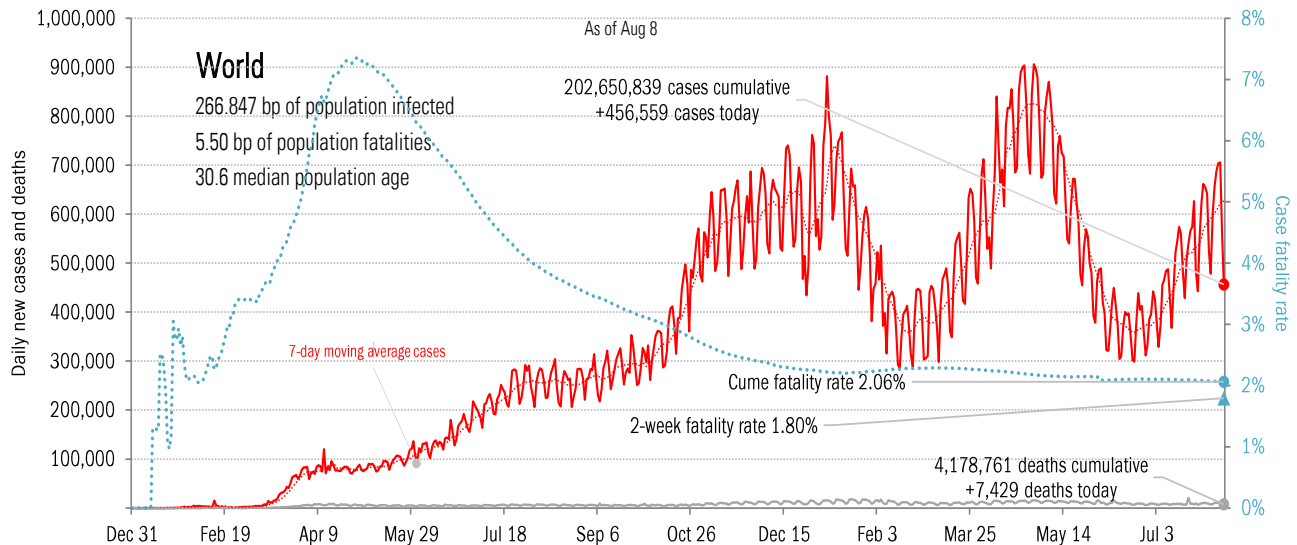
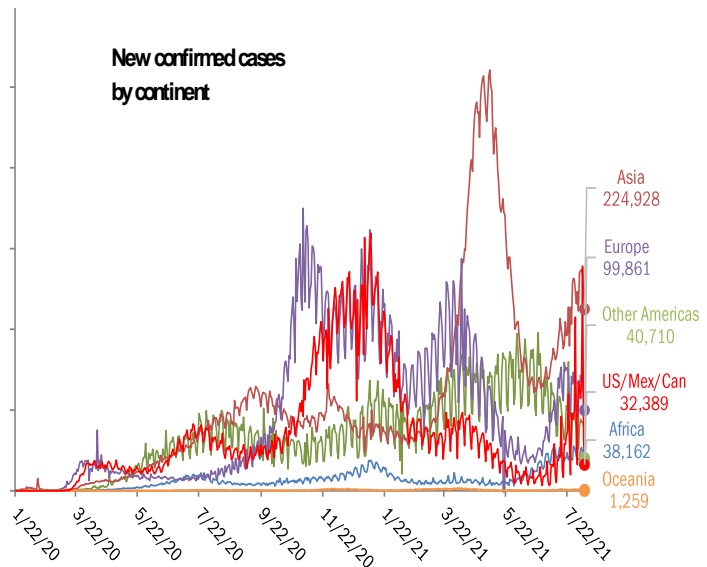


Data Insights: Covid-2019 Monitor

Monday, August 9, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+43,484	Indonesia	+1,498
Iran	+39,619	Russia	+766
India	+35,499	Iran	+542
United Kingdom	+27,244	India	+447
Indonesia	+26,415	Brazil	+399
Russia	+22,271	Malaysia	+360
France	+20,450	Philippines	+287
Thailand	+19,983	Burma	+250
Malaysia	+18,688	Bangladesh	+241
Japan	+14,352	South Africa	+190
+268,005		+4,980	
World	+456,559	World	+7,429
Top ten	59%	Top ten	67%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

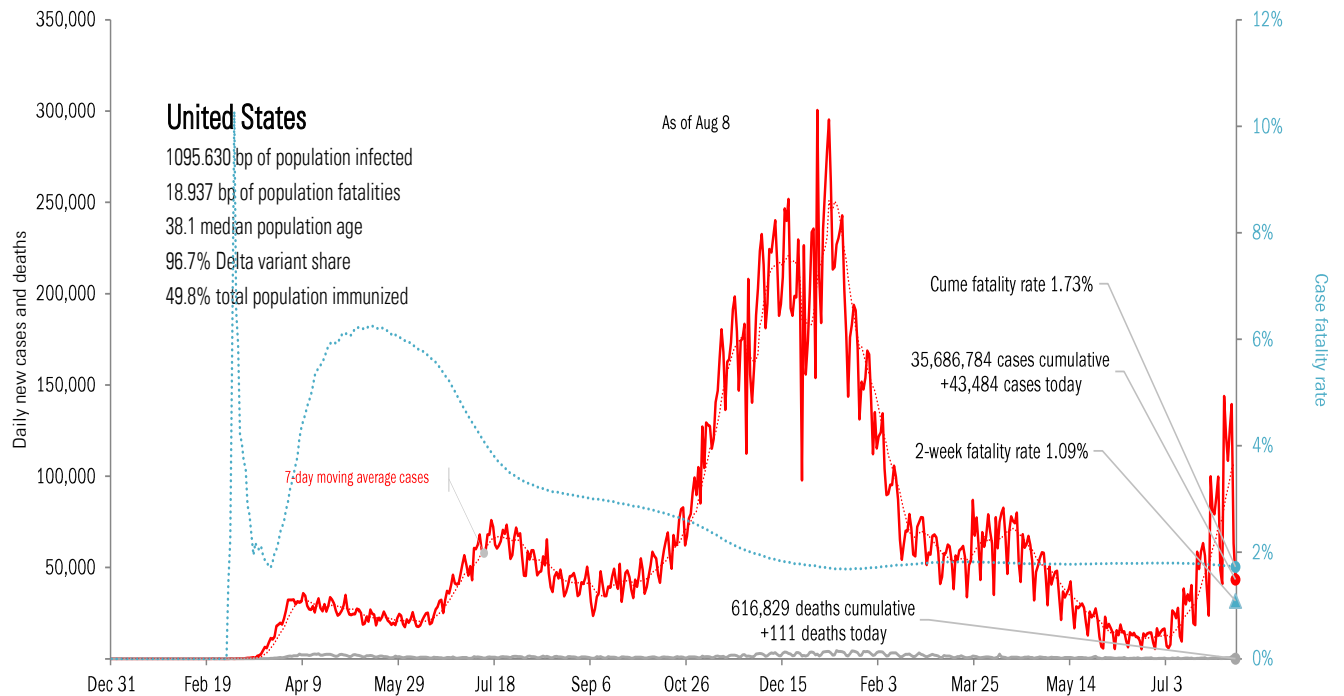
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+19,250		FL	+114		FL	+441		CA	4,047,097		CA	64,784		TX	280,323		RI	90%	LA	44%
CA	+7,260		CA	+30		TX	+339		TX	3,238,016		NY	53,744		CA	256,280		MA	85%	MS	44%
NY	+3,578		TX	+27		CA	+190		FL	2,691,984		TX	53,688		FL	228,145		MD	84%	FL	43%
AZ	+2,639		NY	+15		GA	+100		NY	2,176,658		FL	39,425		NY	140,135		GA	84%	AR	40%
TX	+2,372		AZ	+12		AL	+77		IL	1,436,353		PA	27,900		GA	118,586		FL	84%	MO	36%
MO	+1,834		AR	+11		LA	+75		PA	1,239,996		NJ	26,650		PA	93,867		MO	83%	AL	35%
CH	+1,413		MD	+8		KY	+72		GA	1,211,439		IL	25,936		CH	91,093		PA	81%	TX	35%
AR	+1,369		NJ	+5		NY	+65		CH	1,142,330		GA	21,802		IL	86,471		SC	80%	OK	32%
NJ	+1,169		FR	+2		TN	+61		NC	1,071,137		MI	21,221		KY	83,213		MN	80%	NV	30%
MD	+853		MO	+1		NC	+57		NJ	1,049,222		CH	20,556		MI	74,863		NV	79%	GA	30%
+41,737			+225			+1,477			19,304,232			355,706			1,452,976						
All states	+43,484			+225			+2160		All states	35,686,784			616,829			2,580,757		All states	70%		67%
Top ten	96%			100%			68%		Top ten	54%			58%			56%		Median	73%		14%

Some states not reporting

Five most improved US states

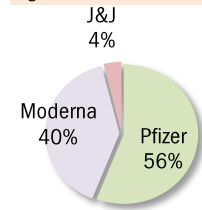
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-8,700	TX	-27	MO	-133	AR	+20 bp
AL	-3,891	AL	-24	GA	-71	DC	+20 bp
PA	-1,444	AZ	-22	LA	-67	LA	+20 bp
AR	-1,264	NY	-20	SC	-63	VA	+20 bp
NY	-913	AR	-10	AR	-47	AZ	+10 bp



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	361,410,729		+0.788 million		US	49.8%	58.3%	
	One dose	% Pop	Immune	% pop	New immune today	UK	58.1%	69.3%
Total population	199,693,307	60%	170,800,505	51%	+0.281 million	France	49.4%	65.1%
Age 12 to 17	11,457,853	45%	8,667,771	34%	+0.057 million	Spain	60.4%	70.9%
Age 18 to 64	136,889,111	67%	116,468,589	57%	+0.195 million	Germany	54.4%	62.0%
Age 65 and over	51,121,259	93%	45,533,720	83%	+0.029 million	Italy	55.3%	65.6%
						Australia	17.9%	35.5%
						Israel	62.4%	67.1%
						Canada	61.8%	72.1%
						Japan	32.9%	45.9%
						Africa	2.0%	3.8%
						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 **158 days** by Jan 12, 2022
 62.7% of population >18 immunized
 12.2% previously tested positive
74.9% vs 60% adult herd immunity*

As of Aug 8

Global data differs from sources, timing

AK
52.2%
45.9%

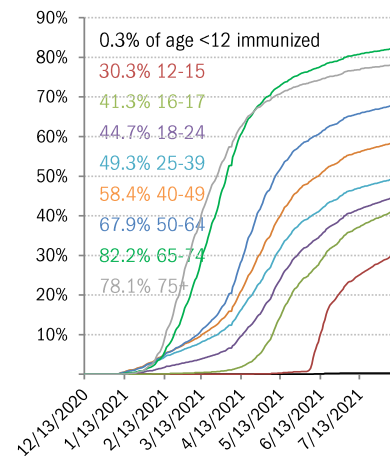
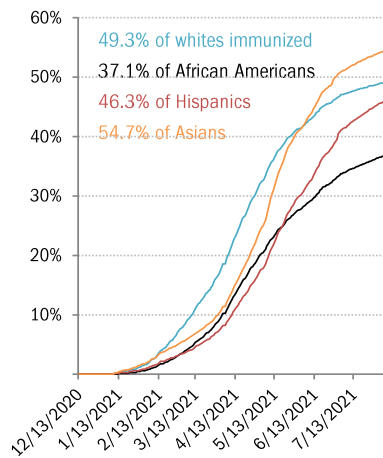
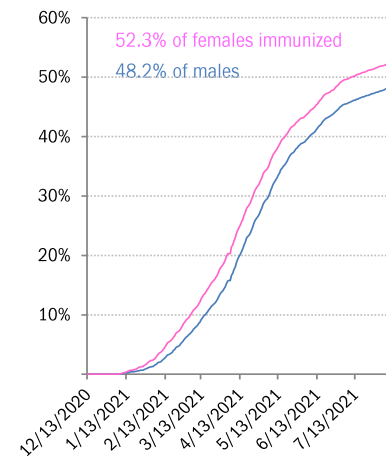
WI
56.5%
52.2%

