35,890,381			617,321			2,580,757			All states 70%		67%	
Top ten 62%			65%			68%			Top ten 54%			58%			56%			Median 73%		14%	

Some states not reporting

Five most improved US states

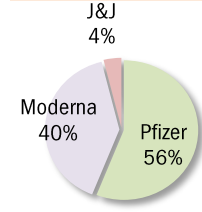
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-1,512	CA	-14	MO	-133	NE	+20 bp
MO	-615	AZ	-12	GA	-71	AL	+10 bp
AZ	-448	NY	-9	LA	-67	AR	+10 bp
FR	-386	NJ	-5	SC	-63	AZ	+10 bp
AR	-374	MD	-4	AR	-47	CA	+10 bp



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			
	361,945,473				+0.535 million	US	49.8%	58.4%
Total population	200,050,099	60%	170,978,233	51%	+0.178 million	UK	58.3%	69.3%
Age 12 to 17	11,579,813	46%	8,706,519	34%	+0.039 million	France	50.2%	66.1%
Age 18 to 64	137,153,165	67%	116,615,270	57%	+0.147 million	Spain	61.1%	71.5%
Age 65 and over	51,091,980	93%	45,525,992	83%	+0.008 million	Germany	54.7%	62.1%
						Italy	55.7%	65.9%
						Australia	18.1%	35.7%
						Israel	62.4%	67.2%
						Canada	62.2%	72.2%
						Japan	34.2%	47.2%
						Africa	2.0%	3.9%
						India	8.2%	28.7%
						Brazil	21.5%	52.5%
						China	15.5%	43.2%



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



Every American >18 immune in **234 days** by Mar 30, 2022
 62.8% of population >18 immunized
 12.2% previously tested positive
75.0% vs 60% adult herd immunity*

As of Aug 9

Global data differs from sources, timing

AK
52.2%
45.9%

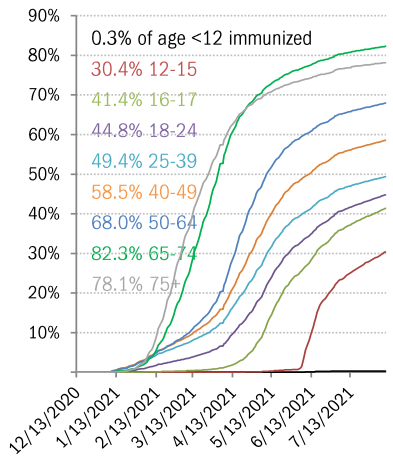
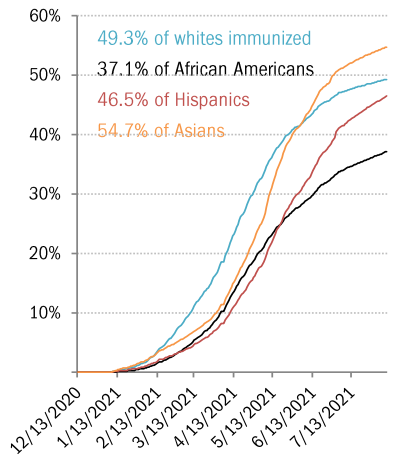
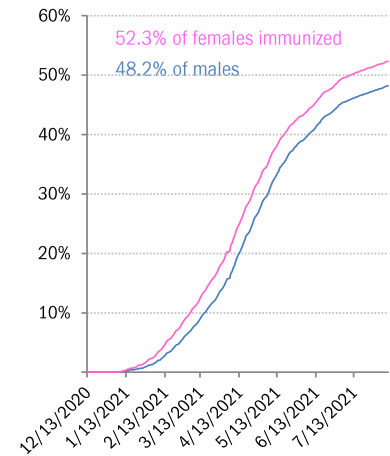
WI
56.6%
52.3%

ME
69.1%
64.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
65.0%	41.9%	50.2%	46.2%	59.8%	63.5%	53.7%	64.3%	76.1%	65.5%	
58.3%	37.8%	44.7%	40.4%	54.3%	49.2%	49.2%	57.8%	68.0%	58.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
61.6%	55.2%	42.4%	53.7%	54.0%	48.1%	50.6%	66.7%	67.2%	73.5%	
56.5%	45.2%	37.0%	47.4%	50.0%	44.7%	47.0%	53.1%	59.1%	64.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
66.1%	53.1%	61.2%	55.1%	50.1%	53.5%	46.3%	62.8%	65.8%	71.0%	68.5%
53.7%	45.4%	55.0%	50.1%	42.2%	46.3%	39.2%	55.2%	59.5%	63.9%	62.2%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	54.2%	66.7%	54.6%	49.3%	46.1%	52.5%	48.2%	65.1%	61.7%	
	45.9%	57.9%	45.9%	37.7%	39.6%	44.3%	41.2%	55.7%	53.3%	
			OK	LA	MS	AL	GA			
			49.3%	45.0%	41.9%	45.2%	47.2%			
			40.8%	37.6%	35.2%	34.9%	39.1%			
			TX					FL		PR
			53.3%					59.9%		69.7%
			44.6%					49.7%		60.7%

HI
72.1%
53.9%

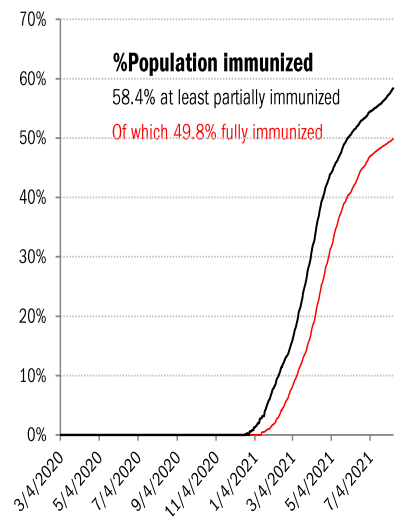
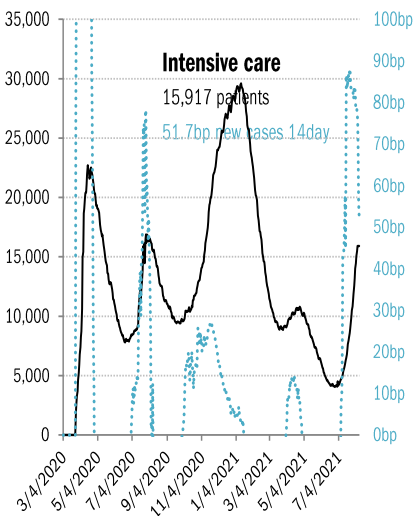
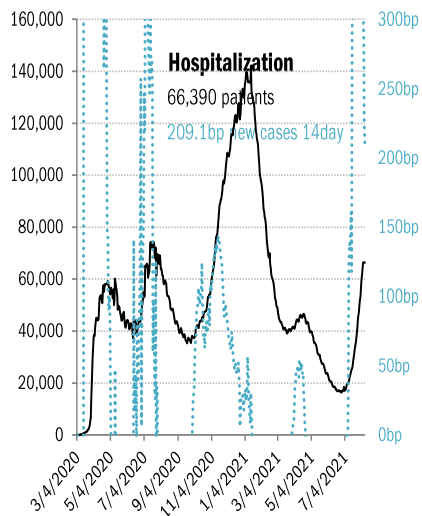
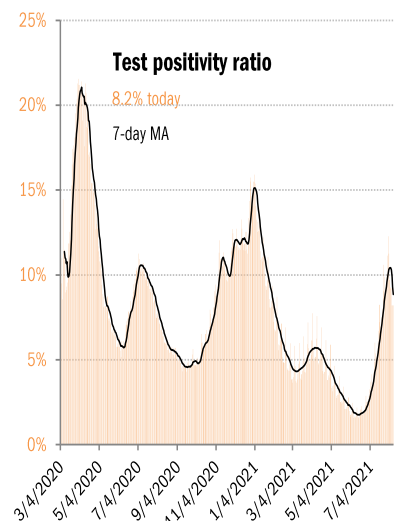
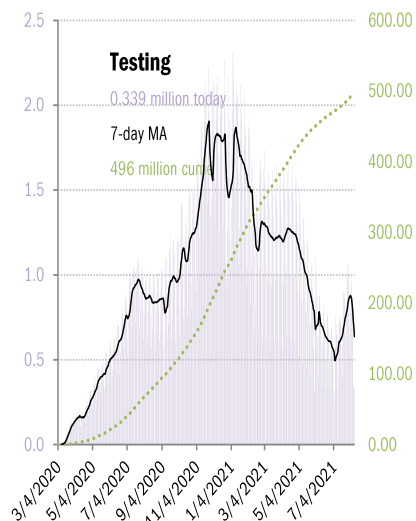
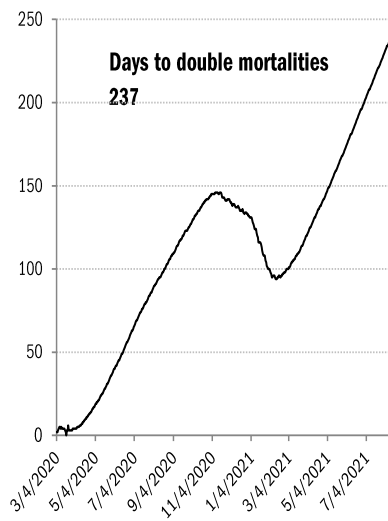
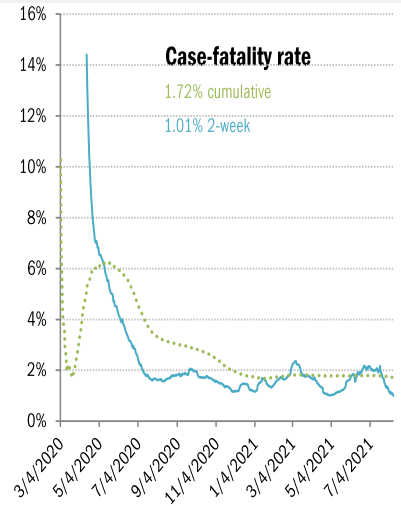
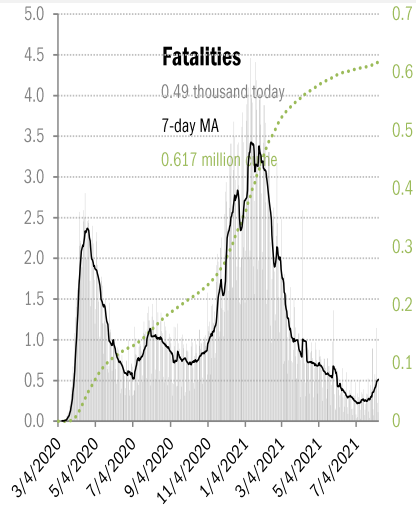
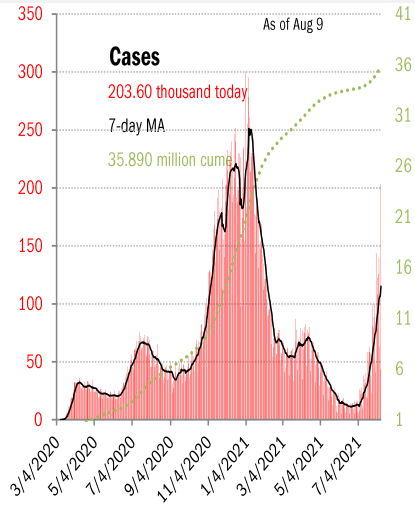
The demographics of US vaccination



