

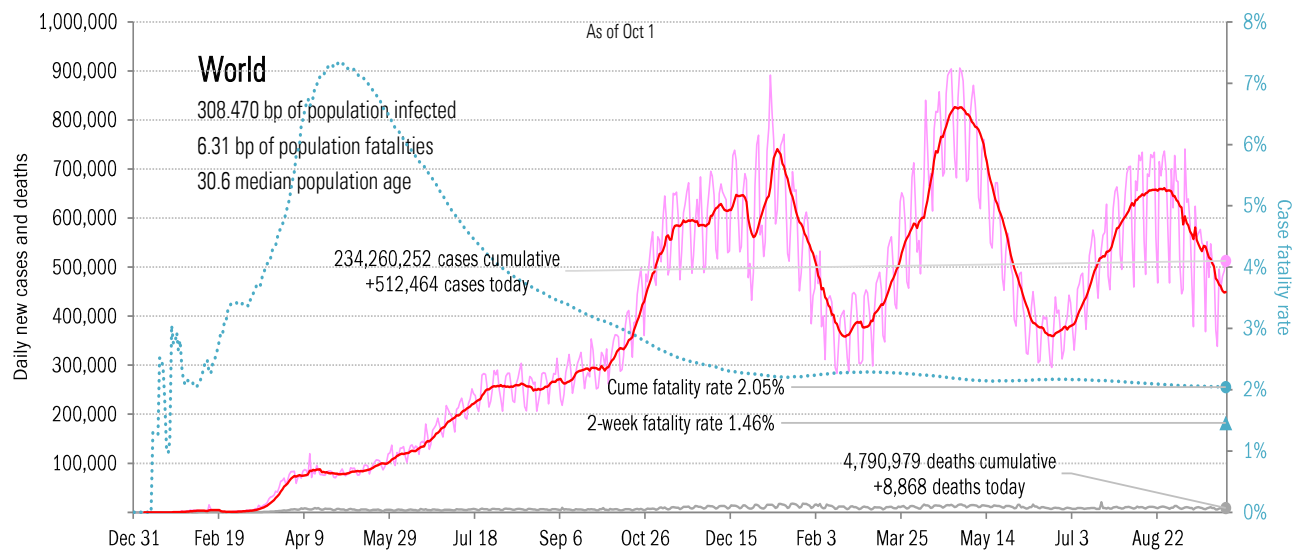
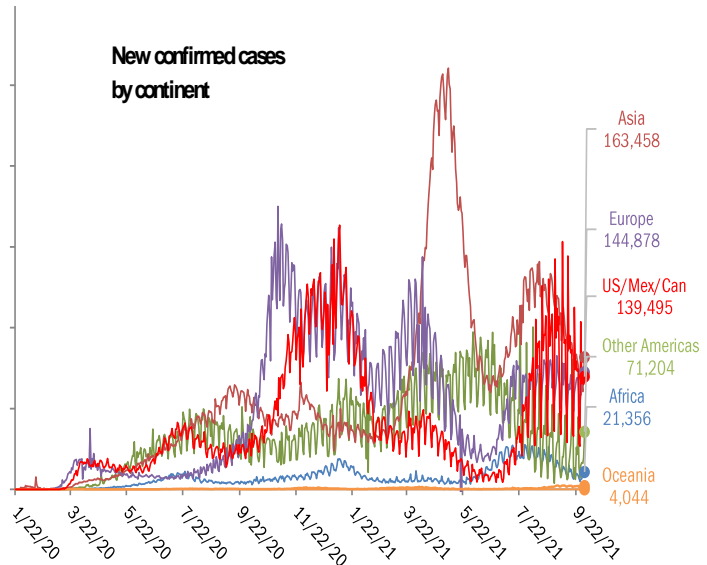
Data Insights: Covid-2019 Monitor

Saturday, October 2, 2021

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	+126,313	United States	+2,390
United Kingdom	+34,684	Russia	+875
Turkey	+28,873	Tanzania	+669
Tanzania	+24,479	Brazil	+506
India	+24,354	Mexico	+471
Russia	+23,953	Iran	+235
Brazil	+18,578	India	+234
Philippines	+15,521	Lesotho	+230
Iran	+14,525	Turkey	+210
Ukraine	+12,603	Philippines	+199
+323,883		+6,019	
World +512,464		World +8,868	
Top ten 63%		Top ten 68%	