ME
69.1%
64.2%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
64.9%	41.8%	50.2%	46.2%	59.8%	63.4%	53.7%	64.3%	76.0%	65.4%	
58.3%	37.7%	44.7%	40.4%	54.2%	49.1%	49.2%	57.8%	67.9%	58.6%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
61.5%	55.0%	42.4%	53.7%	54.0%	48.0%	50.6%	66.6%	67.1%	73.4%	
56.4%	45.1%	37.0%	47.4%	50.0%	44.7%	46.9%	53.1%	59.0%	64.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
66.0%	53.1%	61.2%	54.8%	50.0%	53.4%	46.3%	62.8%	65.7%	70.9%	68.4%
53.6%	45.4%	55.0%	49.9%	42.1%	46.2%	39.2%	55.2%	59.5%	63.9%	62.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	54.1%	66.6%	54.5%	49.1%	46.0%	52.4%	48.0%	65.0%	61.6%	
	45.8%	57.8%	45.8%	37.6%	39.6%	44.3%	41.1%	55.7%	53.3%	
			OK	LA	MS	AL	GA			
			49.3%	44.8%	41.9%	45.0%	47.2%			
			40.8%	37.6%	35.2%	34.8%	39.1%			
			TX					FL		PR
			53.2%					59.6%		69.6%
			44.5%					49.6%		60.6%

HI
72.1%
53.9%

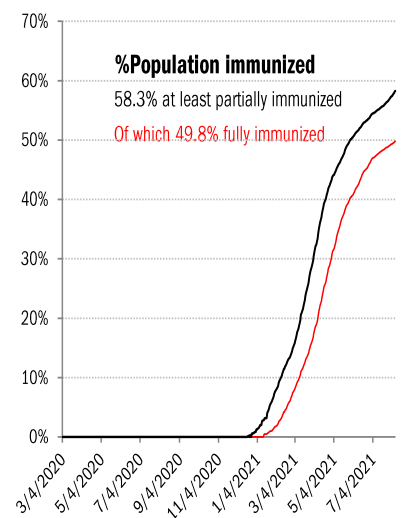
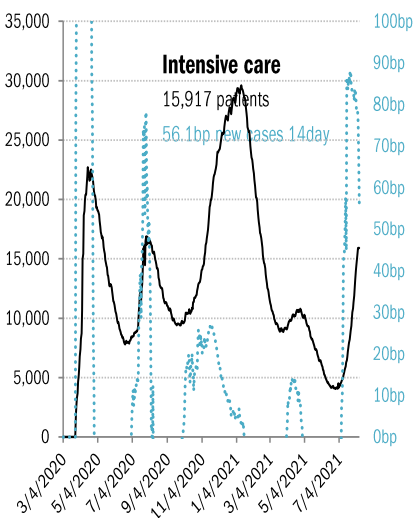
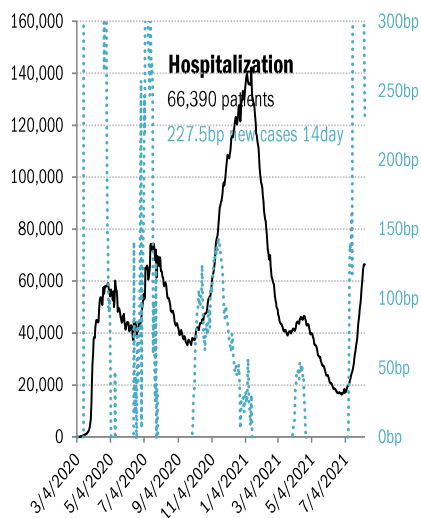
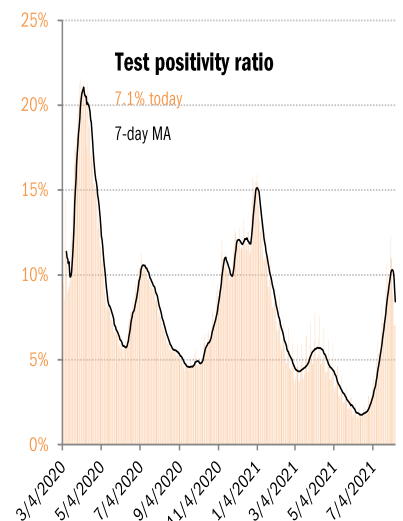
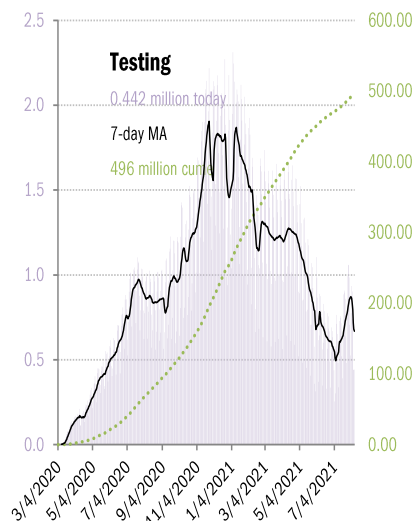
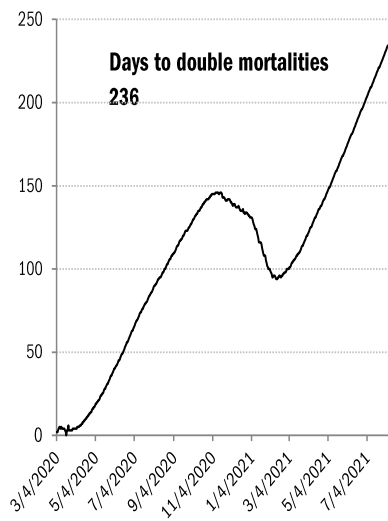
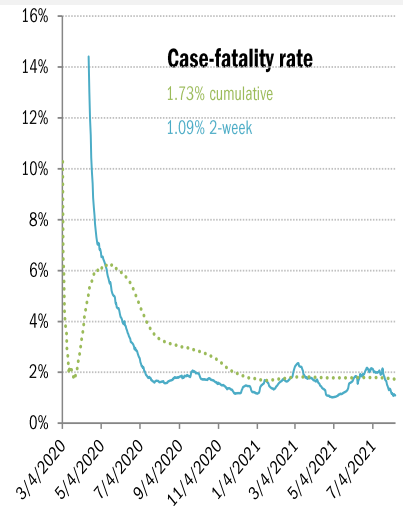
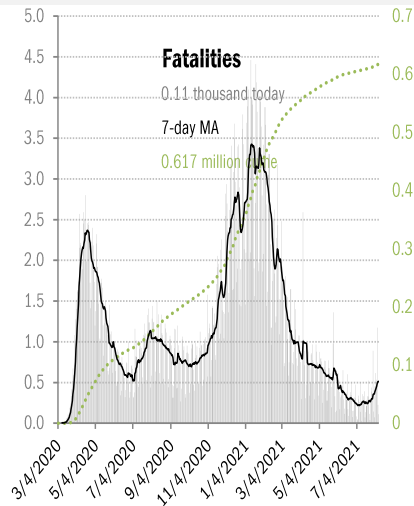
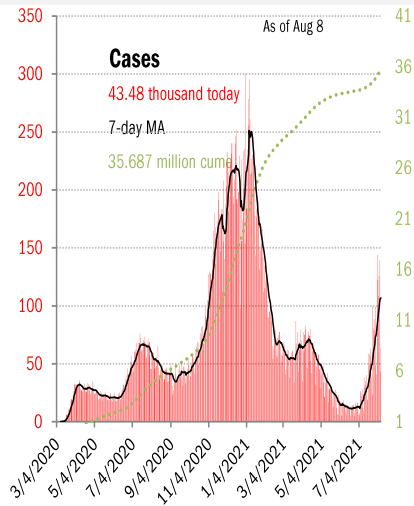
The demographics of US vaccination



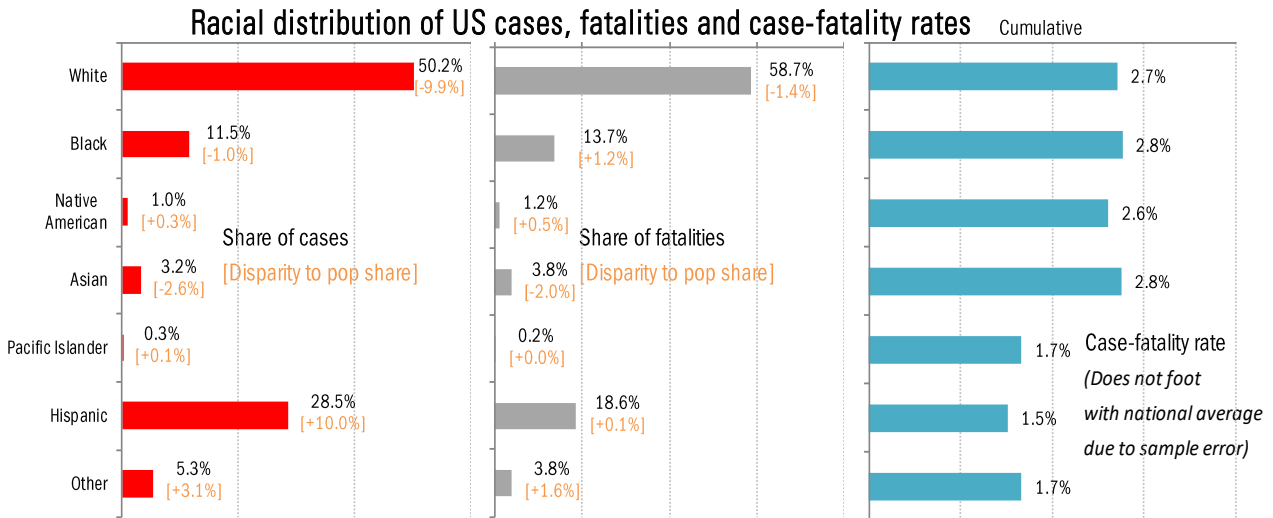
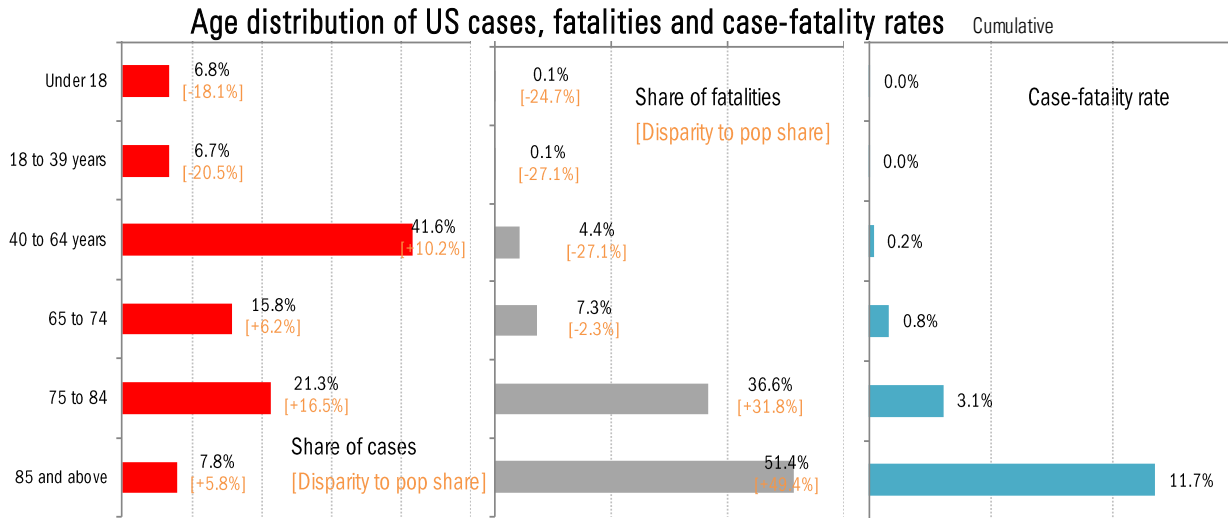
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