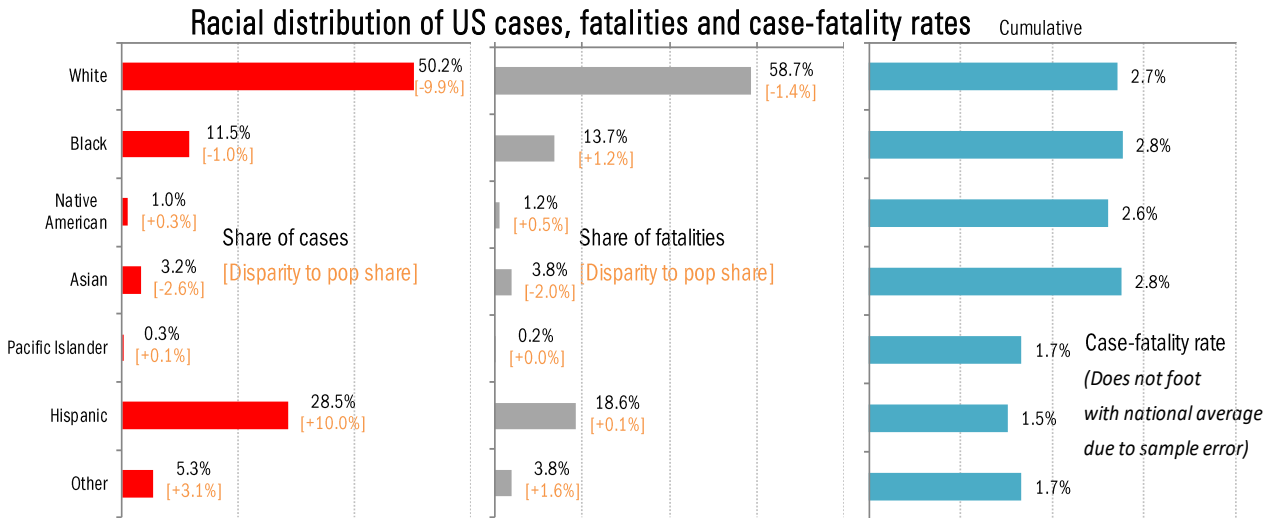
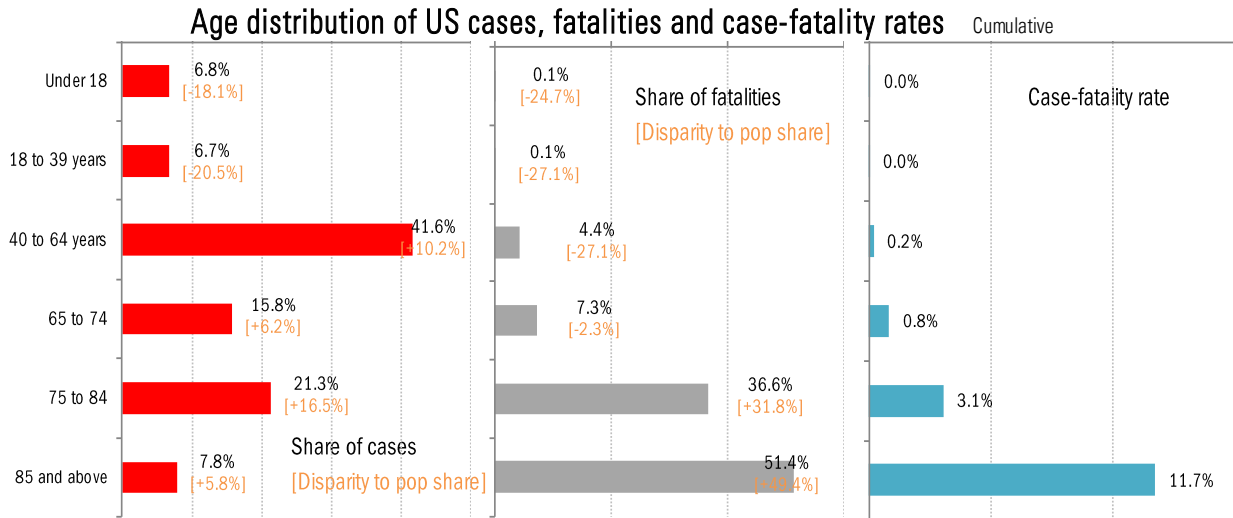
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

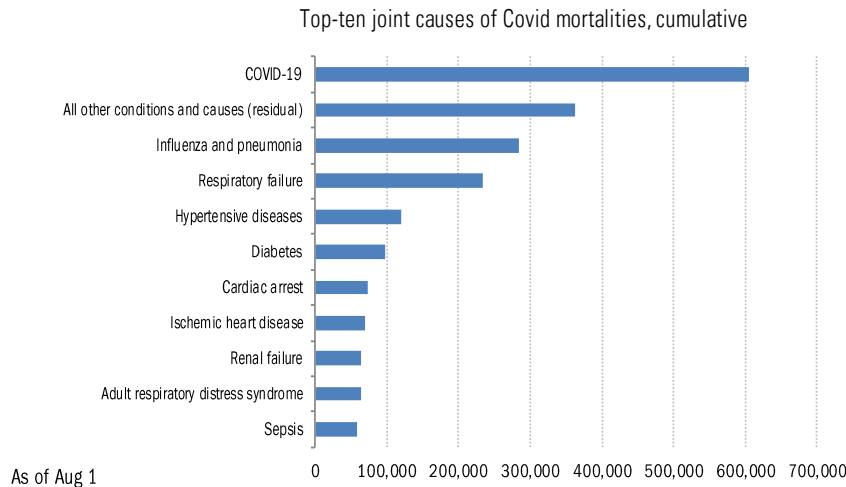
National and state-by-state data do not line up because of different sources



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.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Opening Schools Should Be Priority No. 1](#)

Michael R. Bloomberg
Bloomberg
August 9, 2021

[Unequal Burdens: Racial Differences in ICU Stress during the Third Wave of COVID-19](#)

Ruchi Avtar, Rajashri Chakrabarti, and Maxim Pinkovskiy
Federal Reserve Bank of New York
August 9, 2021

[Companies Thought They Had Plans for Fall. Now They Are Scrapping Them.](#)

Chip Cutter
Wall Street Journal
August 8, 2021

[Summers Says Delta Spread Risks Escalating Inflation Concerns](#)

Simon Kennedy
Bloomberg
August 6, 2021

[A COVID-19 biomarker: Low blood levels of sphingosine predict symptomatic infections](#)

Medical University of S. Carolina
Medical Press
August 5, 2021

[Yes, there is a test for the Delta variant, but it's only available to labs](#)

Molly Jett
13WMAZ
August 4, 2021

[On the run from COVID-19, an Indigenous family treks deep into the Amazon rainforest](#)

Eriberto Gualinga
Aeon
August 5, 2021

[The Case Against Masks for Children](#)

Marty Makary and H. Cody Meissner
Wall Street Journal
August 8, 2021

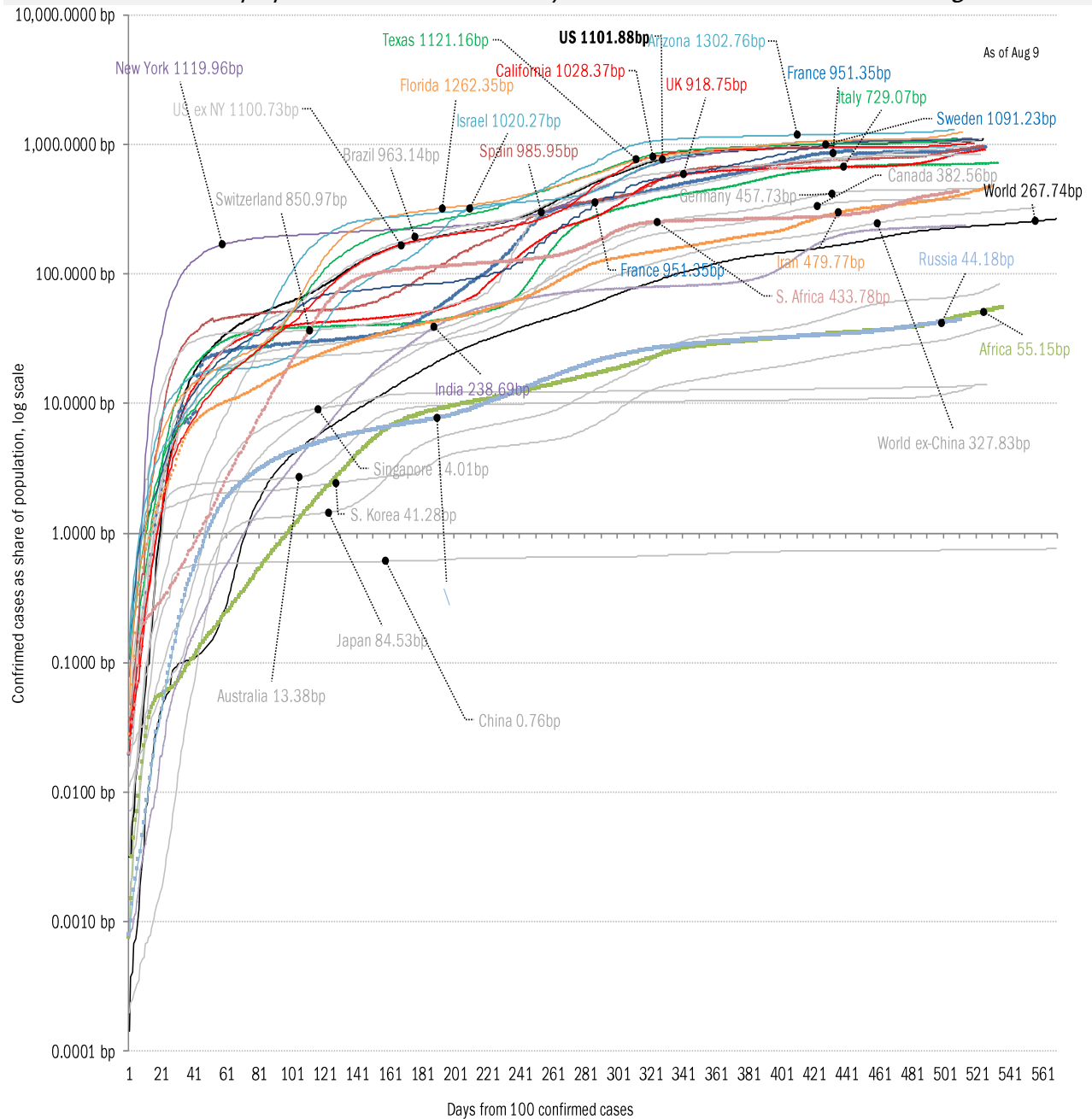
Meme of the day



Vaccination Rates Plummet As More Celebrities Say They Won't Hang Out With The Unvaccinated