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

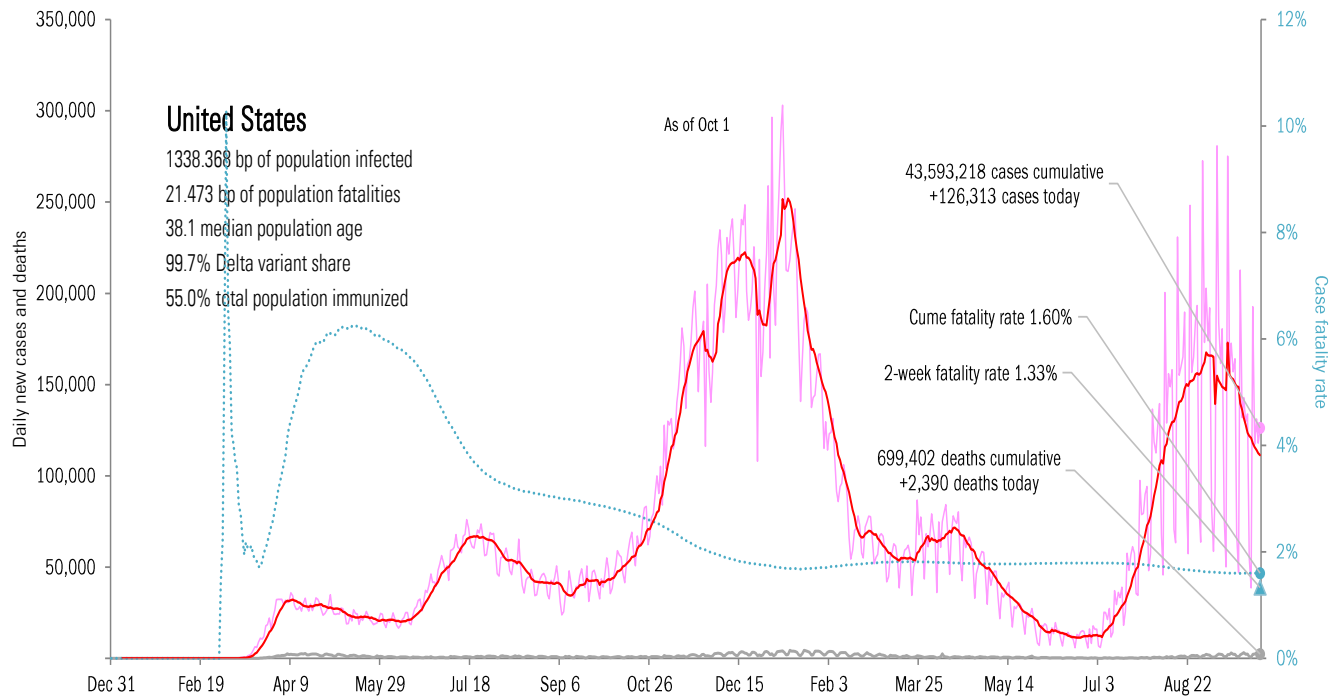
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MI	+9,355		CH	+328		GA	+87		CA	4,729,153		CA	69,225		TX	359,133		MA	88%	AL	96%
TX	+9,172		TX	+326		CR	+18		TX	4,077,436		TX	65,529		FL	308,487		RI	87%	GA	93%
CA	+8,293		FL	+246		NM	+13		FL	3,594,697		NY	55,416		CA	297,649		GA	86%	KY	92%
CH	+6,234		GA	+158		WV	+13		NY	2,432,444		FL	54,416		NY	155,966		PA	85%	TX	91%
NY	+5,761		SC	+98		MI	+12		IL	1,630,864		PA	29,437		GA	152,421		MD	84%	ID	90%
PA	+5,352		CA	+95		CO	+11		GA	1,582,063		IL	27,450		CH	111,940		MN	83%	NM	87%
FL	+5,328		AL	+94		ME	+11		PA	1,435,292		NJ	27,443		PA	106,805		SC	83%	WV	87%
NC	+4,963		MI	+84		NJ	+10		CH	1,420,206		GA	26,242		KY	106,736		MO	82%	NC	87%
KY	+4,130		NC	+81		CT	+9		NC	1,400,217		MI	22,439		IL	100,048		MI	82%	AR	87%
WI	+4,023		NY	+58		MT	+9		TN	1,231,820		CH	22,273		MI	83,574		NY	81%	NV	85%
+62,611			+1,568			+193			23,534,192			399,870			1,782,759						
All states	+126,313		+2,390			-953			All states	43,593,218		699,402			3,168,880			All states	70%	67%	
Top ten	50%		66%			-20%			Top ten	54%		57%			56%			Median	78%	80%	