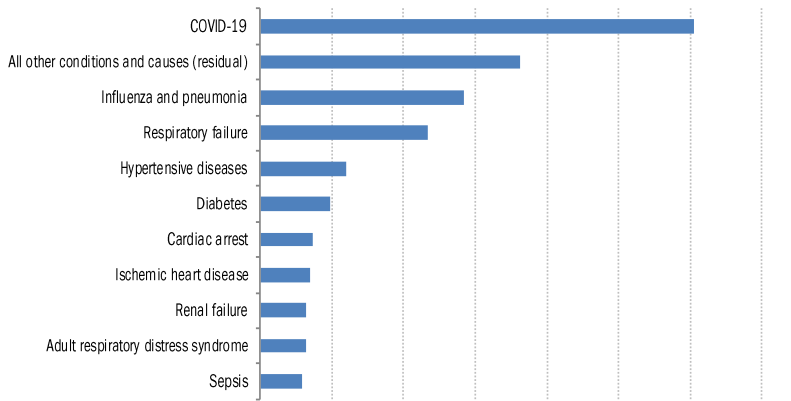


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Aug 1

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

[Interim Operational Considerations for Implementing the Shielding Approach to Prevent COVID-19 Infections in Humanitarian Settings](#)

CDC

July 26, 2021

[For Seniors Especially, Covid Can Be Stealthy](#)

Paula Span

New York Times

August 8, 2021

['This Is Really Scary': Kids Struggle With Long Covid](#)

Pam Belluck

New York Times

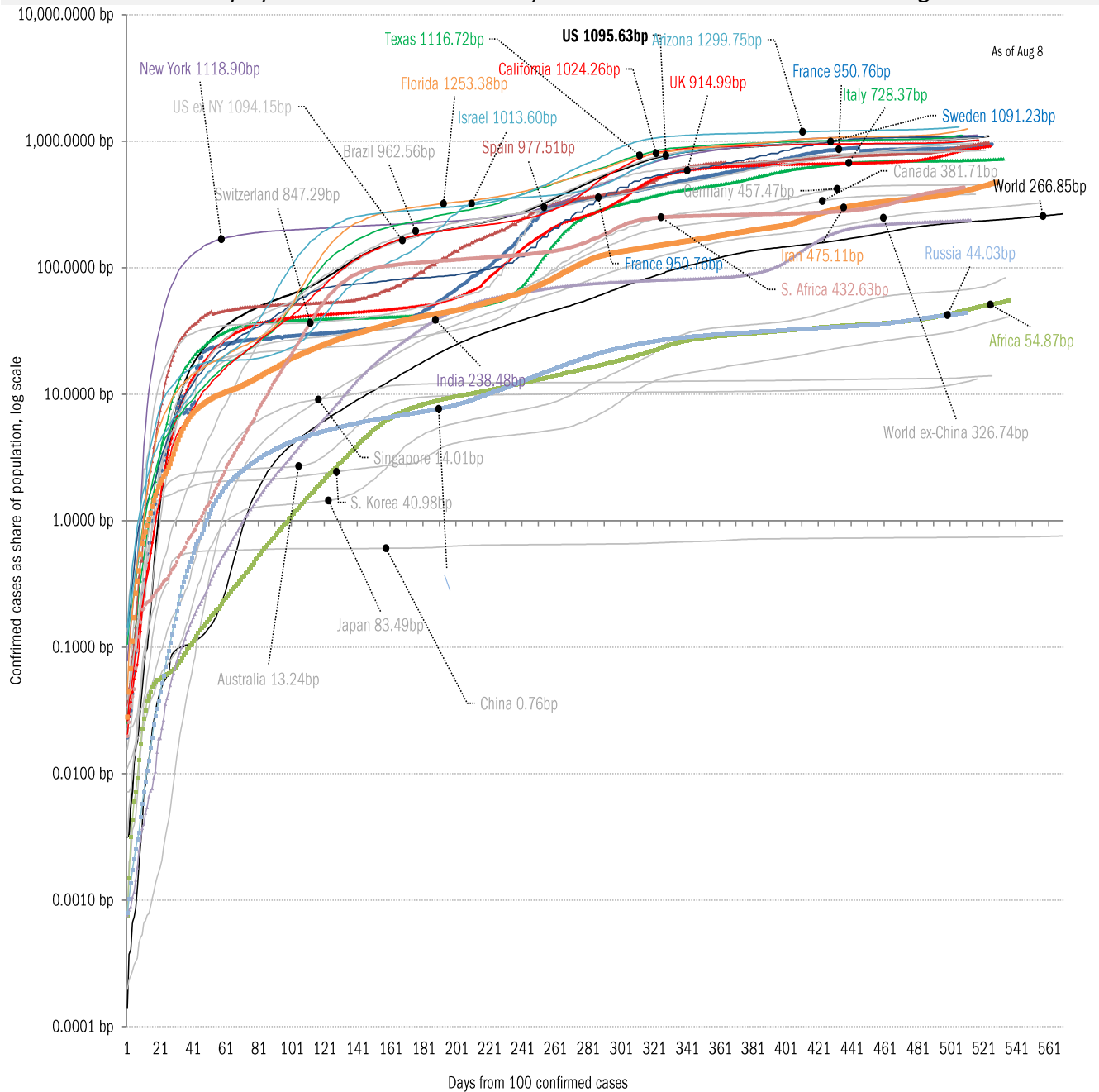
August 8, 2021

Meme of the day



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

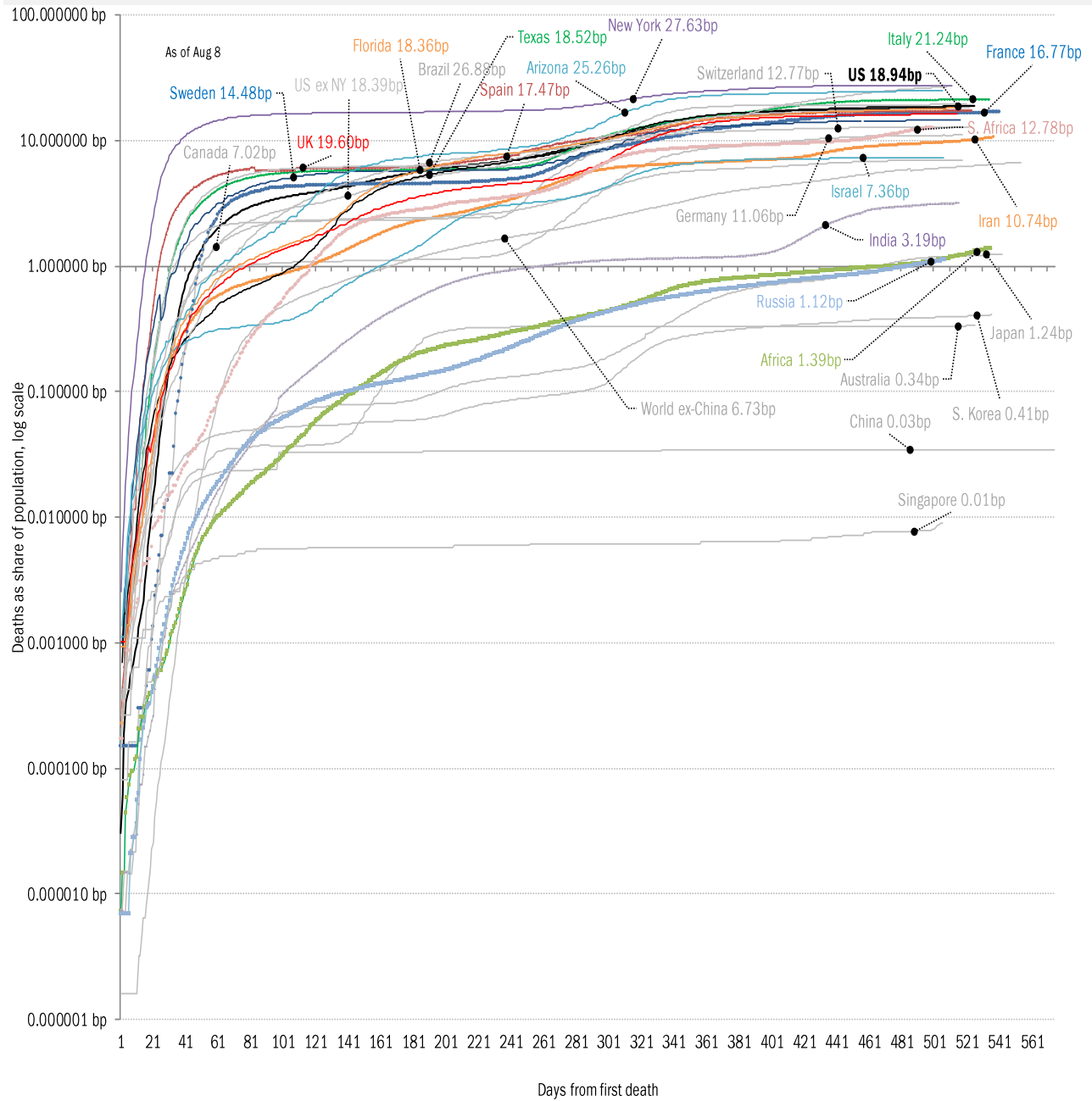
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