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

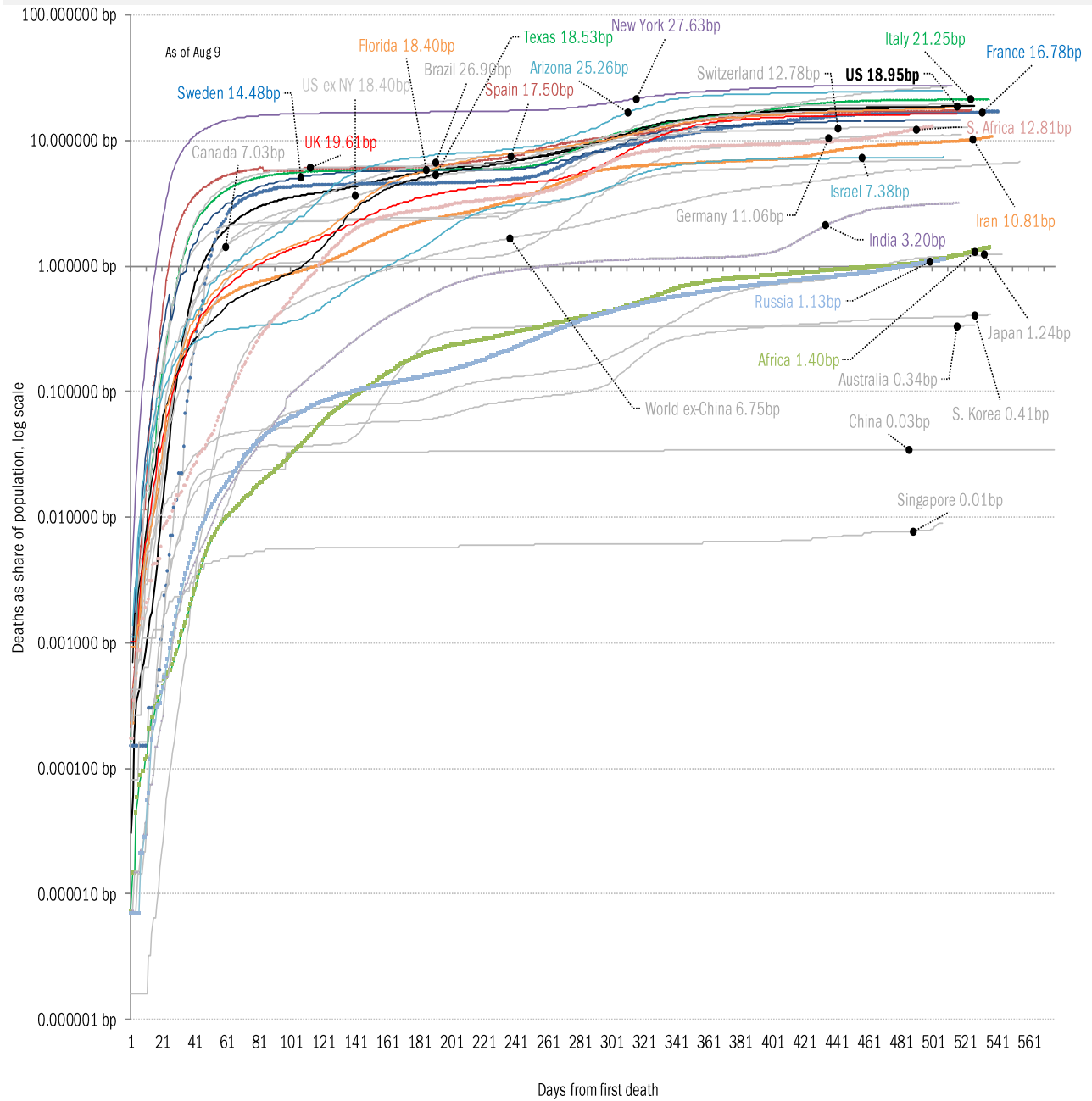
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