Some states not reporting

Five most improved US states

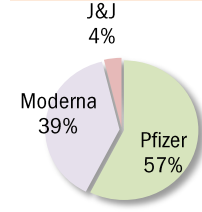
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
GA	-1,529	CA	-46	CH	-108	FR	+40 bp
FL	-1,233	PA	-40	NY	-100	UT	+20 bp
CA	-1,017	WA	-33	PA	-94	AK	+10 bp
TN	-818	ID	-29	CA	-55	AR	+10 bp
NJ	-654	NV	-27	VA	-47	DC	+10 bp



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	404,888,592		+0.884 million		US	55.0%	63.8%	
	One dose	% Pop	Immune	% pop	New immune today	UK	65.8%	71.6%
Total population	219,830,812	66%	189,507,148	57%	+0.262 million	France	65.7%	74.4%
Age 12 to 17	13,685,981	58%	11,098,631	47%	+0.027 million	Spain	78.4%	80.7%
Age 18 to 64	152,031,777	75%	130,346,247	64%	+0.199 million	Germany	64.1%	67.5%
Age 65 and over	53,038,350	97%	47,184,642	86%	+0.035 million	Italy	68.0%	75.0%
						Australia	44.9%	65.3%
						Israel	64.2%	69.7%
						Canada	71.0%	77.0%
						Japan	60.1%	70.7%
						Africa	4.4%	6.8%
						India	17.3%	46.9%
						Brazil	42.5%	70.6%
						China	72.6%	76.2%



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



Every American >18 immune in **94 days** by Jan 2, 2022
 68.7% of population >18 immunized
 14.9% previously tested positive
83.6% vs 60% adult herd immunity

As of Oct 1

Global data differs from sources, timing

AK
57.4%
50.7%

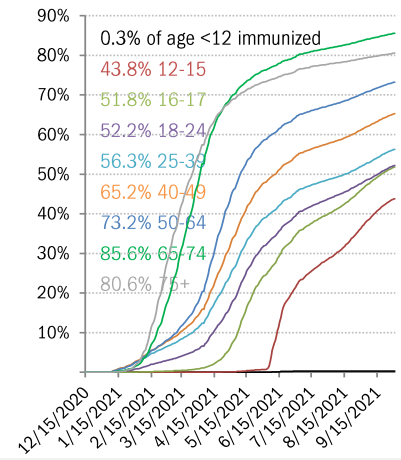
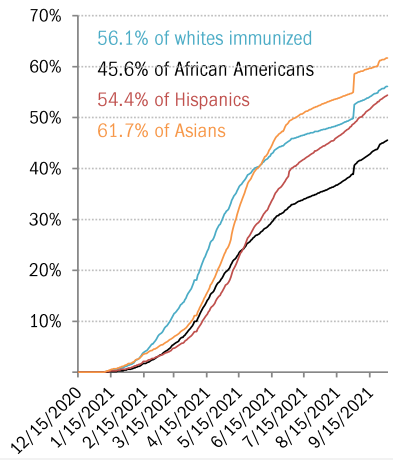
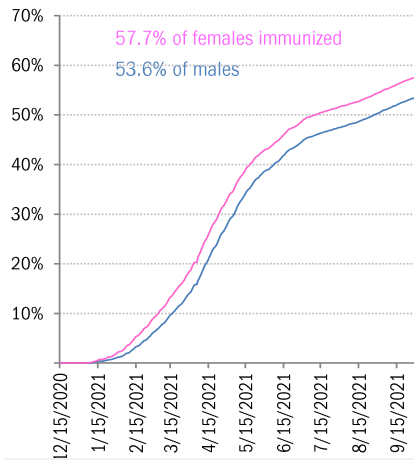
WI
61.0%
56.5%