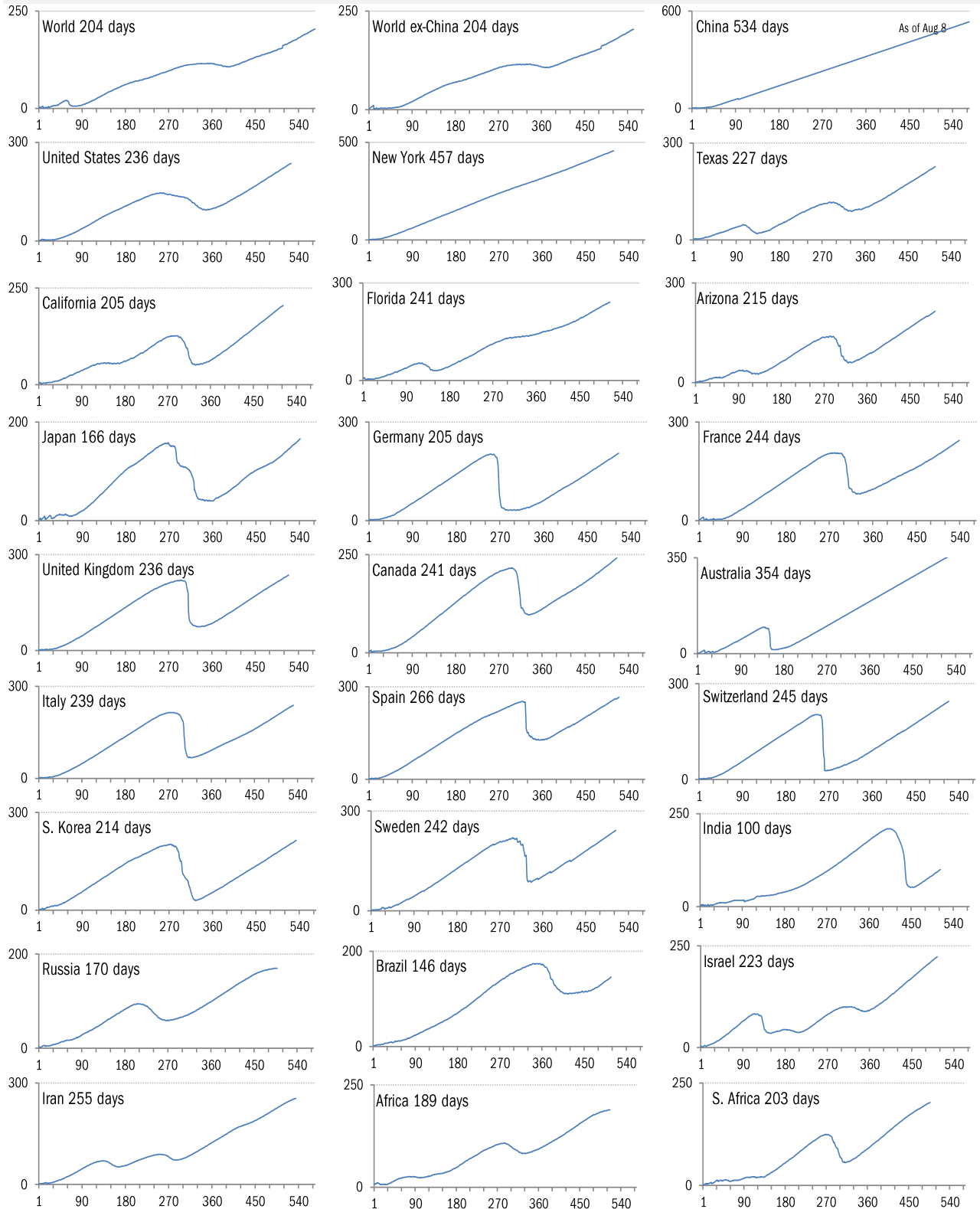


Source: [Johns Hopkins](#), TrendMacro calculations

"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

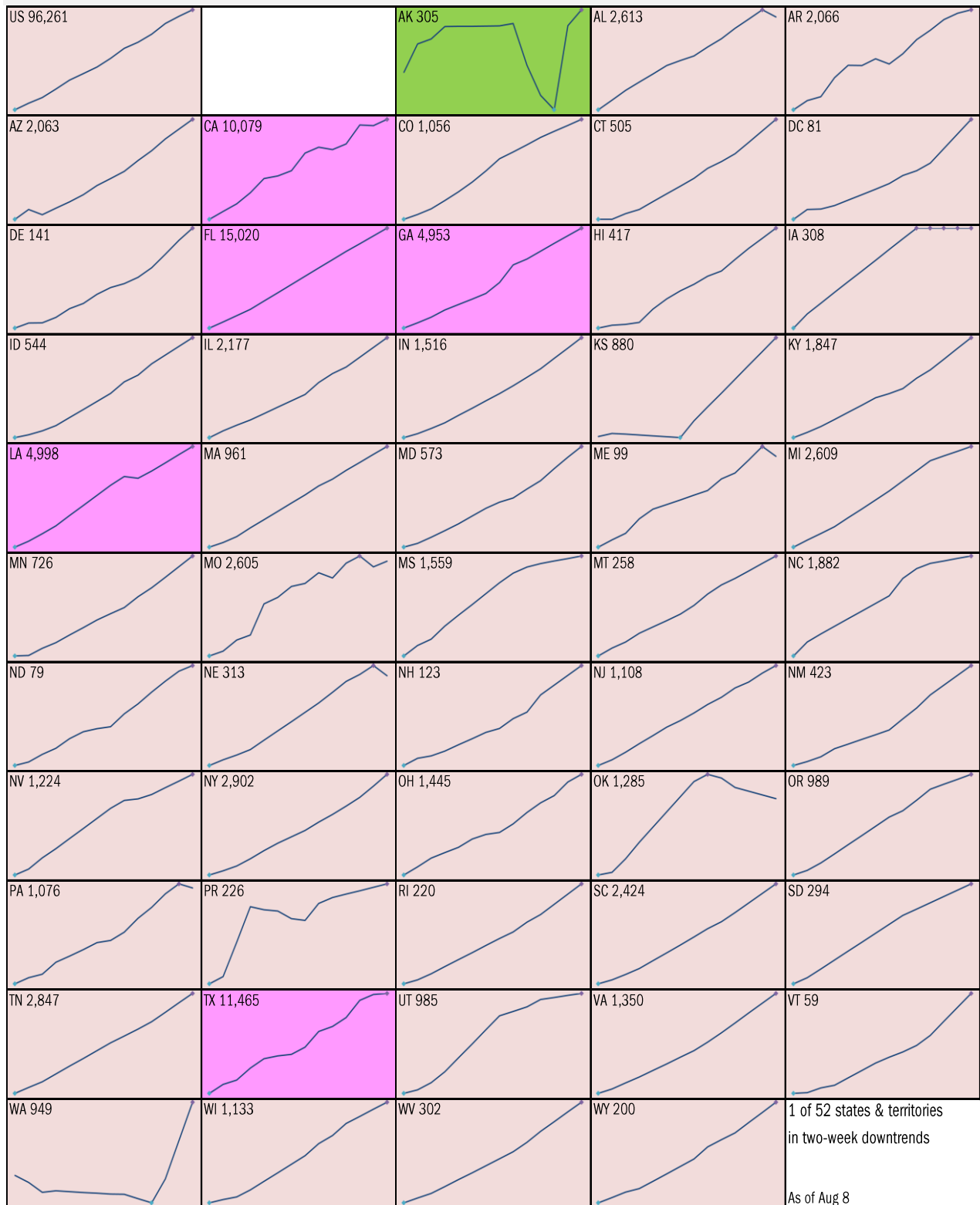


Source: [Johns Hopkins](#), TrendMacro calculations

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

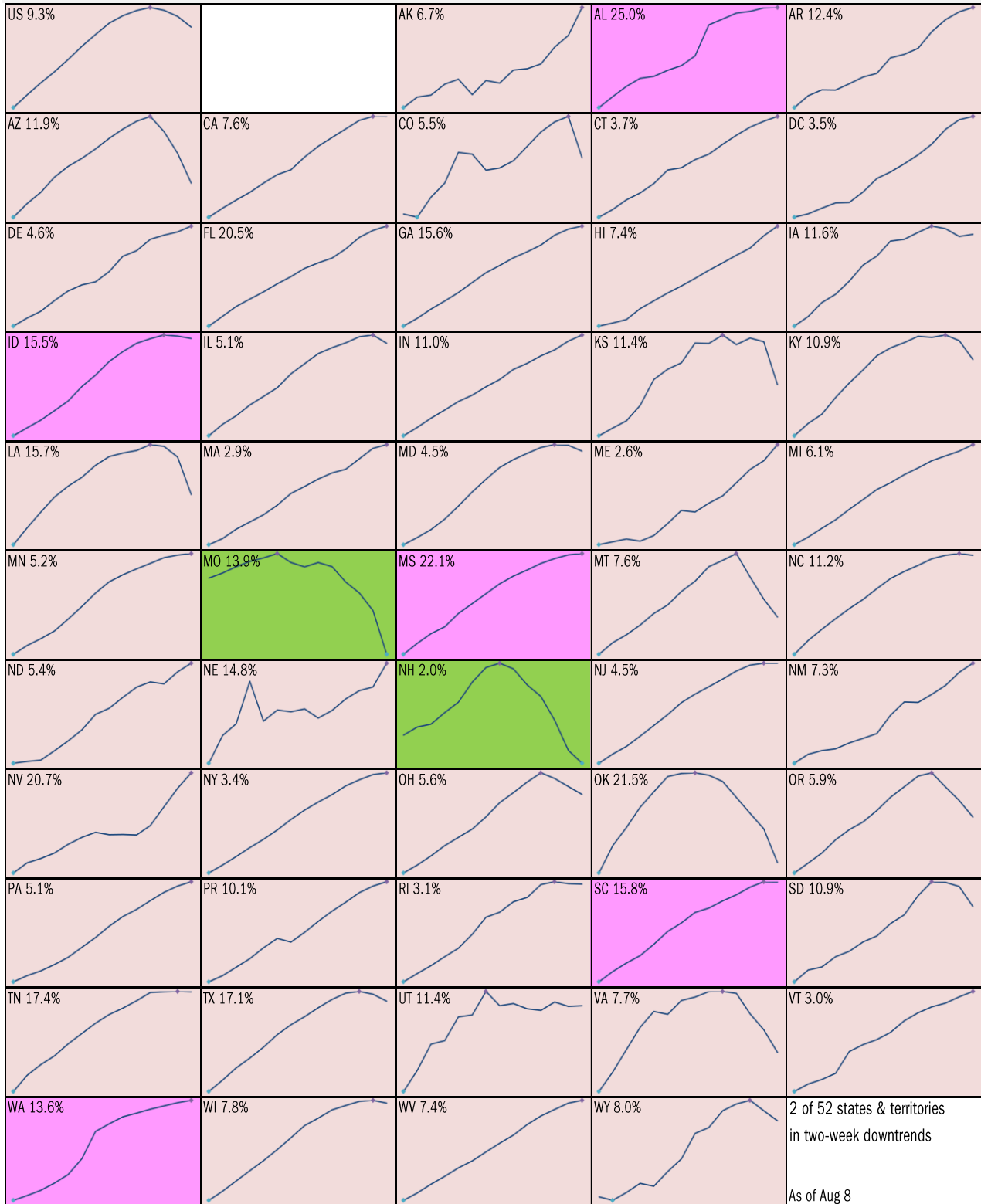


Source: [Johns Hopkins](#), TrendMacro calculations