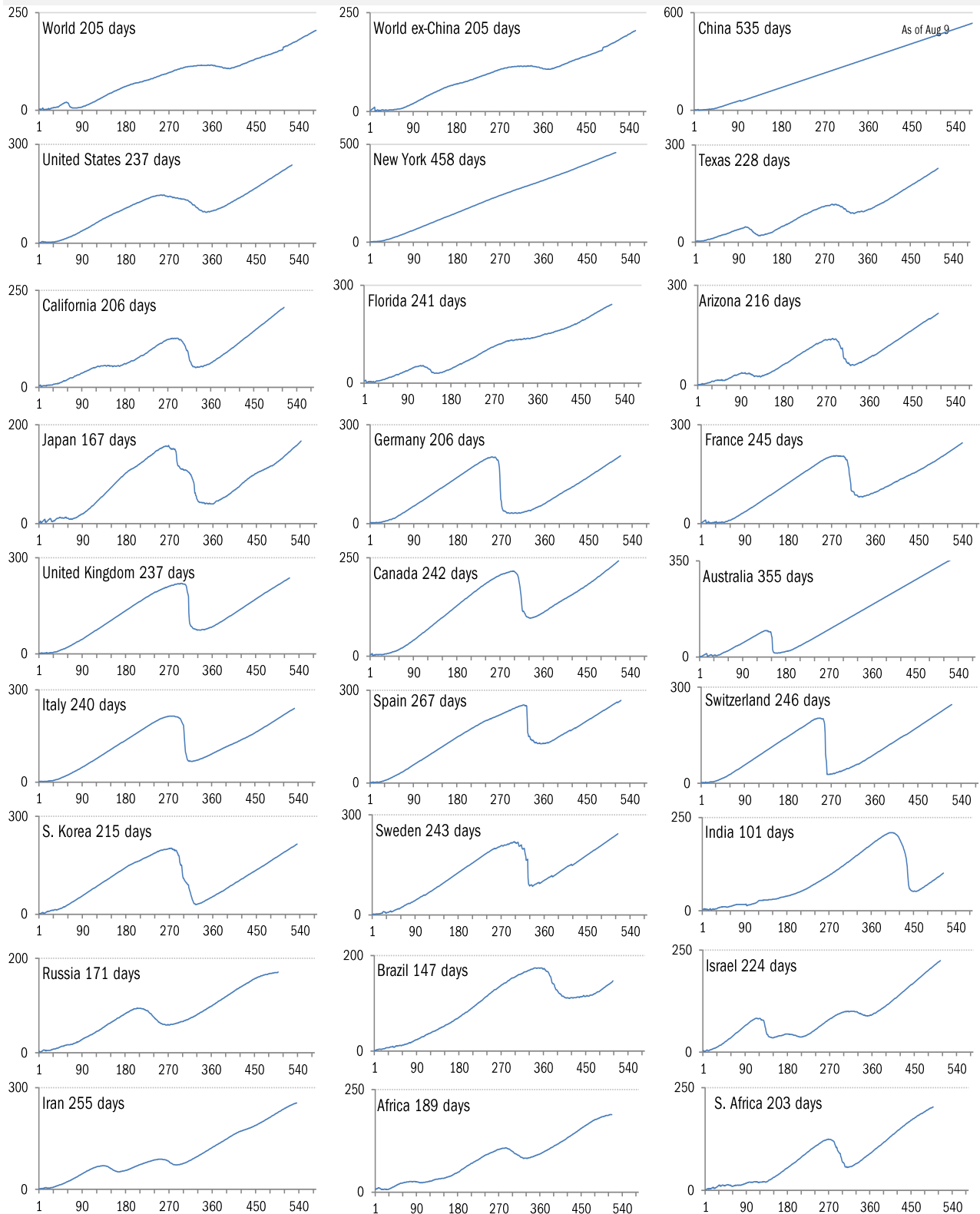


Source: [Johns Hopkins](#), TrendMacro calculations

"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

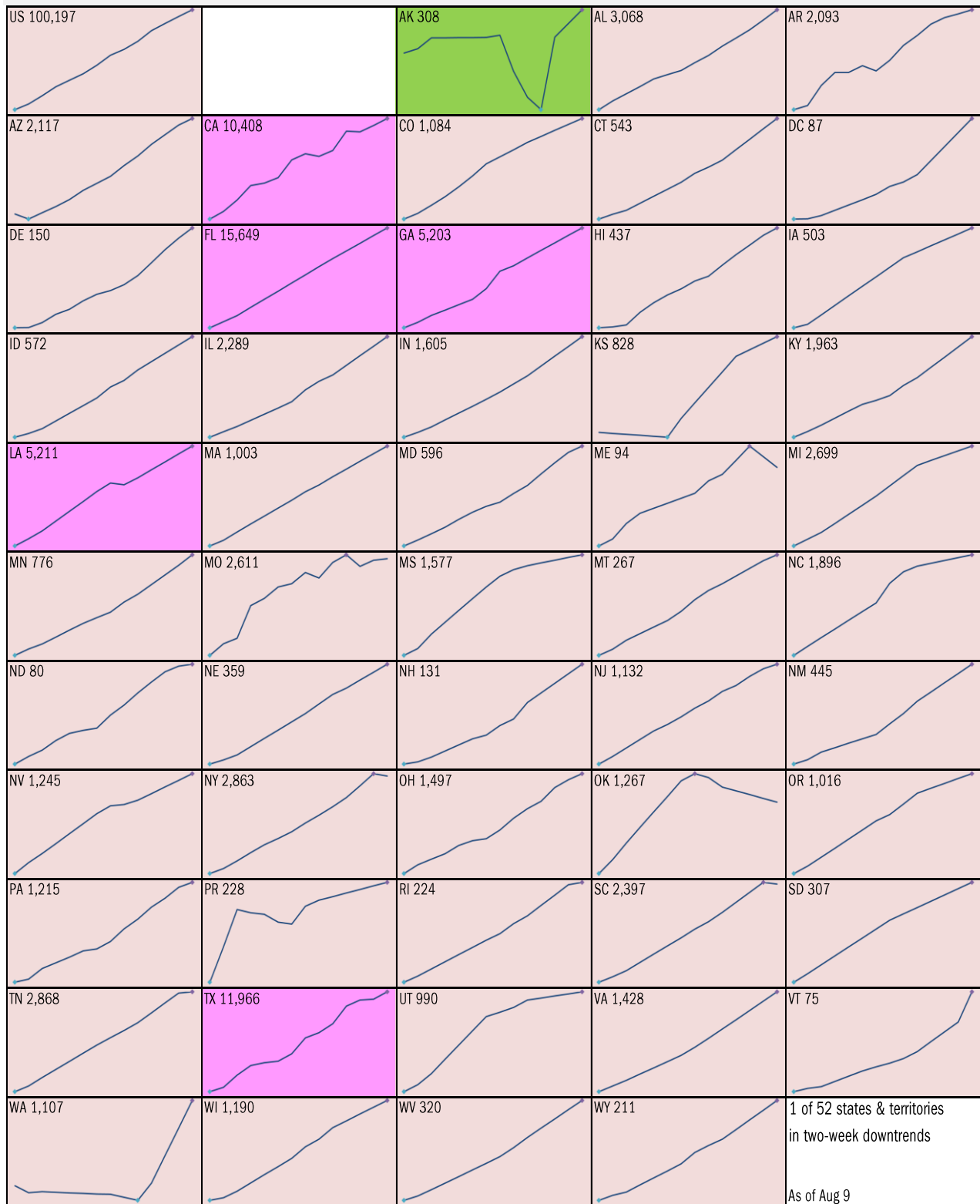


Source: [Johns Hopkins](#), TrendMacro calculations

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

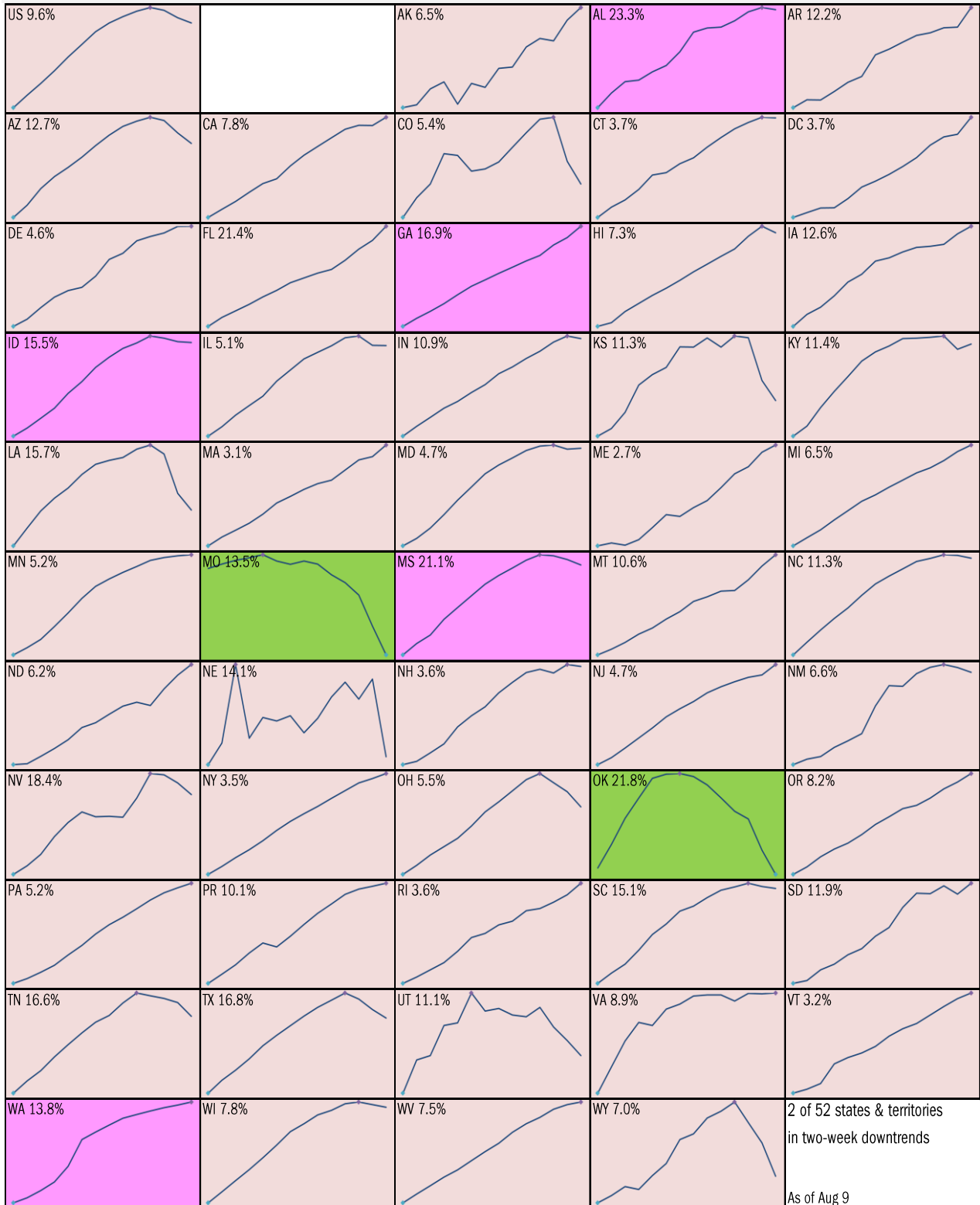


Source: [Johns Hopkins](#), TrendMacro calculations

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

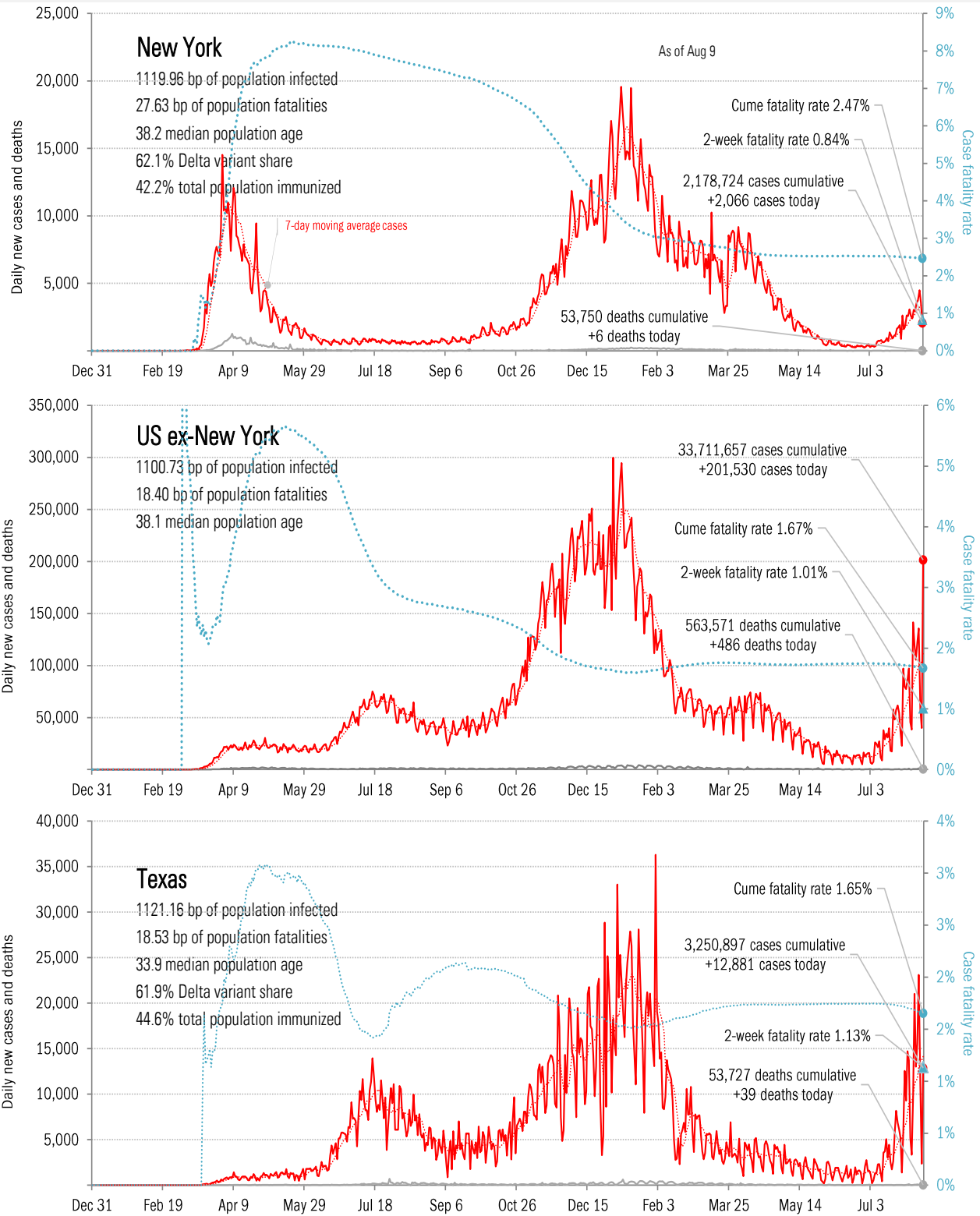
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



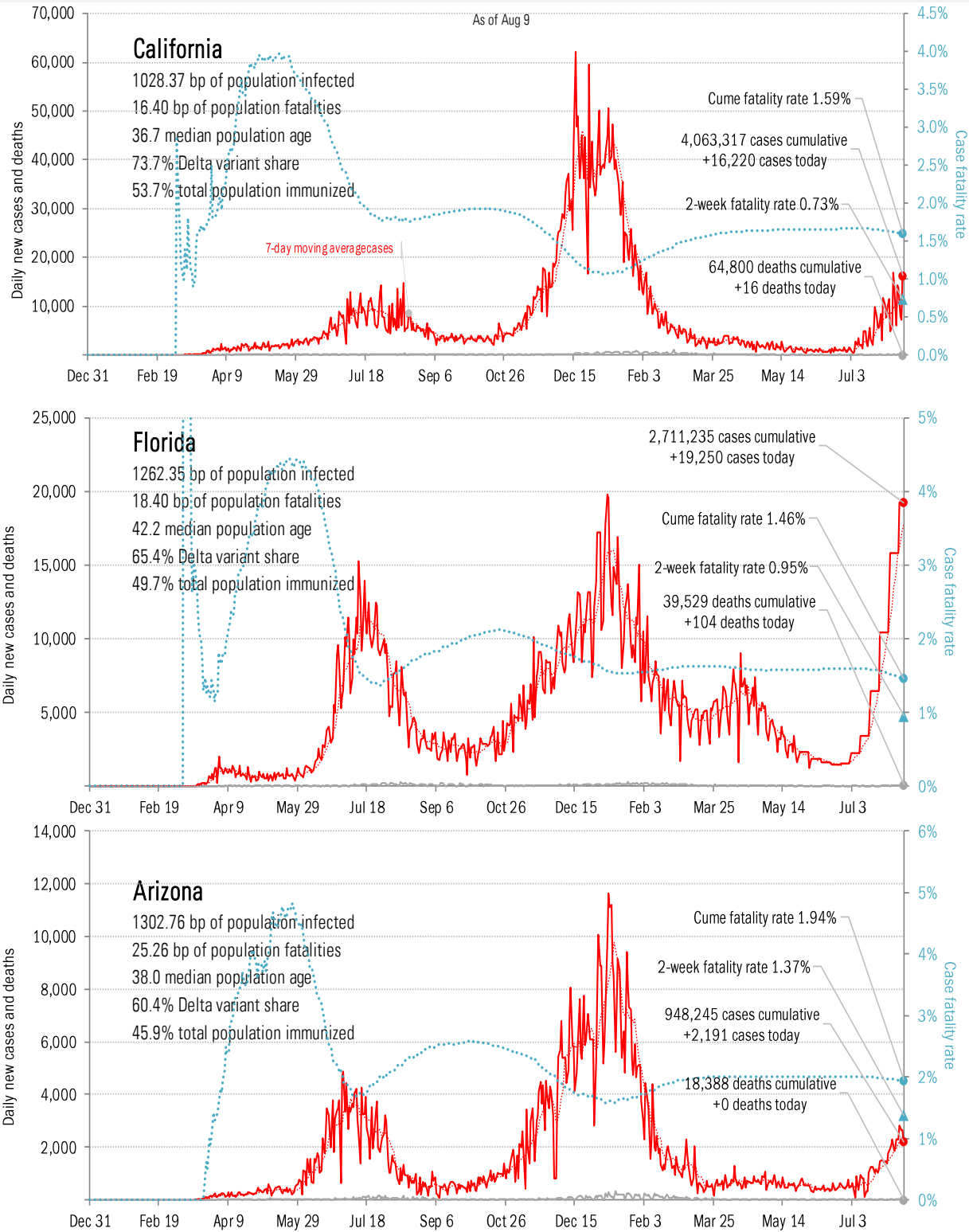
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