ME
74.2%
68.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
67.3%	47.1%	54.8%	51.1%	63.6%	68.5%	57.1%	71.4%	77.8%	70.1%	
60.9%	41.7%	48.5%	44.3%	58.2%	53.6%	52.3%	63.8%	69.5%	61.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
66.6%	60.8%	48.5%	59.3%	58.2%	52.3%	54.3%	72.7%	72.6%	77.5%	
60.9%	50.8%	41.6%	51.8%	54.1%	48.4%	50.3%	57.9%	64.4%	67.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
71.8%	59.0%	65.7%	59.5%	54.9%	60.8%	48.2%	68.5%	70.7%	76.4%	75.3%
59.0%	50.8%	59.4%	54.7%	48.0%	52.4%	40.4%	60.7%	64.2%	68.8%	68.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	59.4%	72.7%	60.0%	55.8%	52.8%	60.0%	55.3%	70.9%	66.3%	
	51.1%	63.3%	51.2%	45.7%	45.5%	49.9%	47.3%	60.2%	57.6%	
			OK	LA	MS	AL	GA			
			56.7%	51.8%	50.2%	52.7%	54.9%			
			47.7%	45.5%	43.6%	42.6%	45.4%			
			TX					FL		PR
			59.6%					67.0%		79.5%
			51.2%					57.4%		70.7%