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

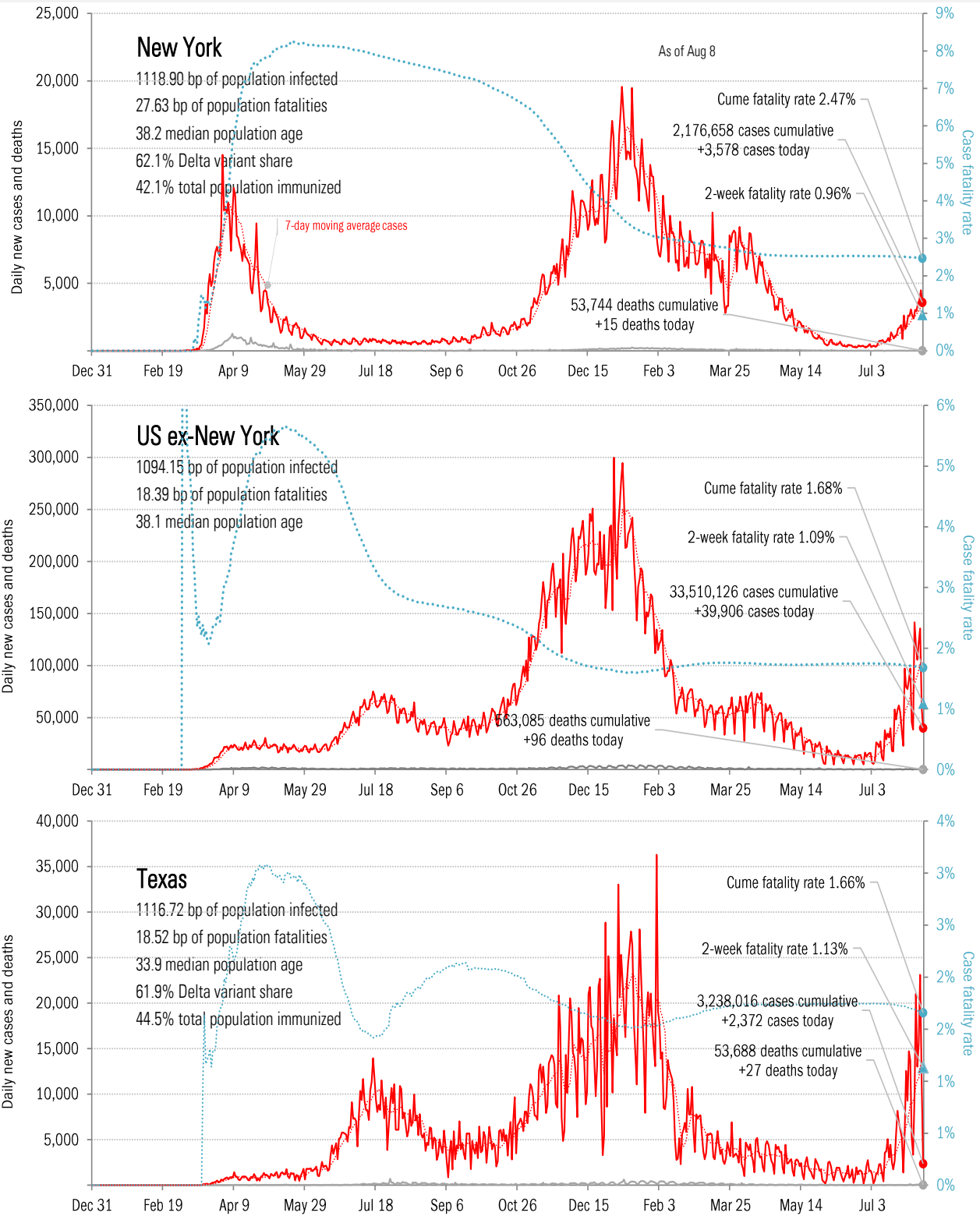
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



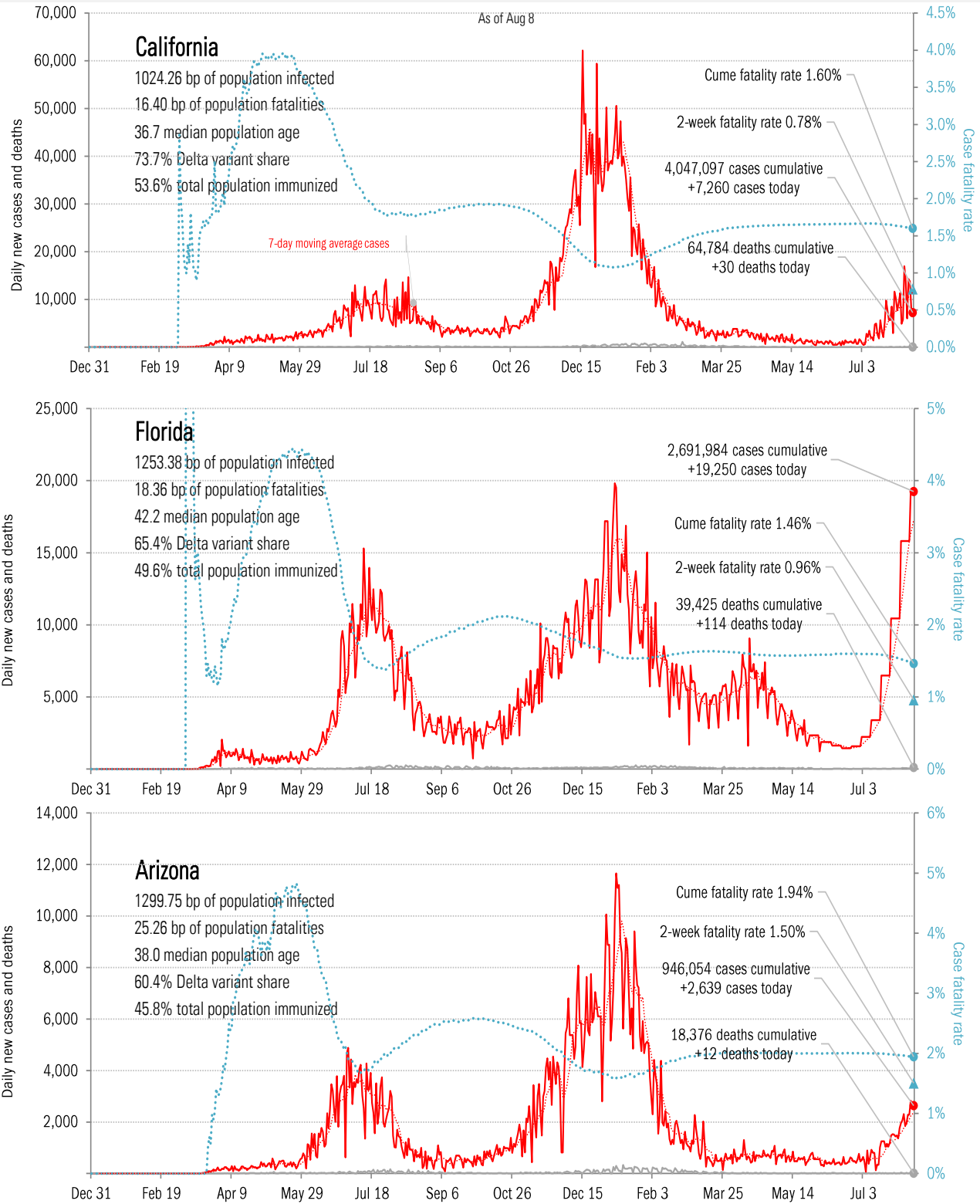
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



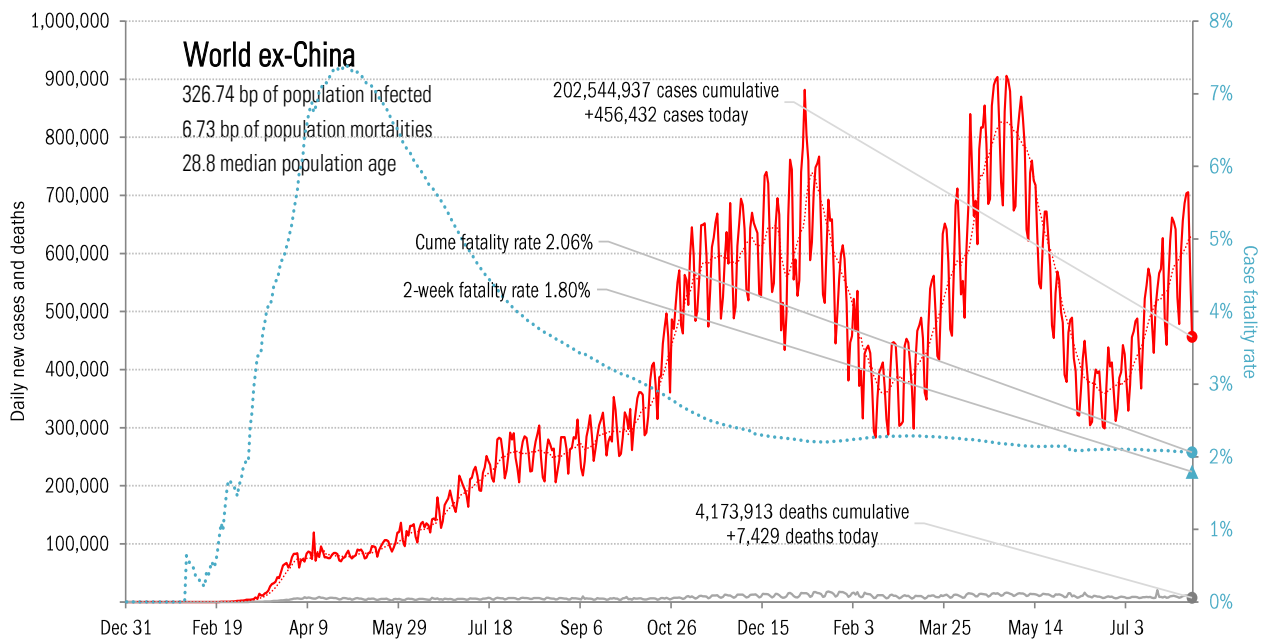
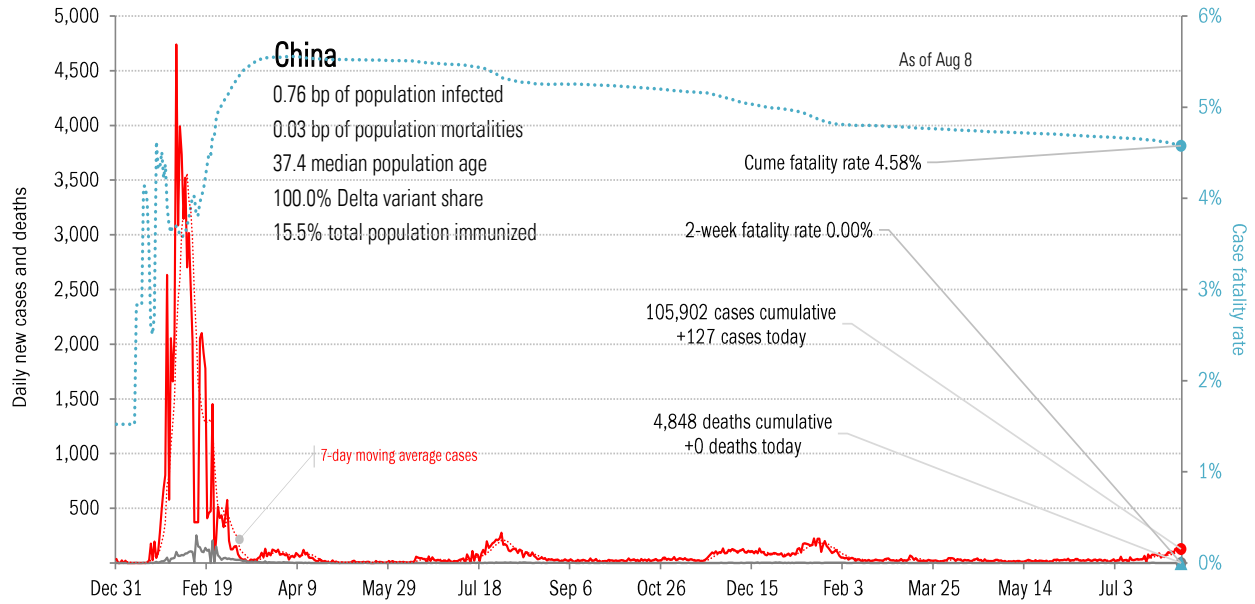
Source: [Johns Hopkins](#), TrendMacro calculations