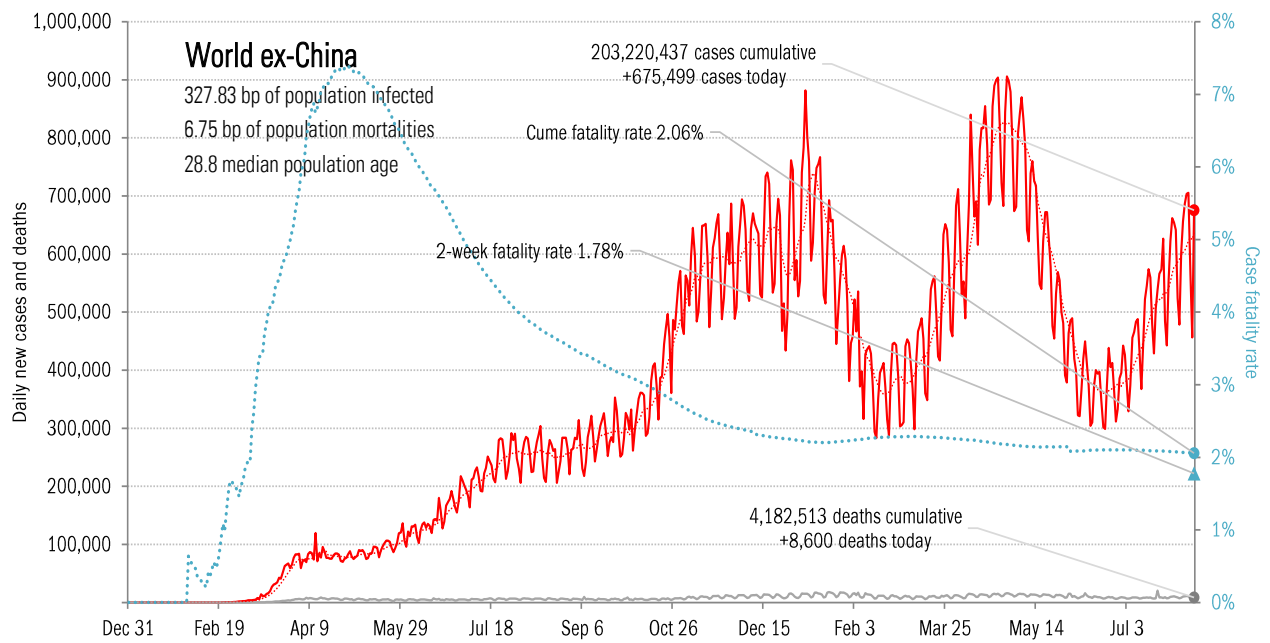
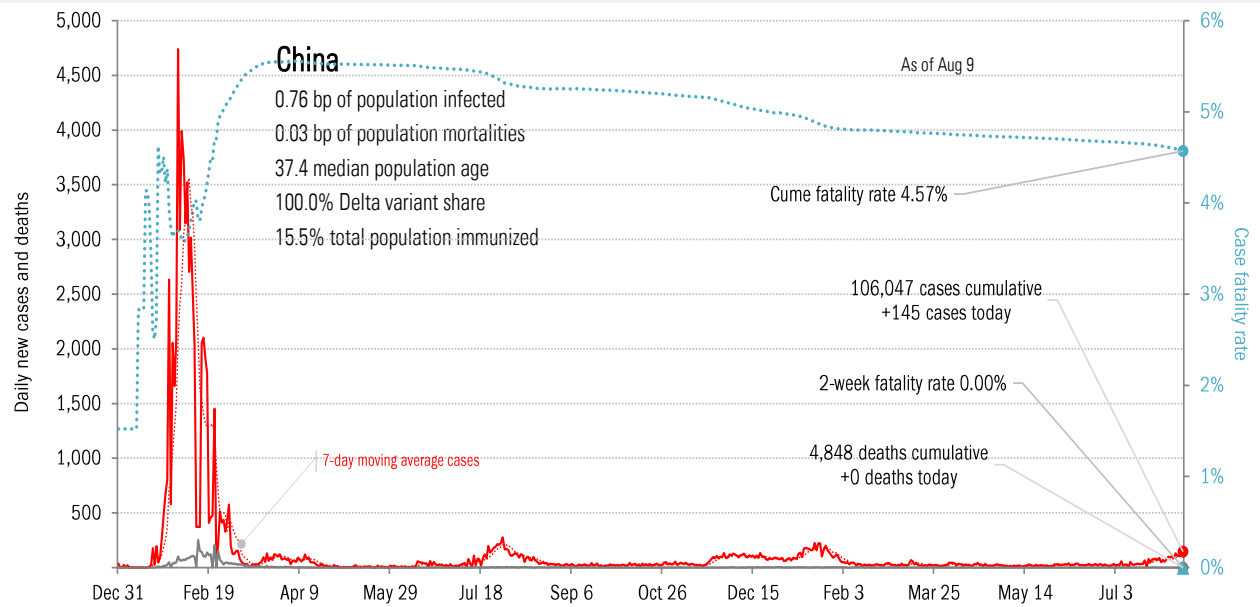
Source: [Johns Hopkins](#), TrendMacro calculations

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



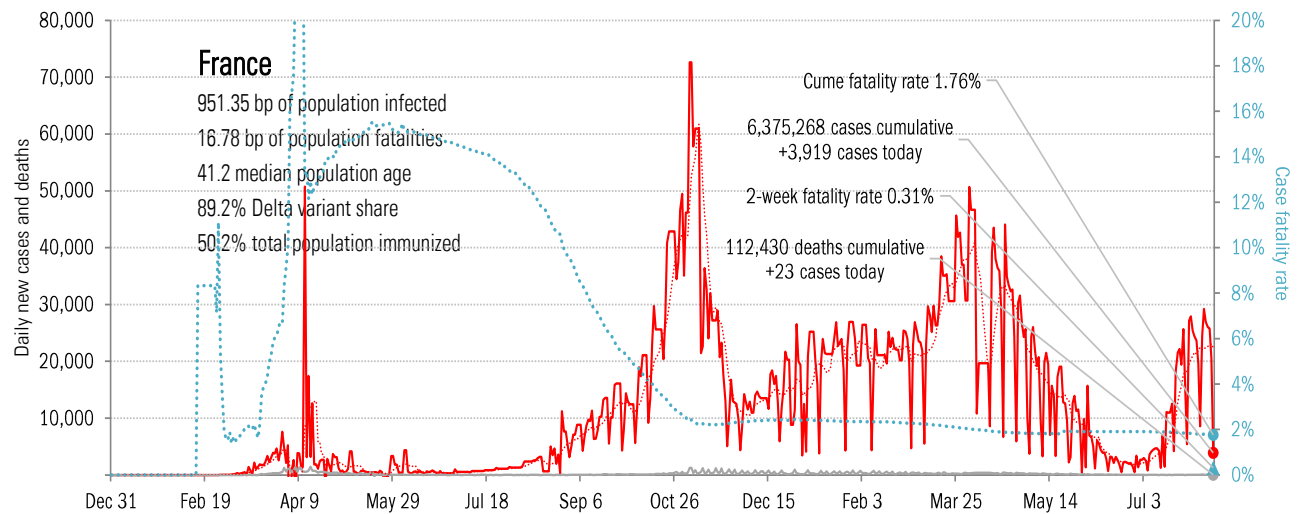
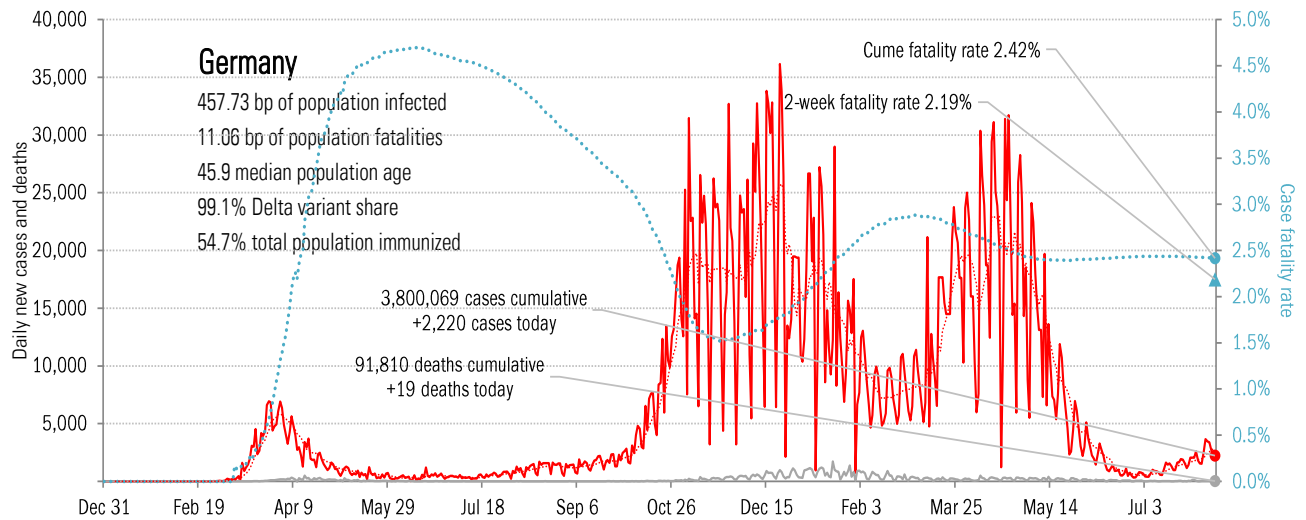
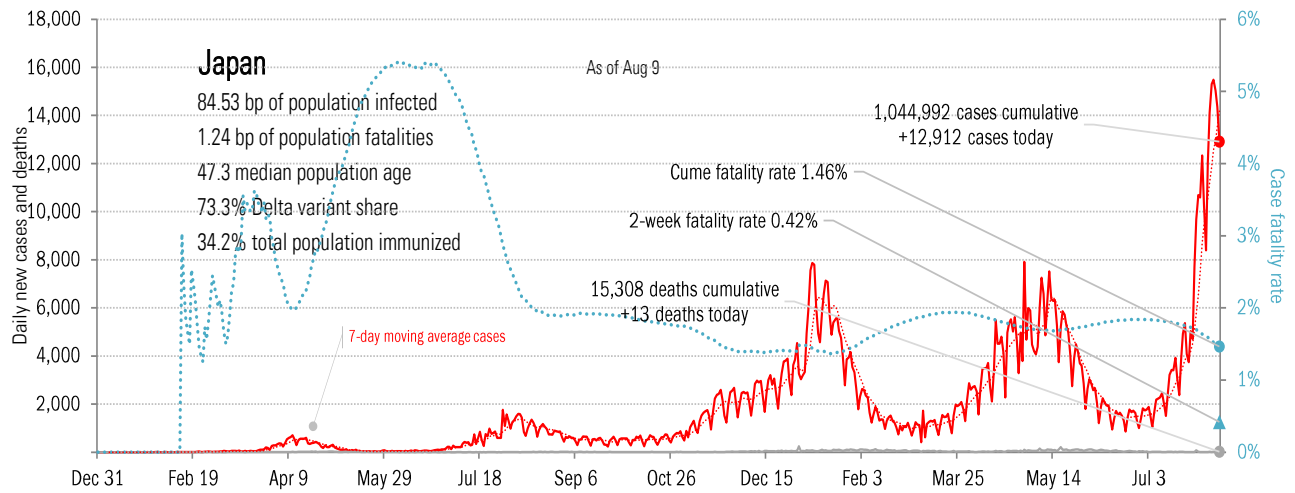
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