HI
76.8%
58.0%

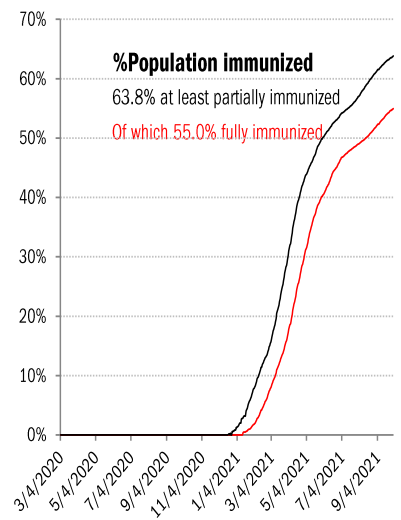
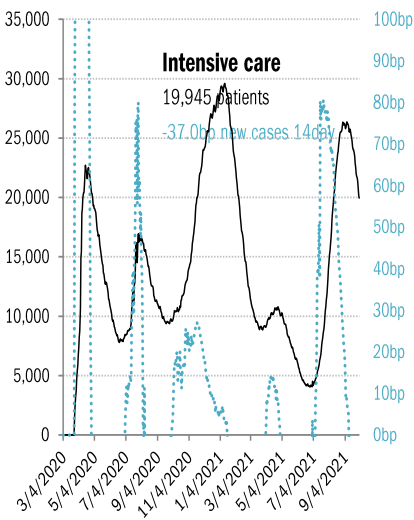
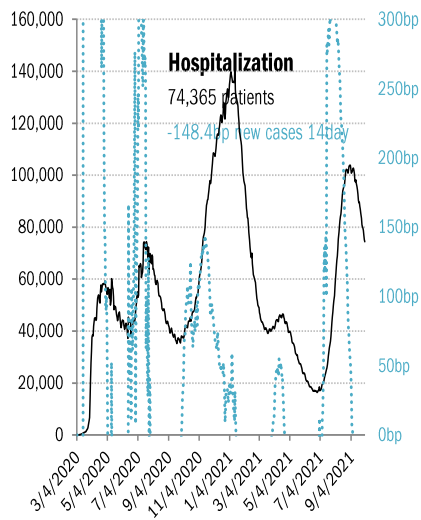
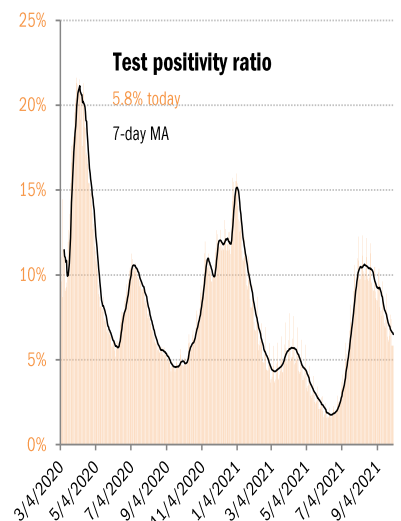
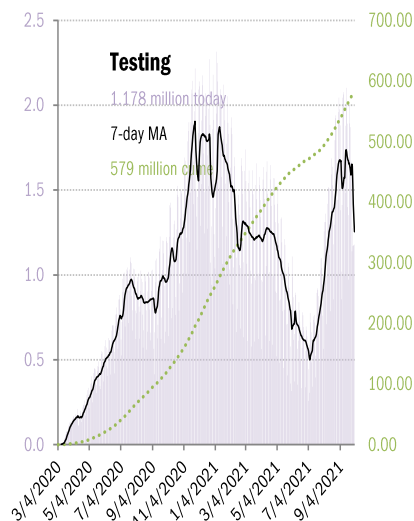
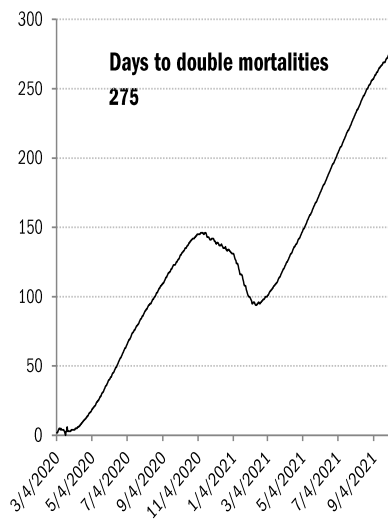
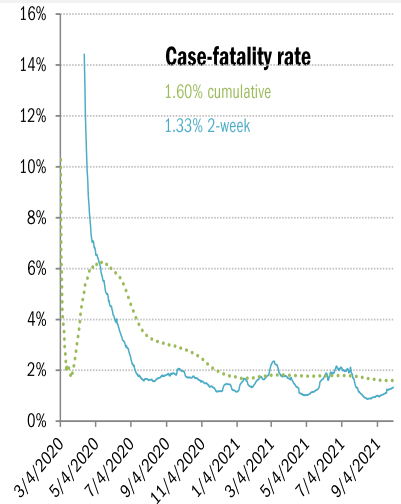
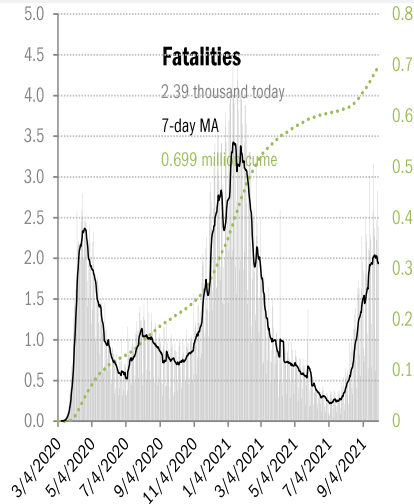
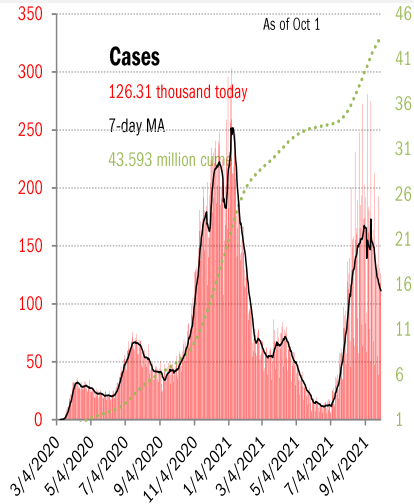
The demographics of US vaccination