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



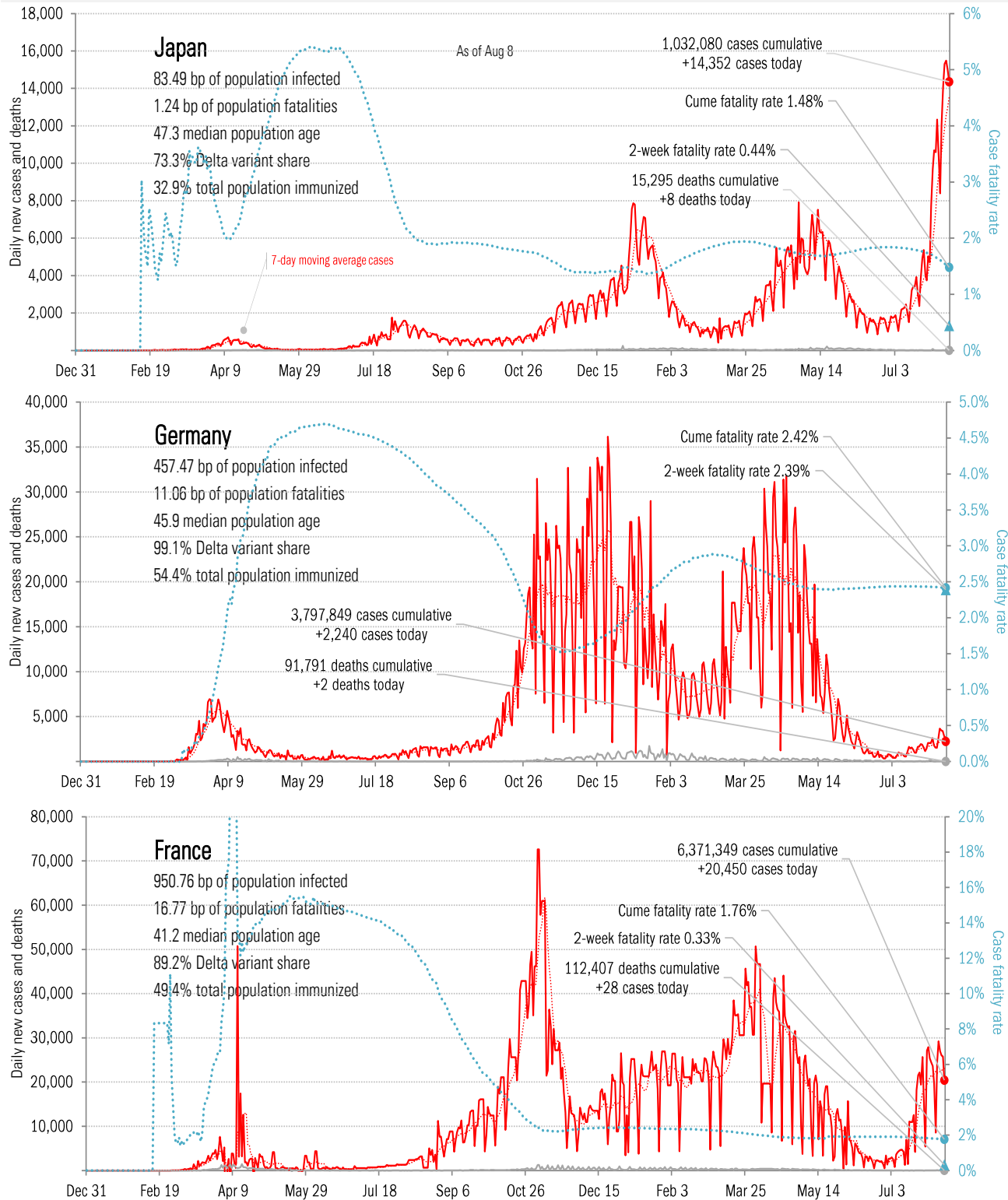
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



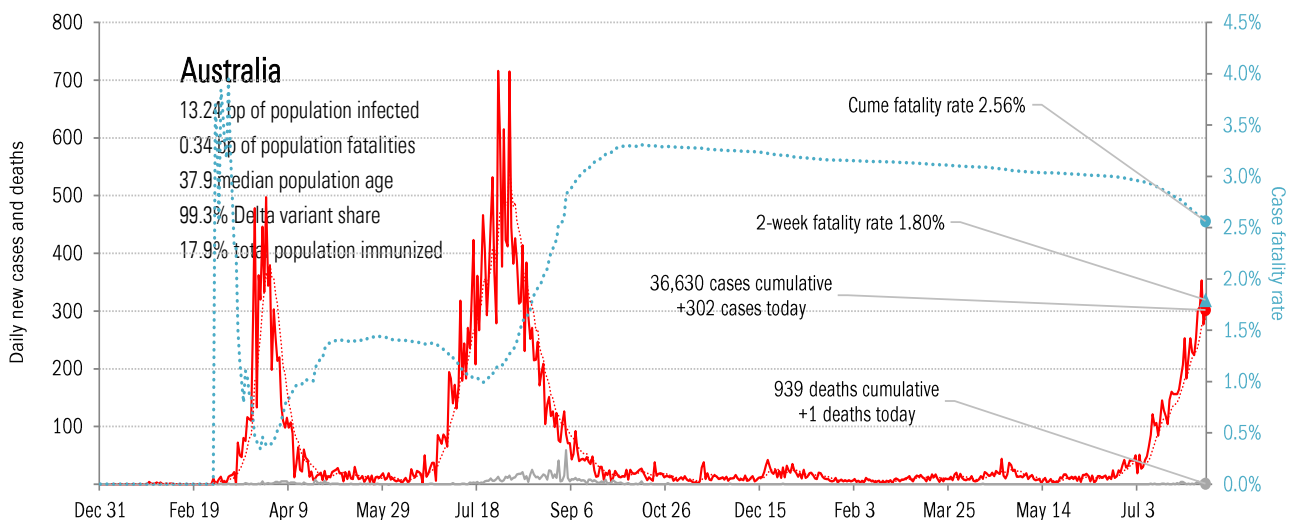
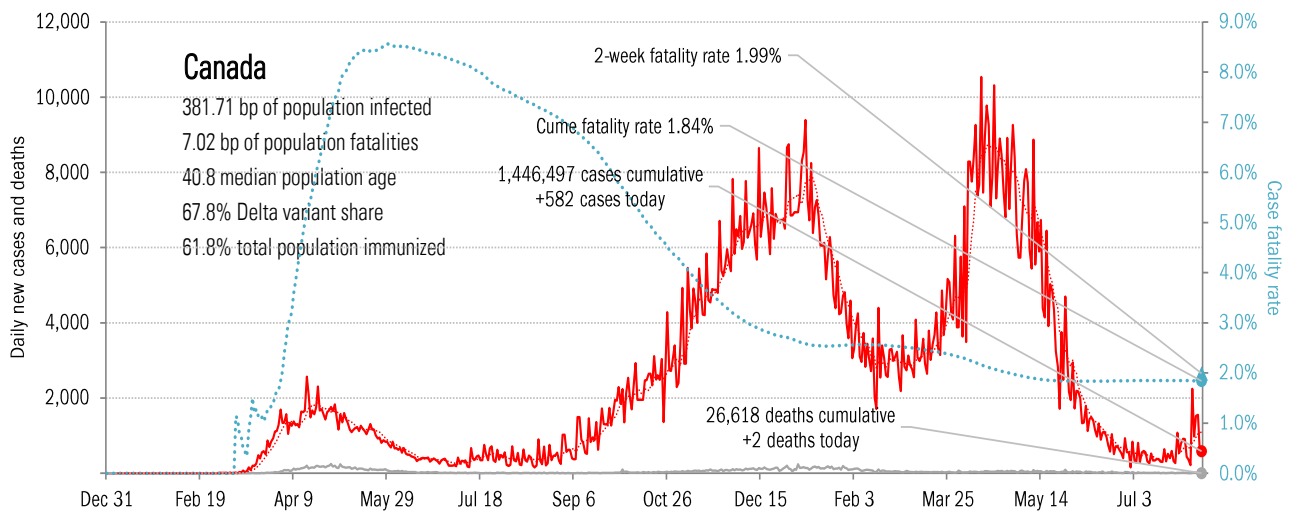
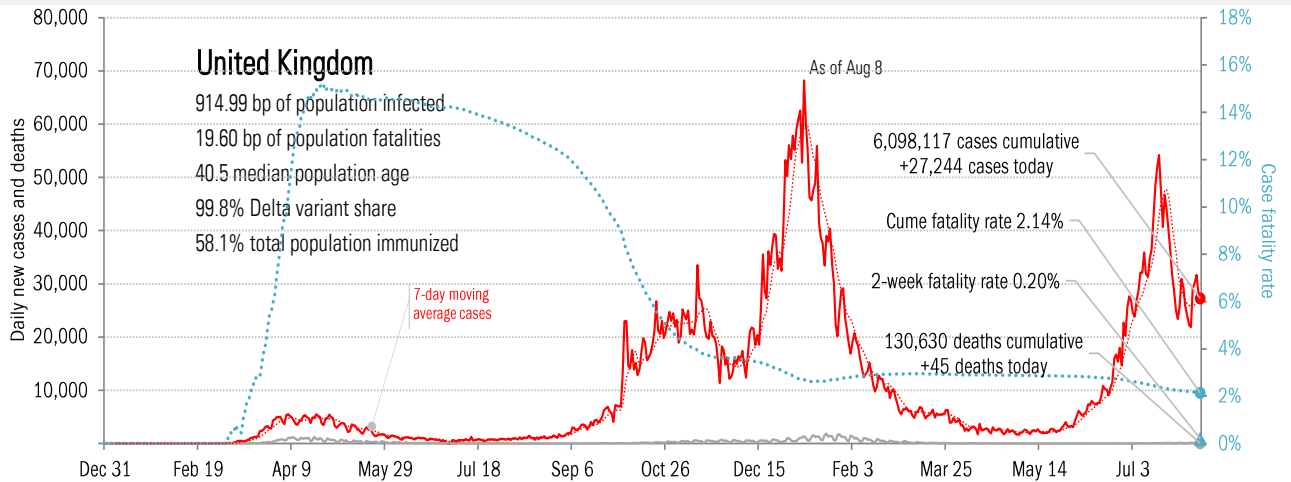
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



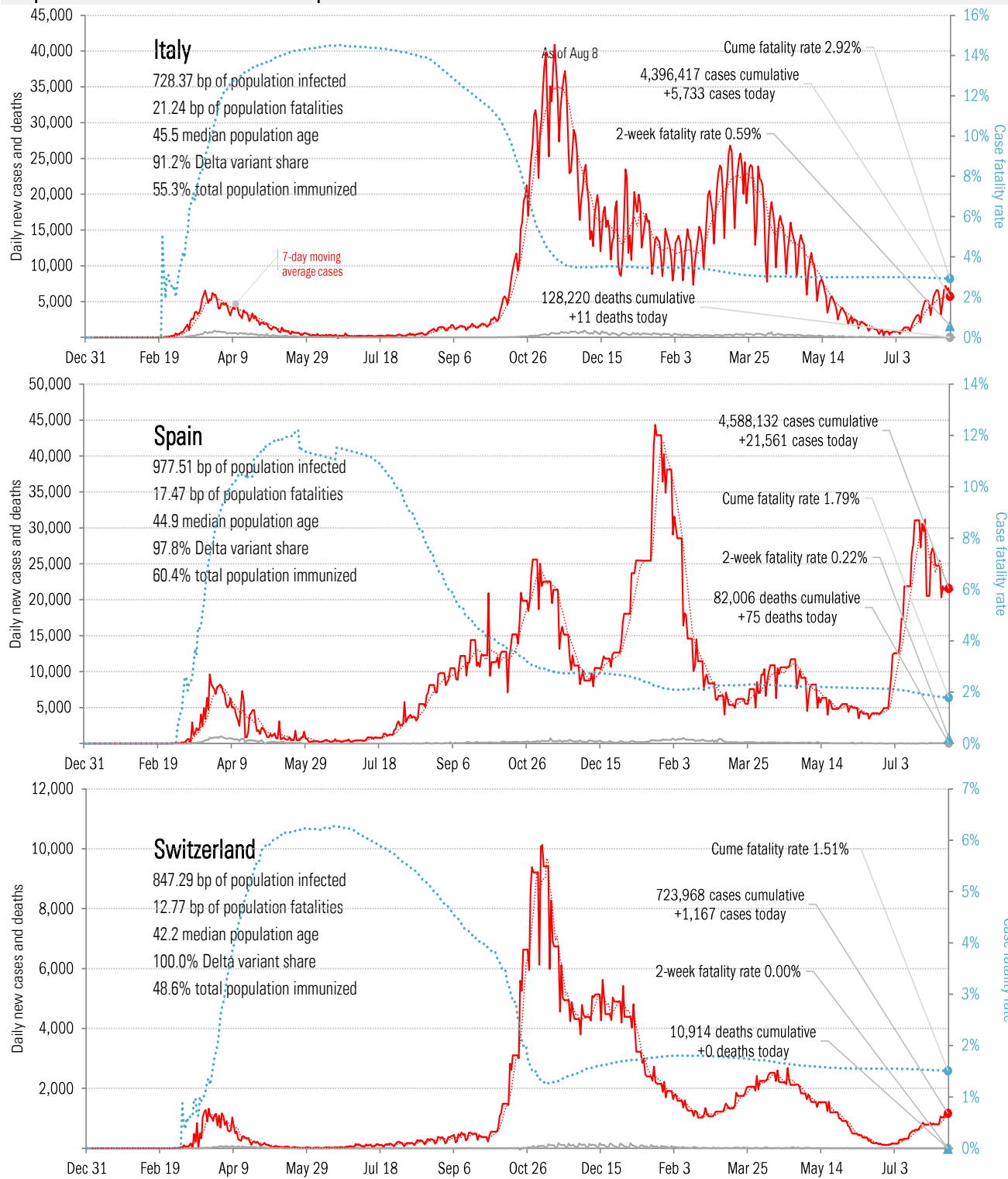
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