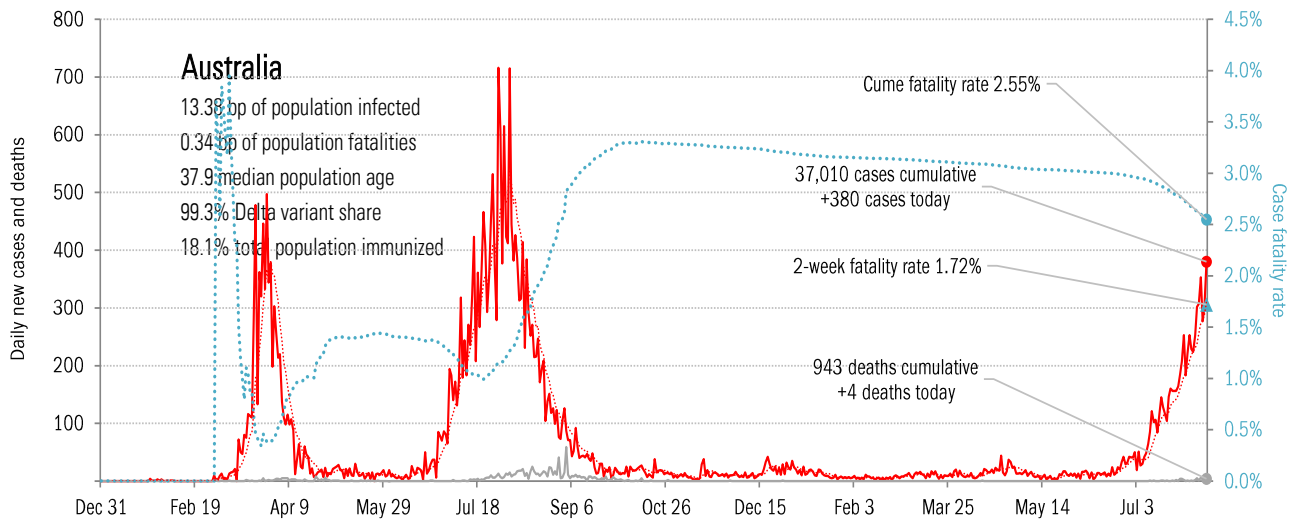
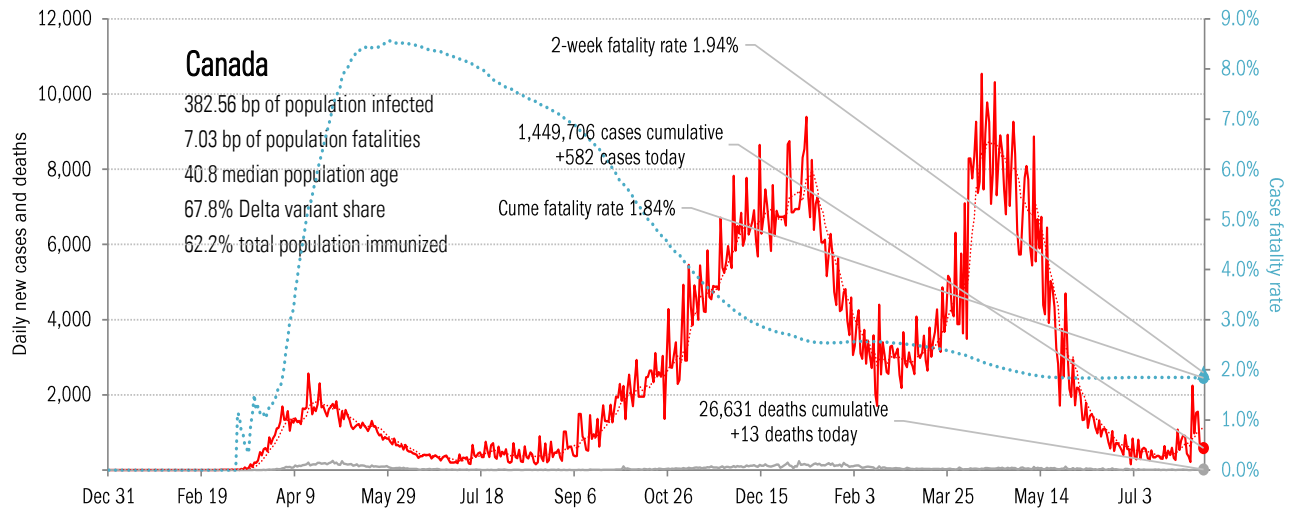
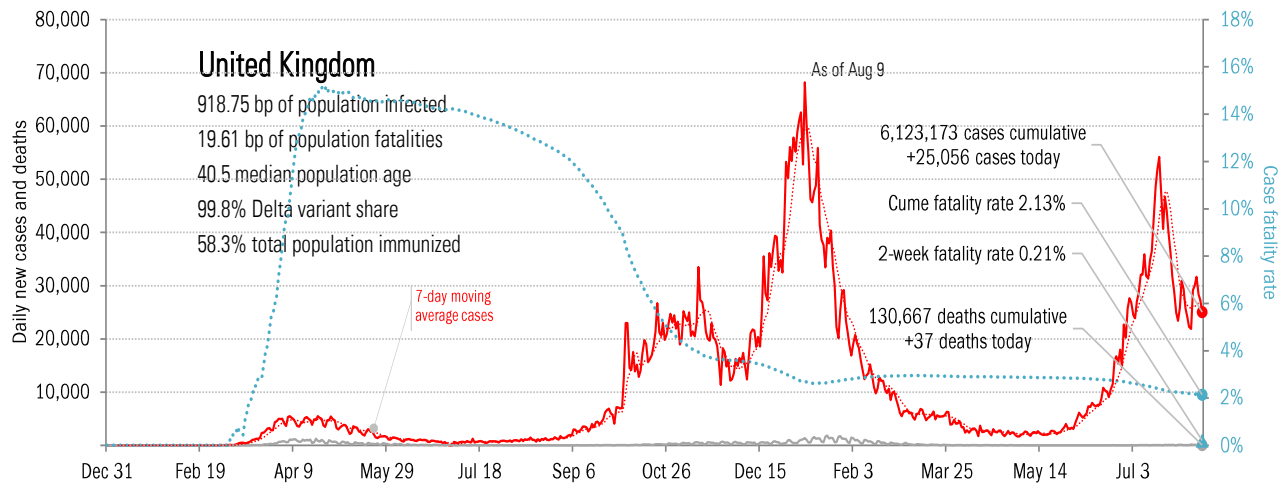
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



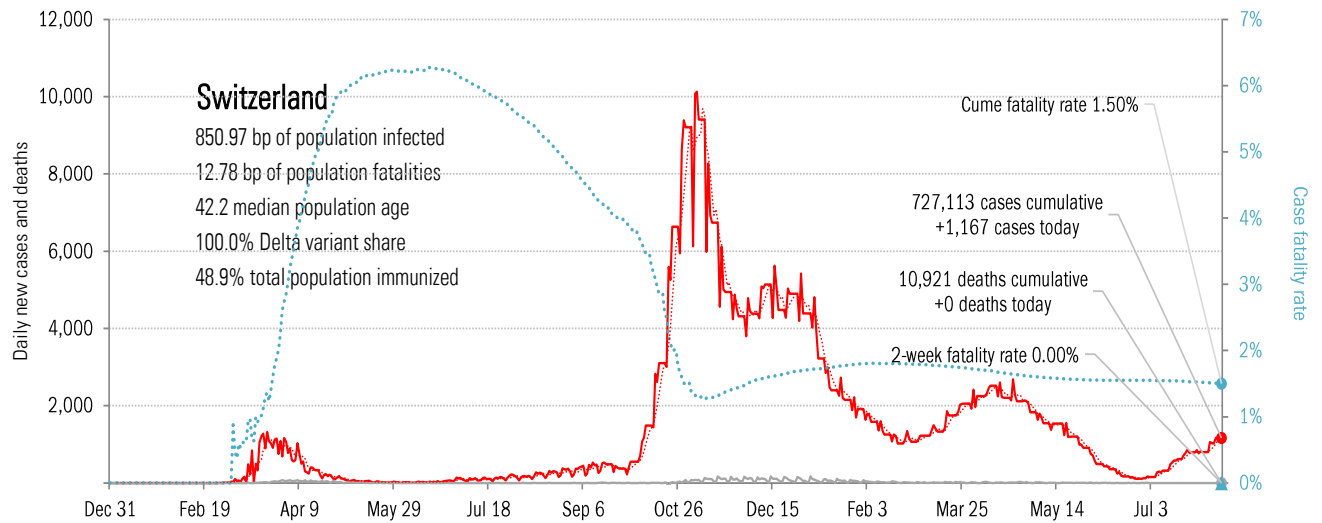
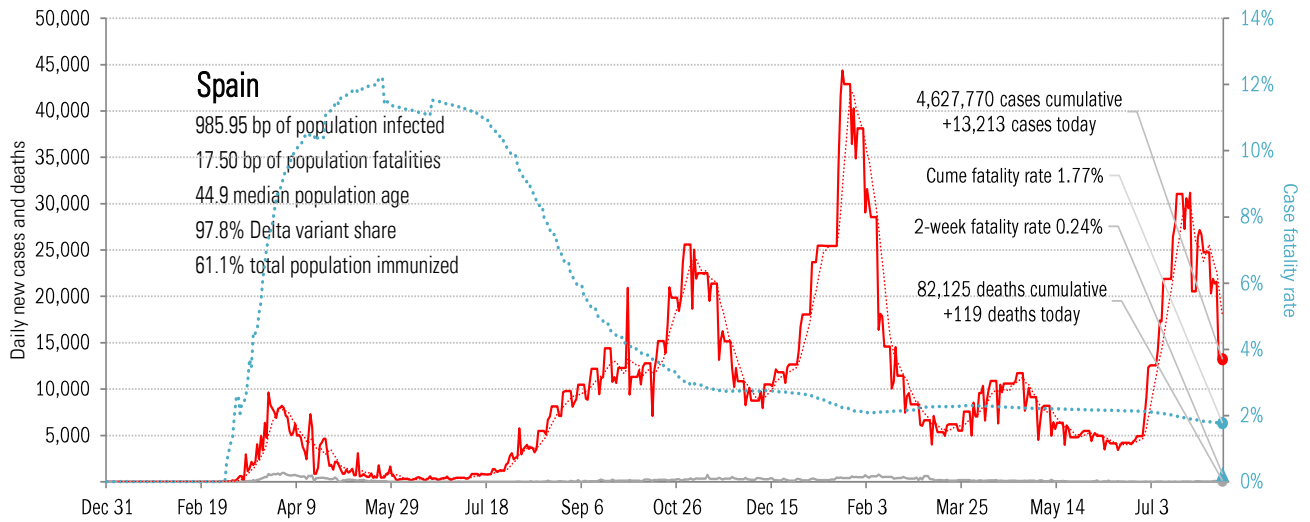
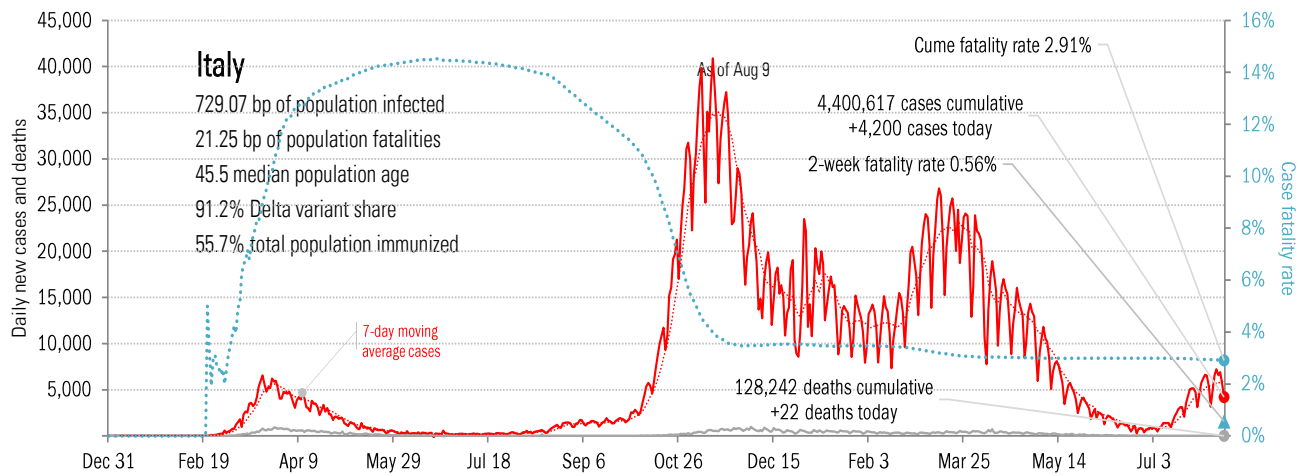
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