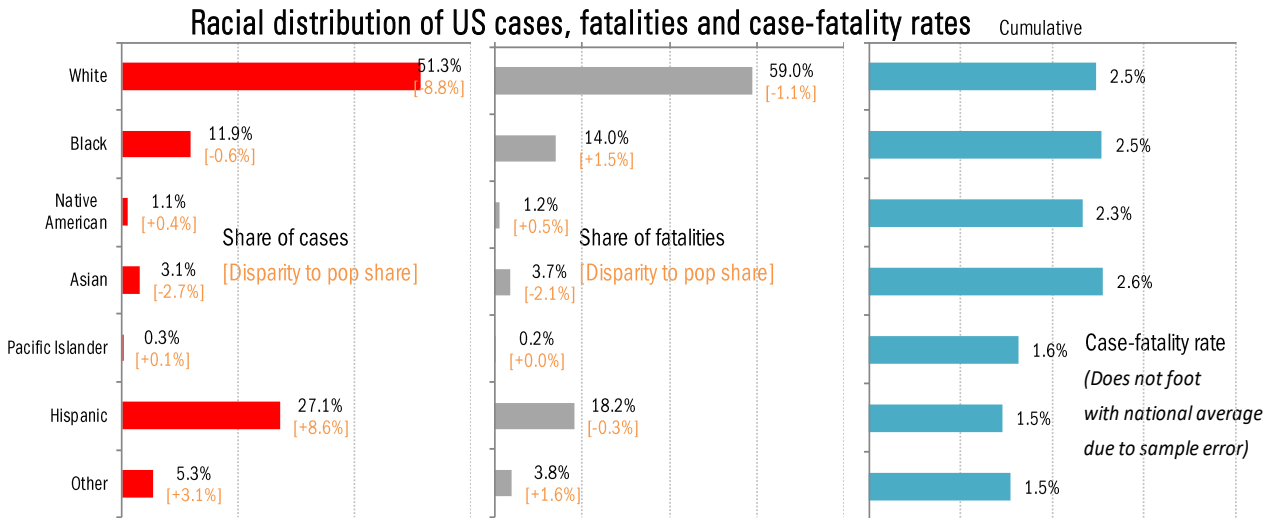
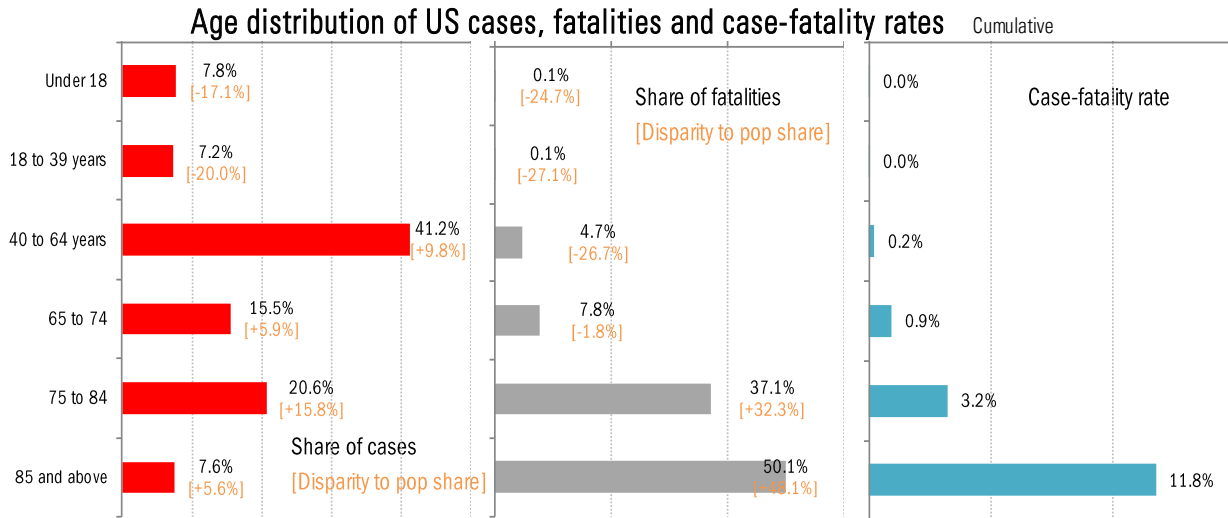
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

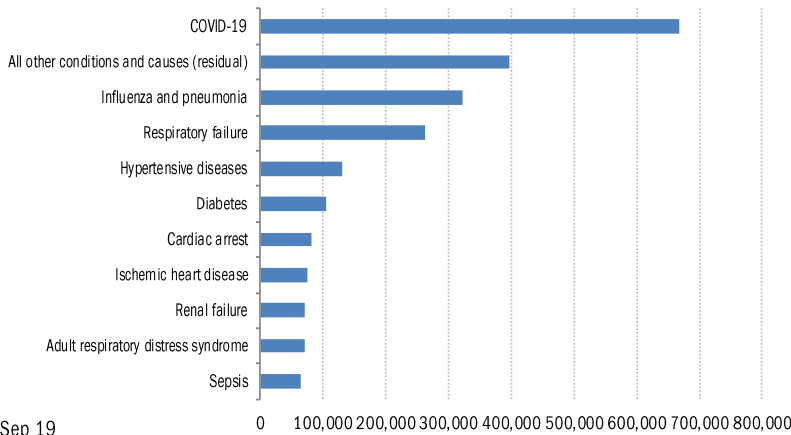


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Sep 19

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

[U.S. Coronavirus Death Toll Surpasses 700,000 Despite Wide Availability of Vaccines](#)