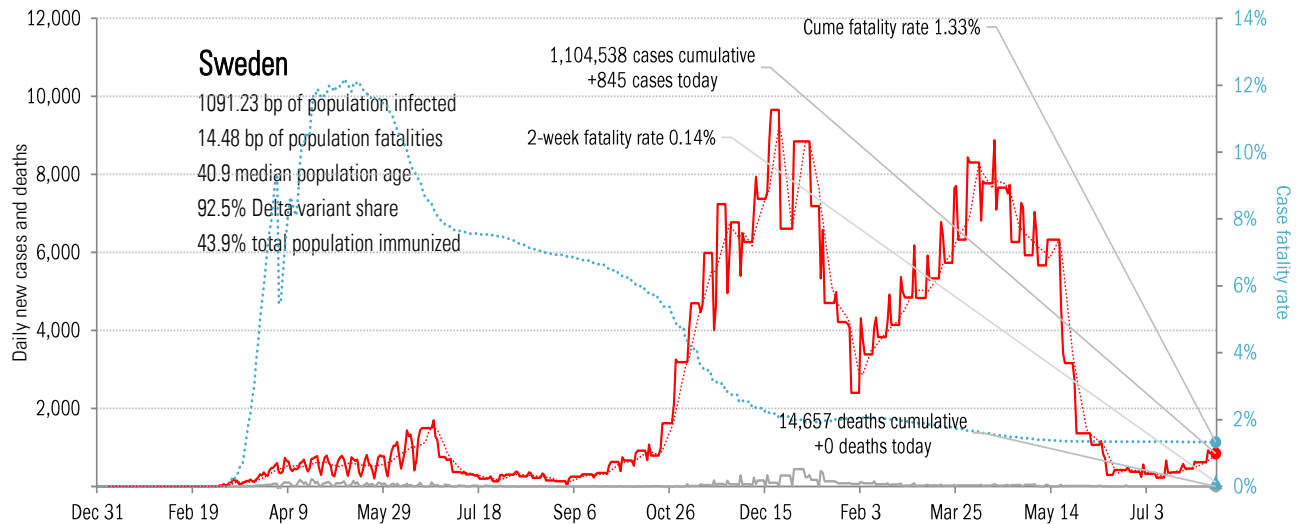
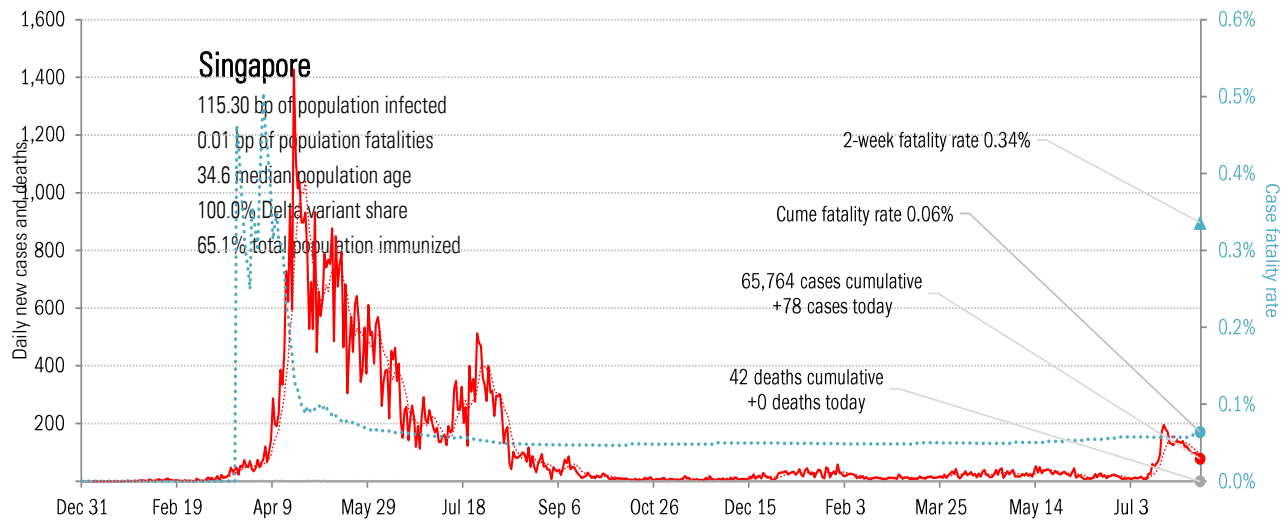
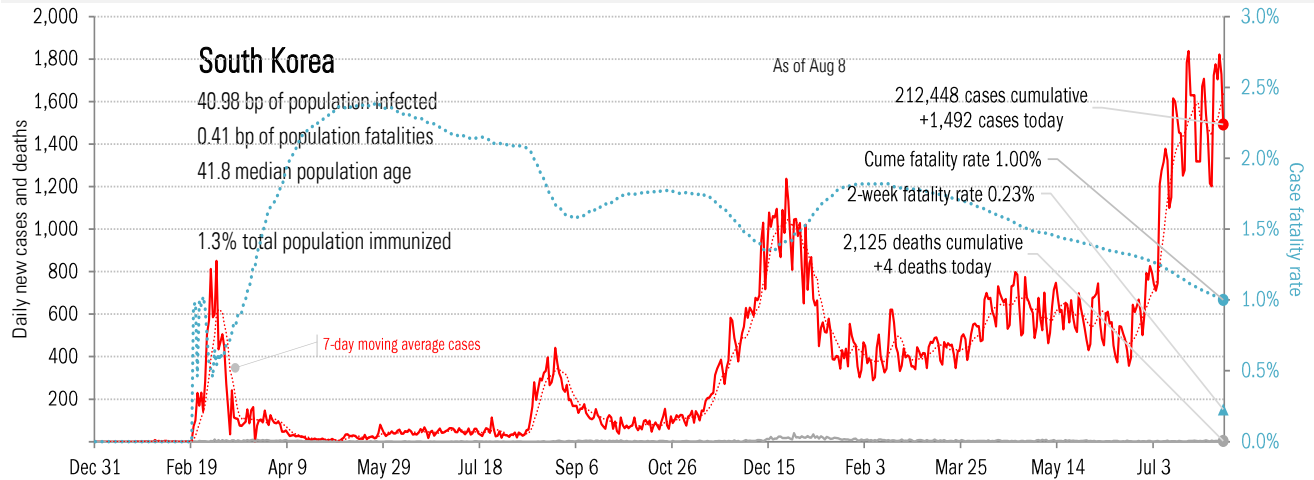
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



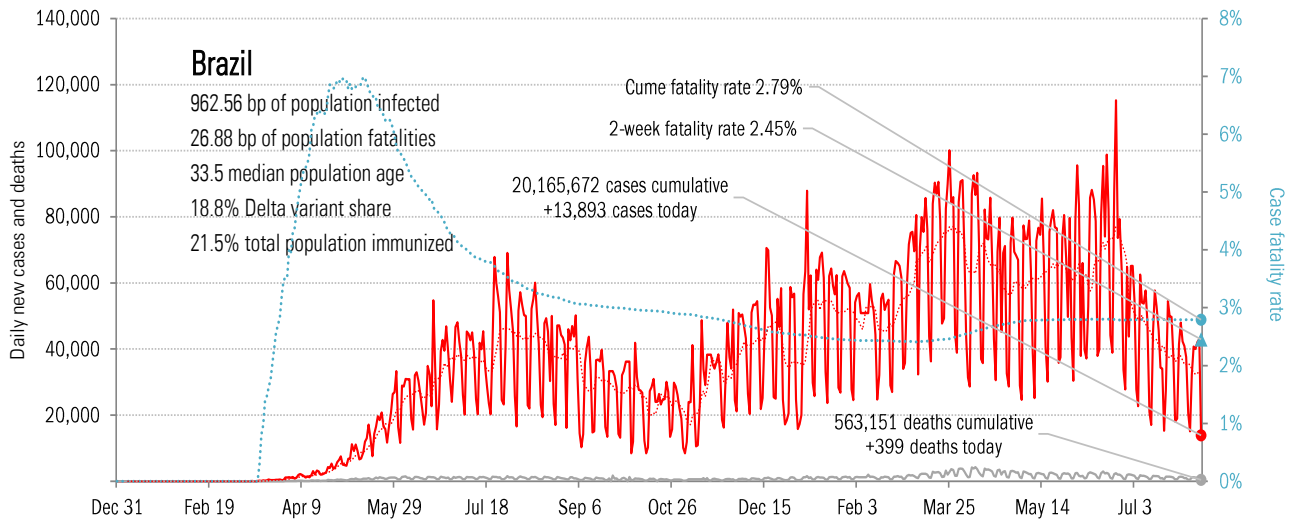
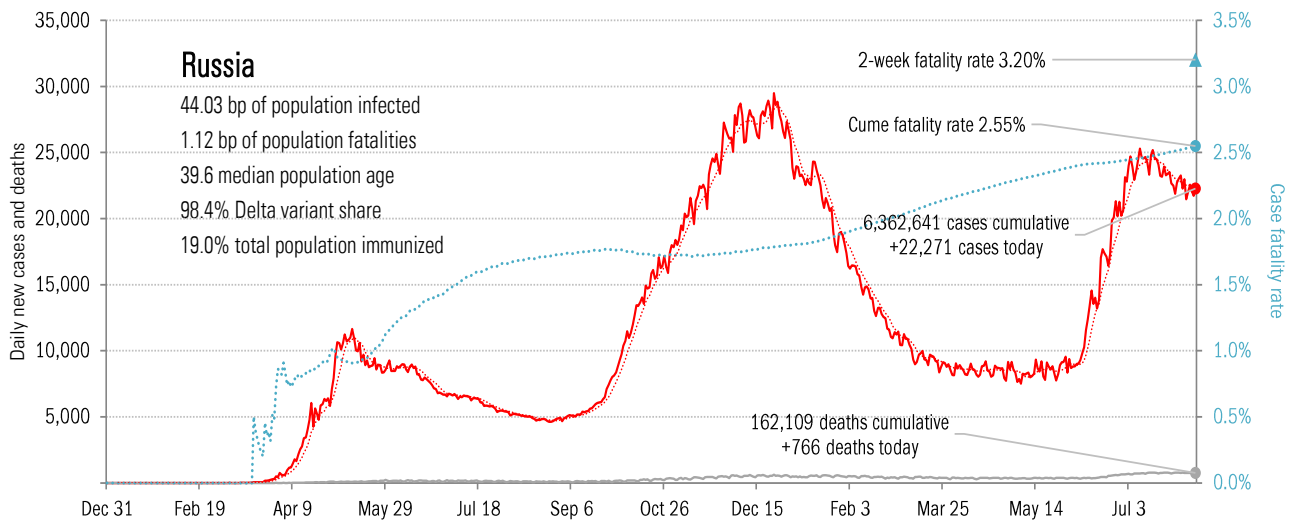
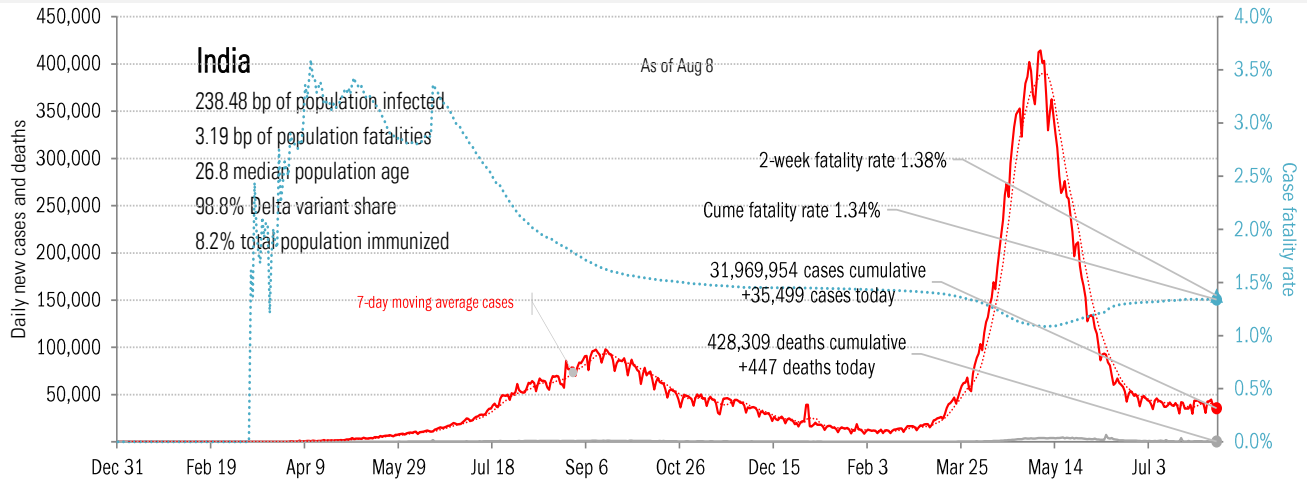
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