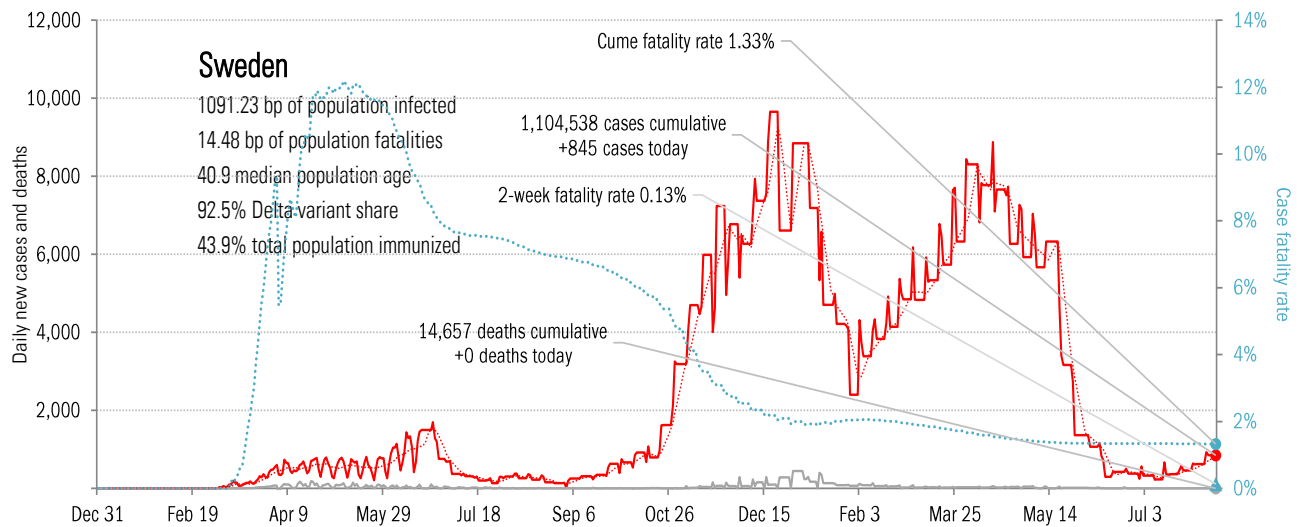
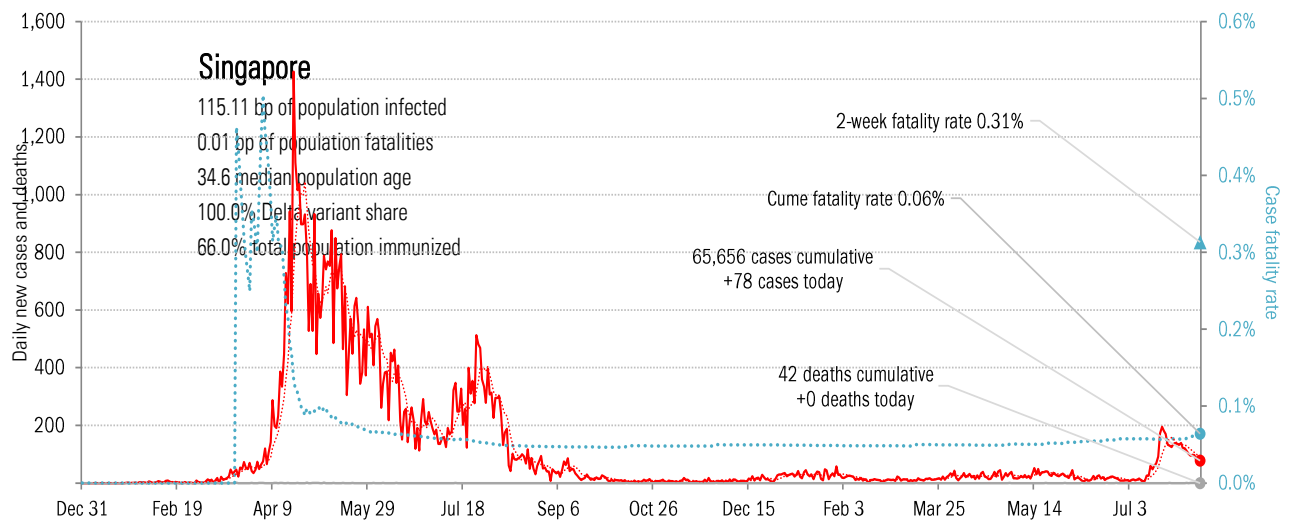
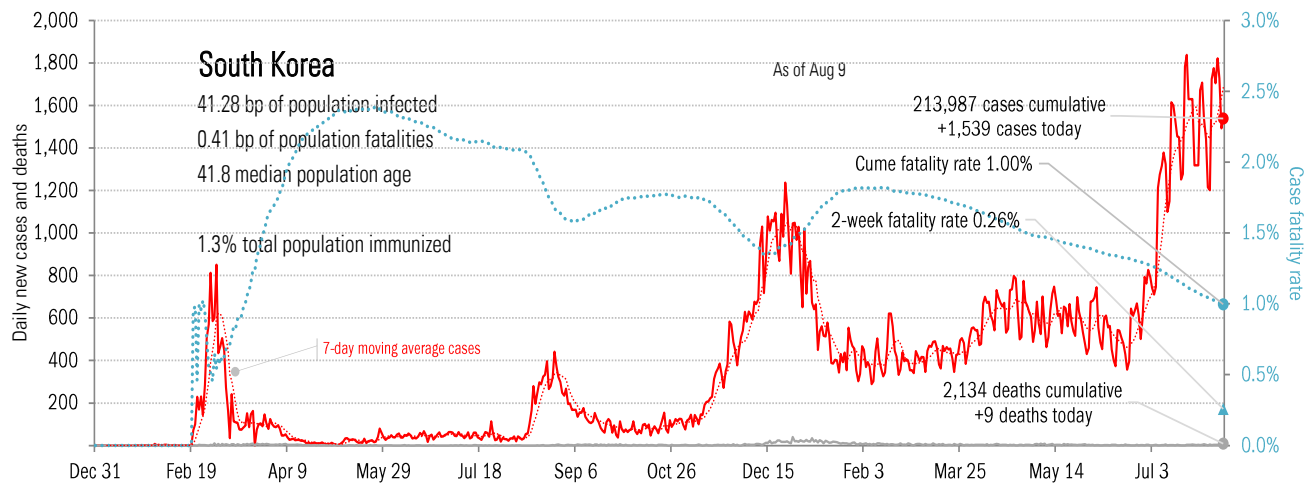
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



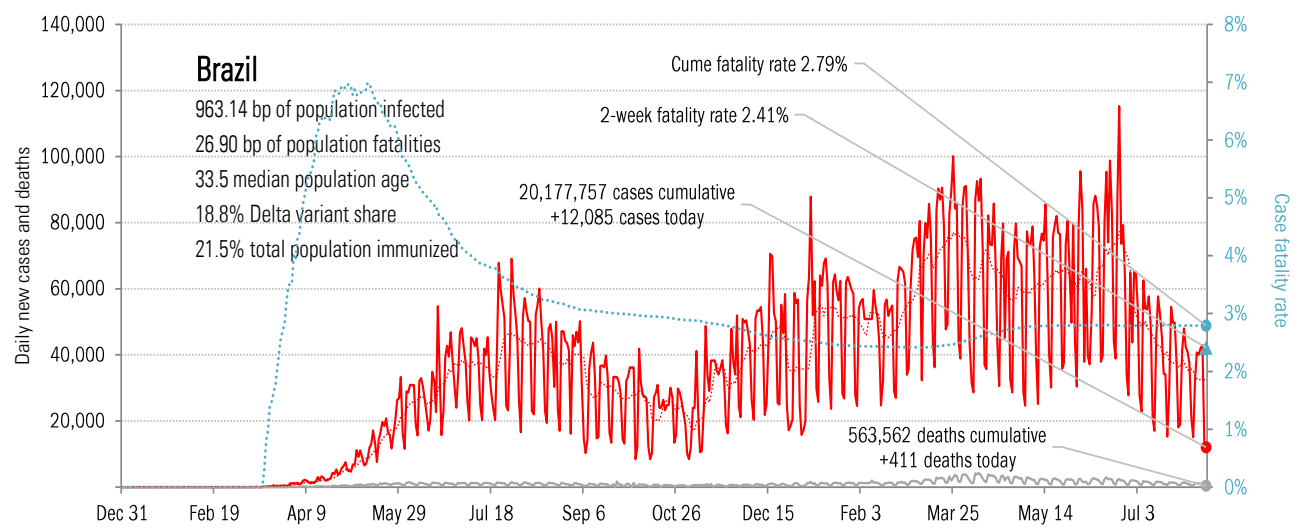
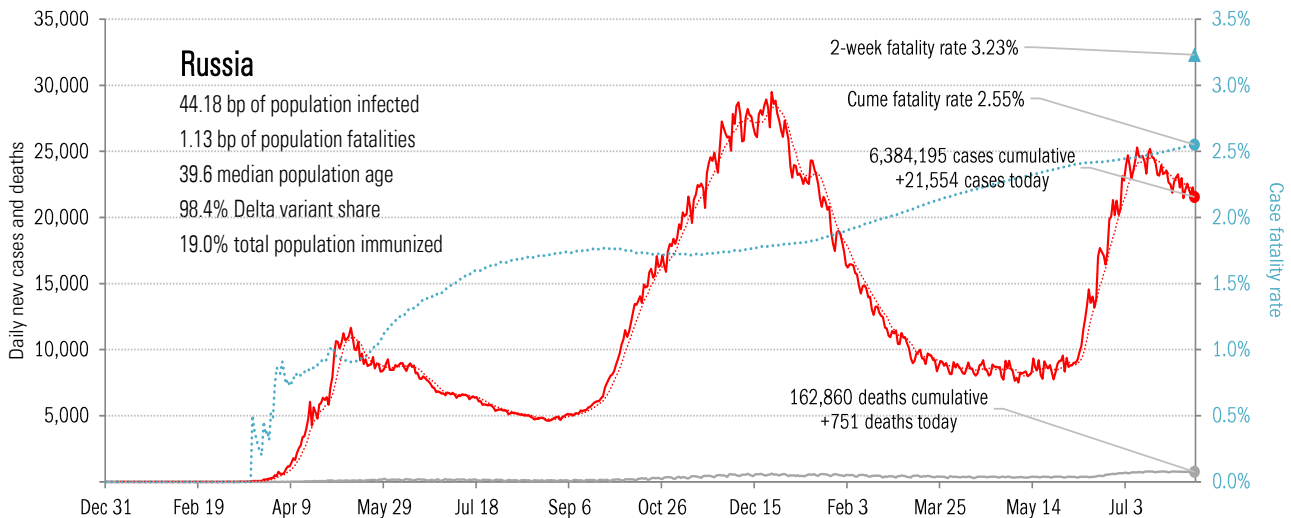
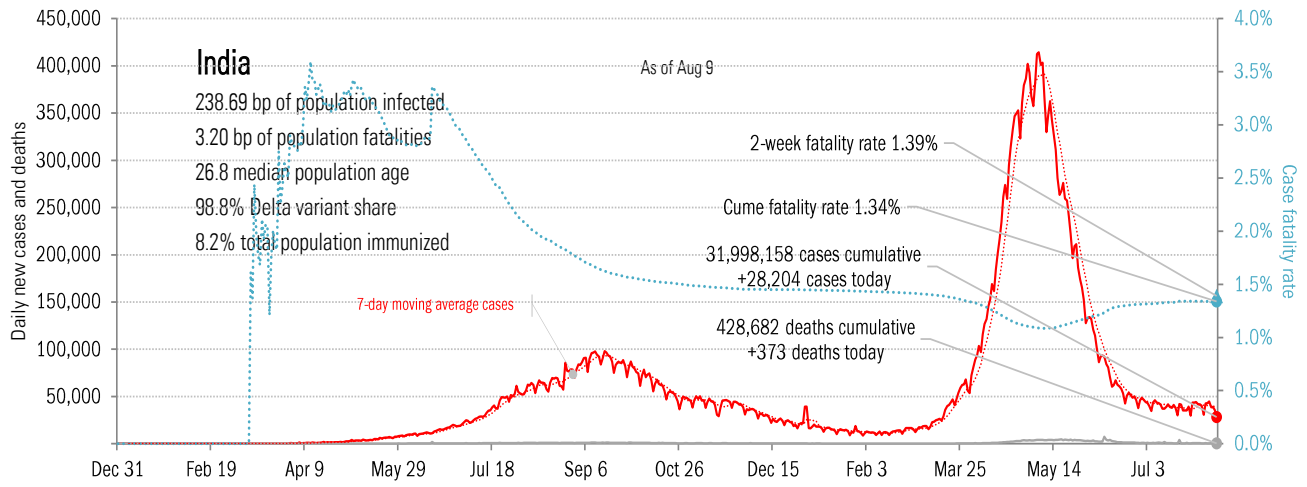
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