Julie Bosman and Lauren Leatherby
New York Times
October 1, 2021

[Lawsuit seeks to halt Biden's vaccination mandates for federal workforce](#)

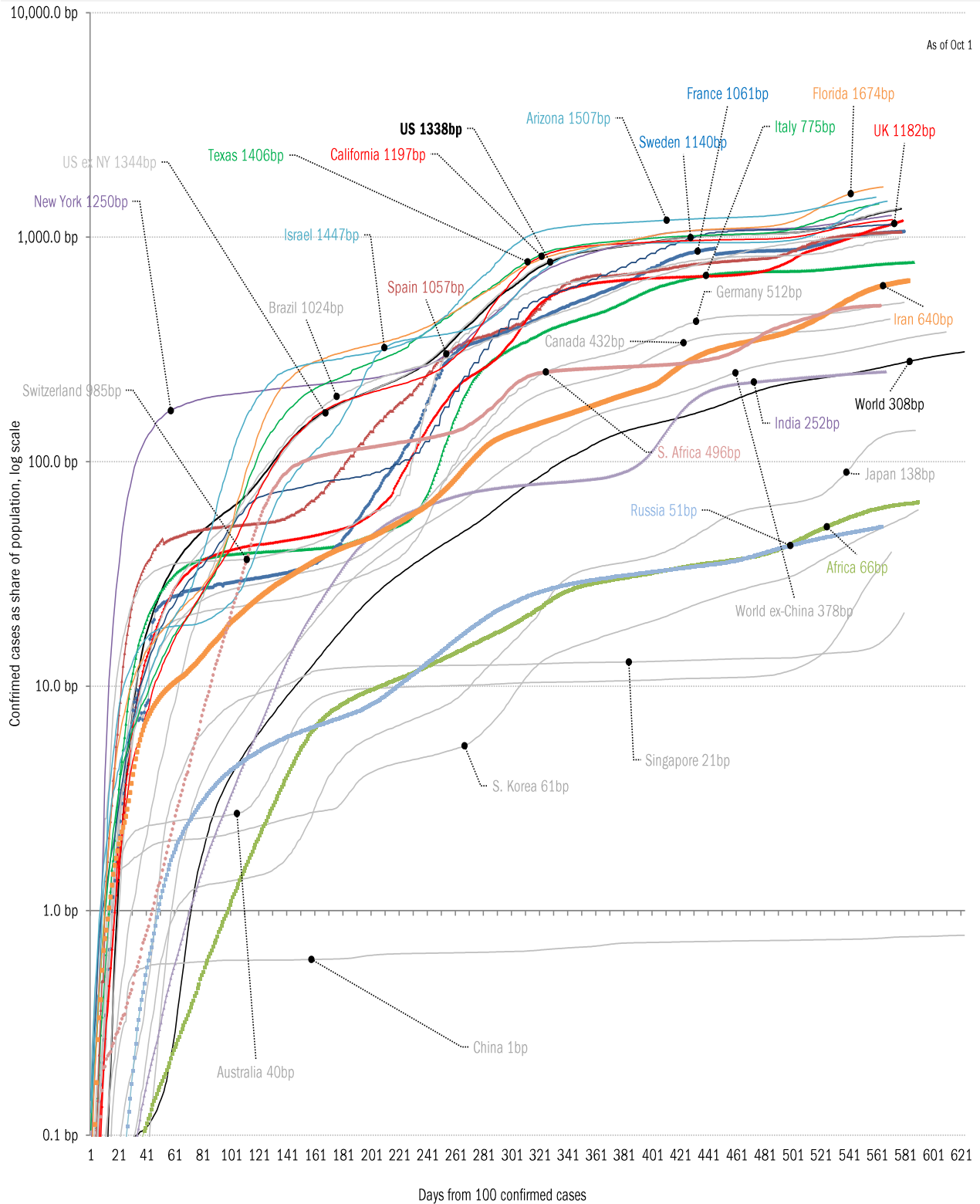
Paul Duggan and Alex Horton
Washington Post
September 30, 2021