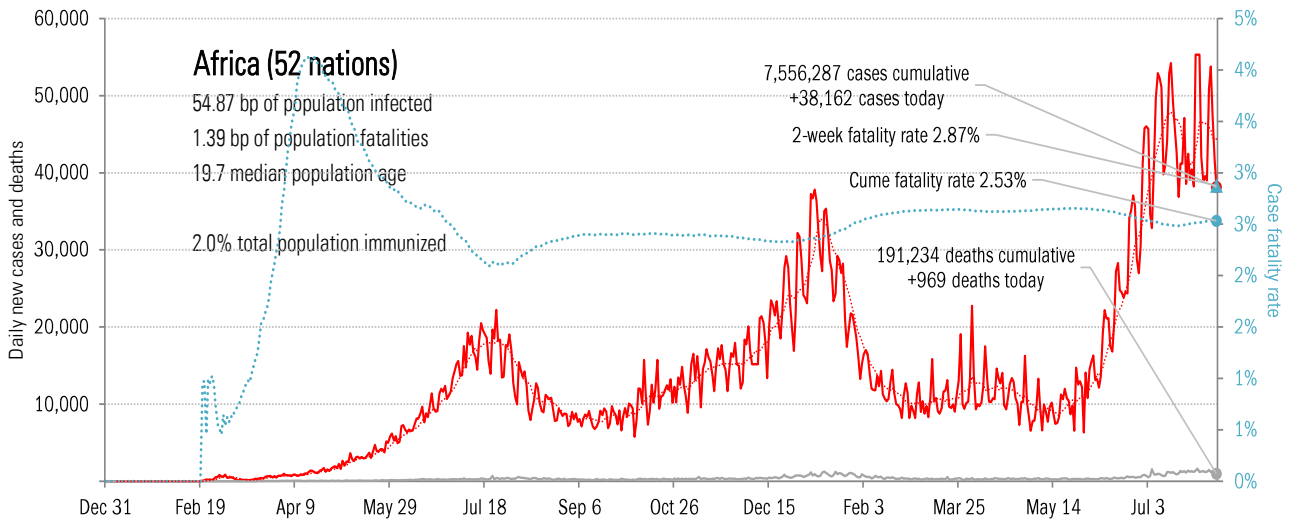
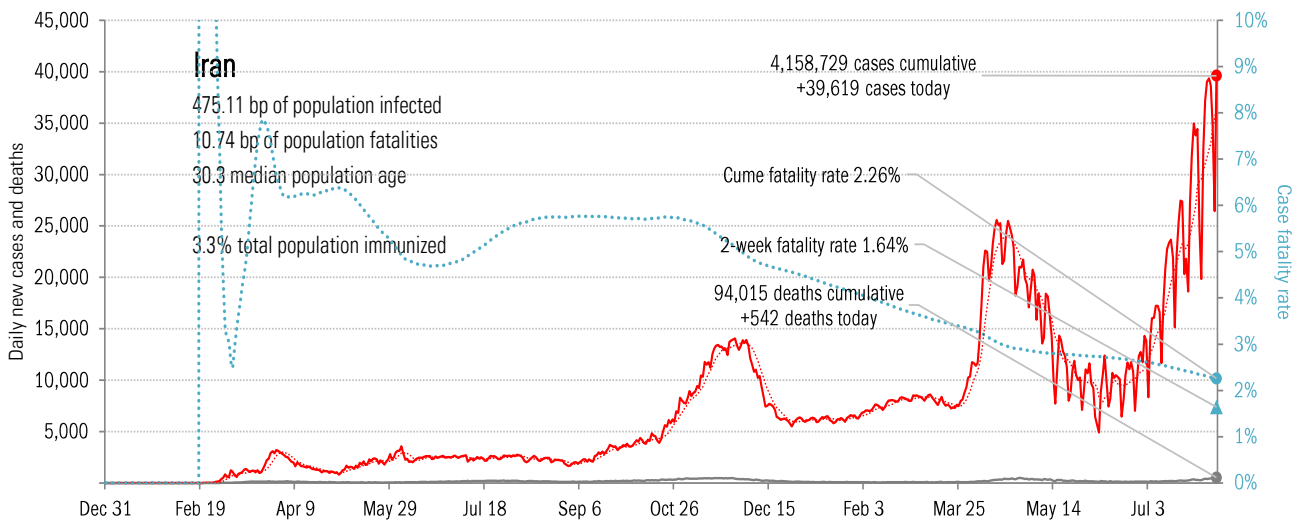
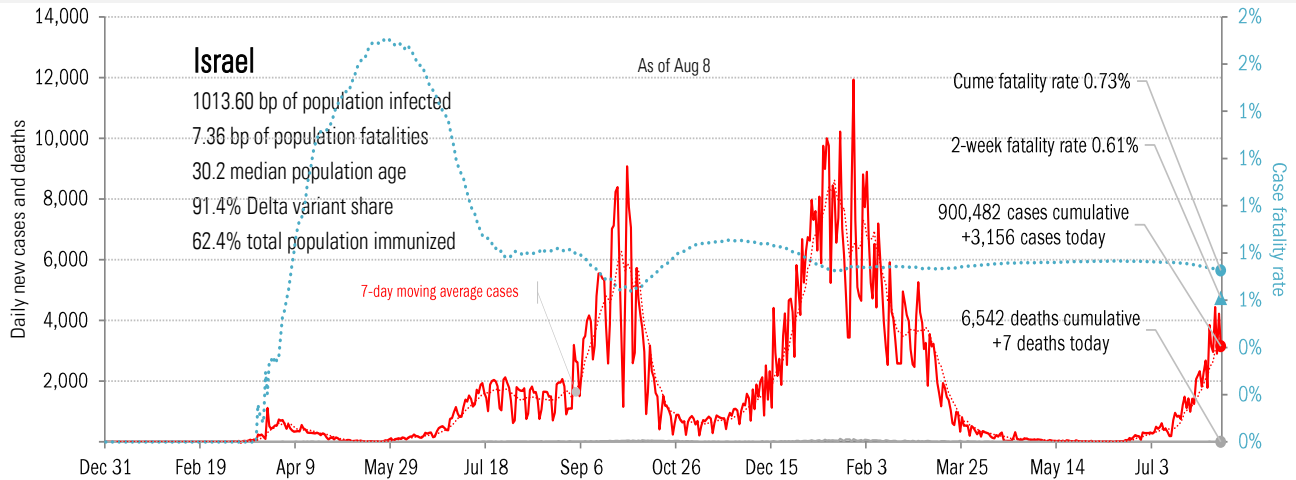
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



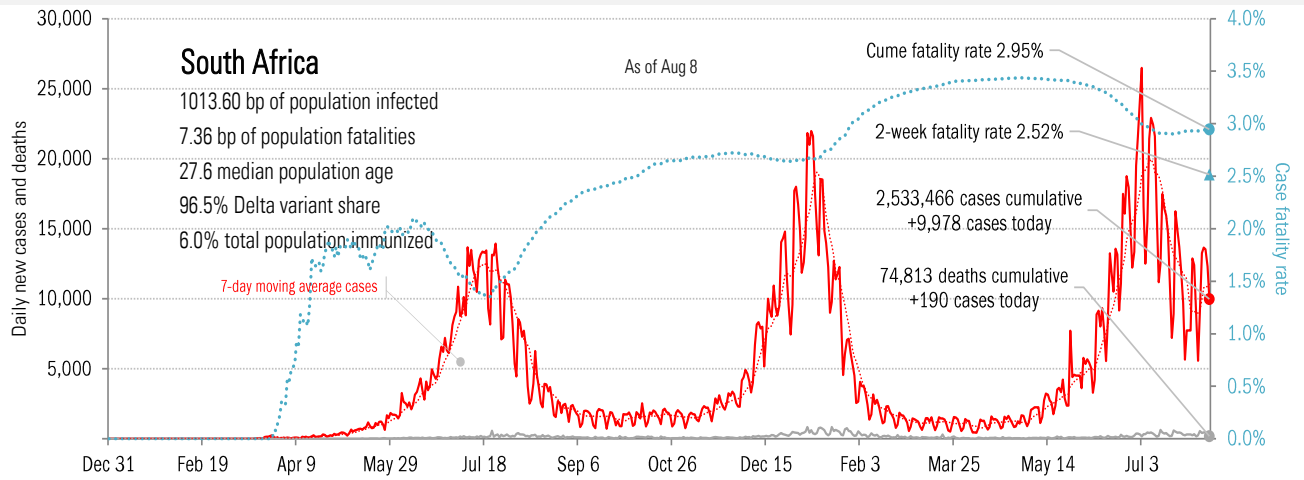
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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