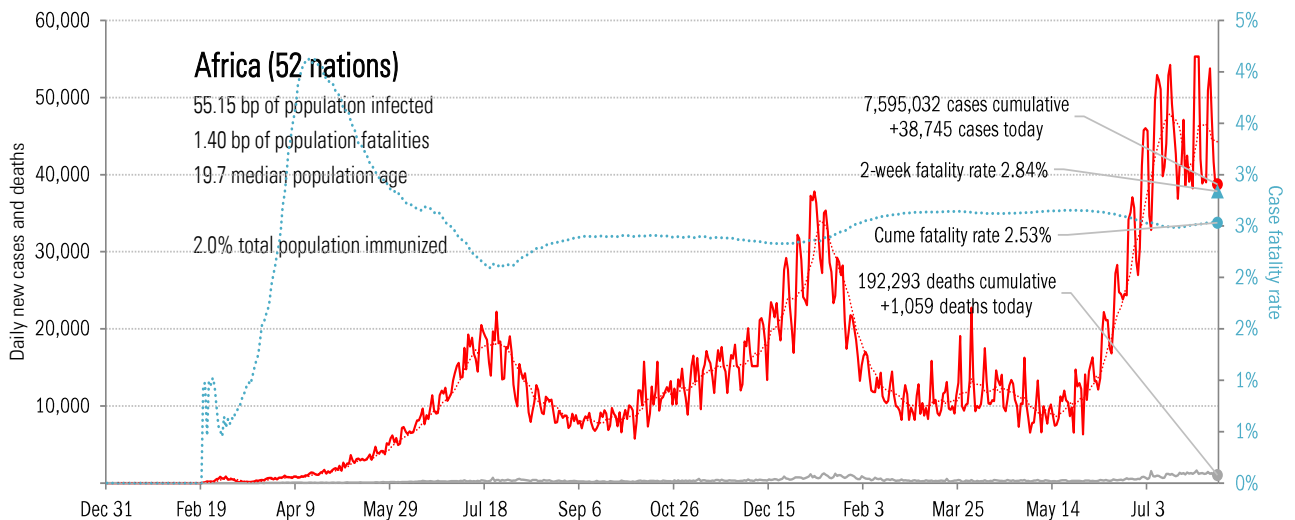
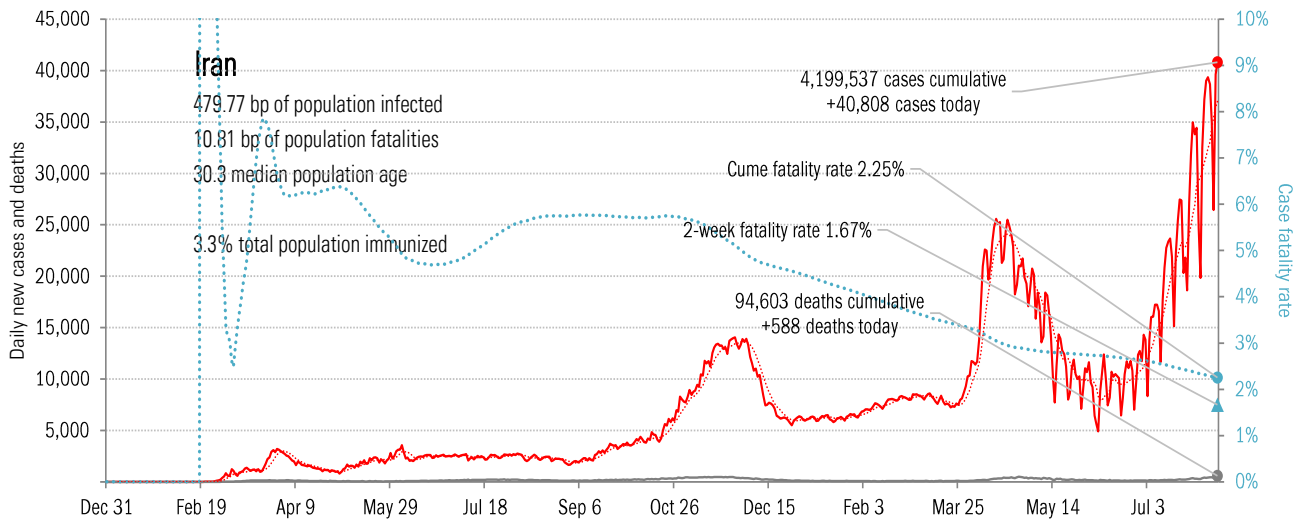
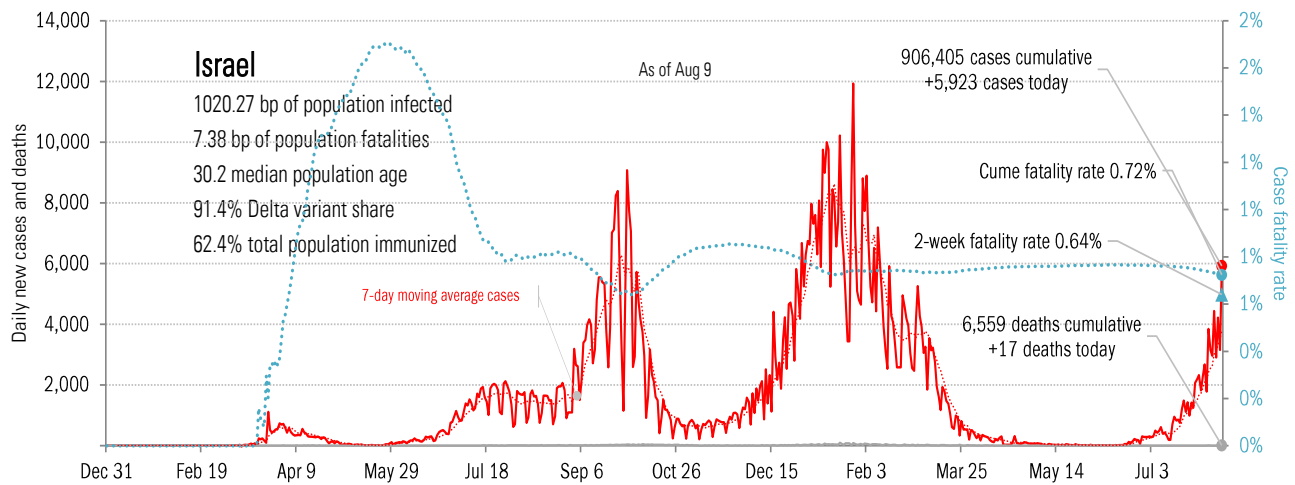
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



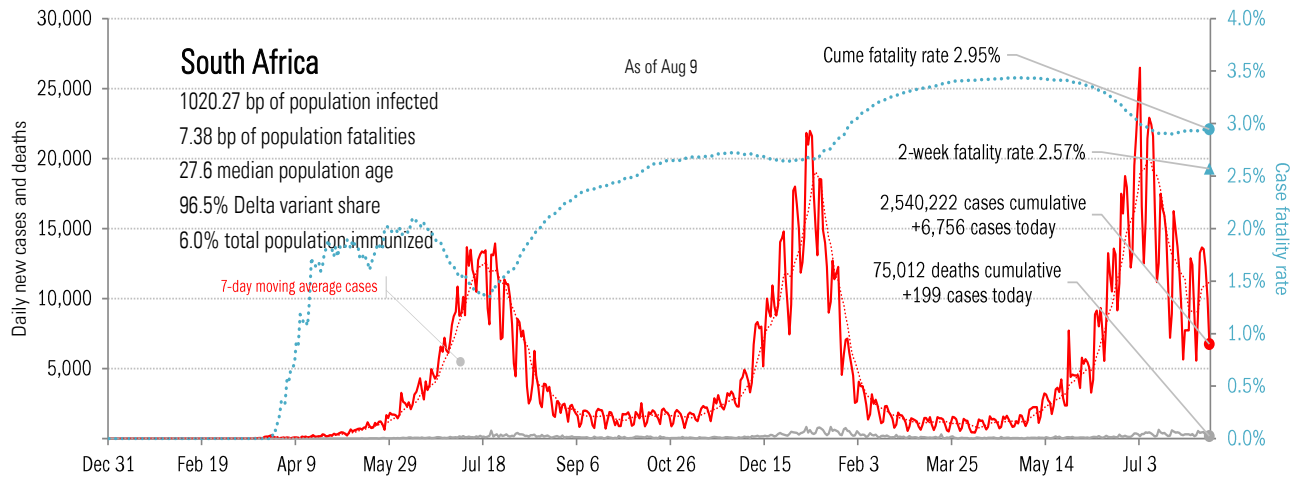
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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