Meme of the day



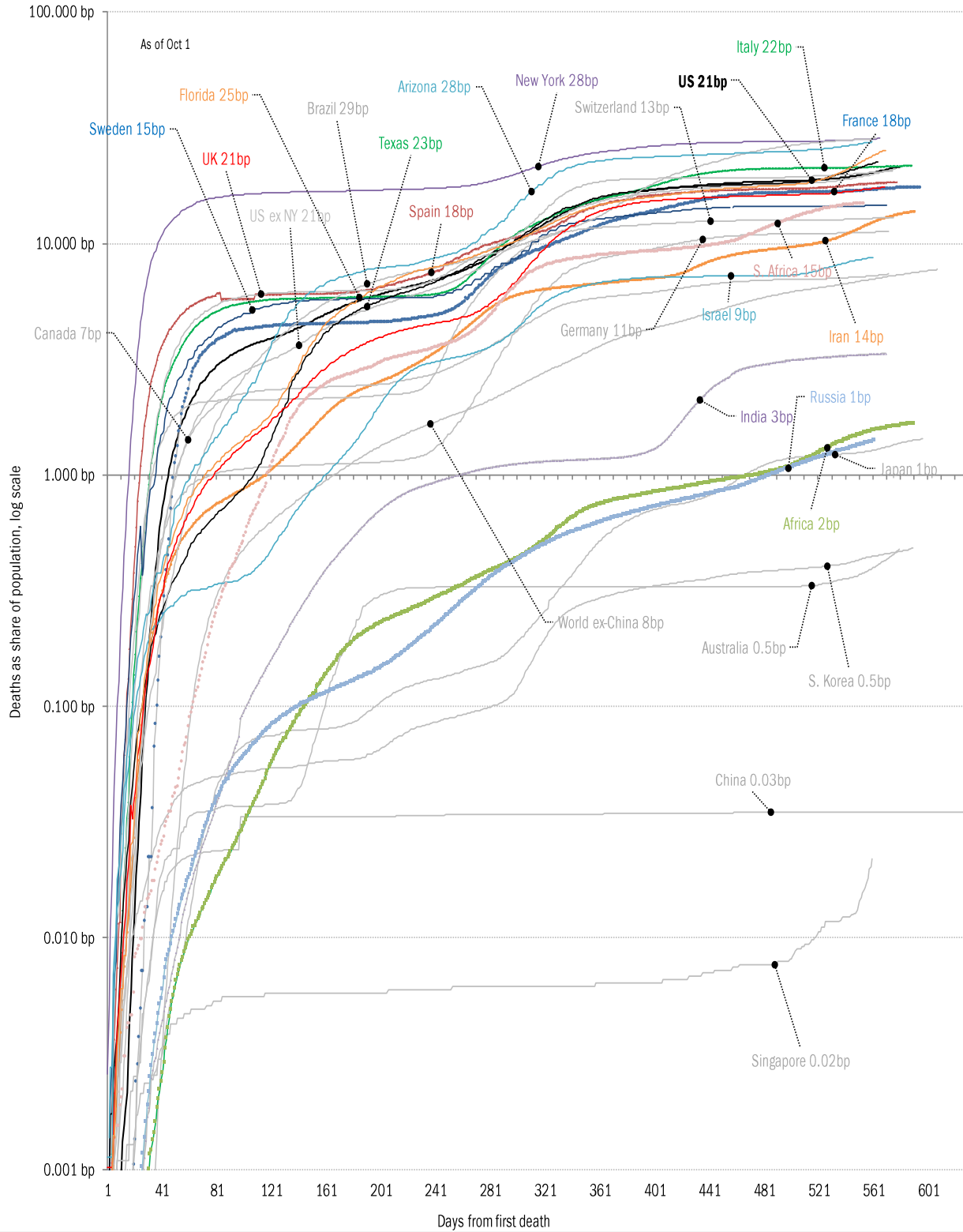
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

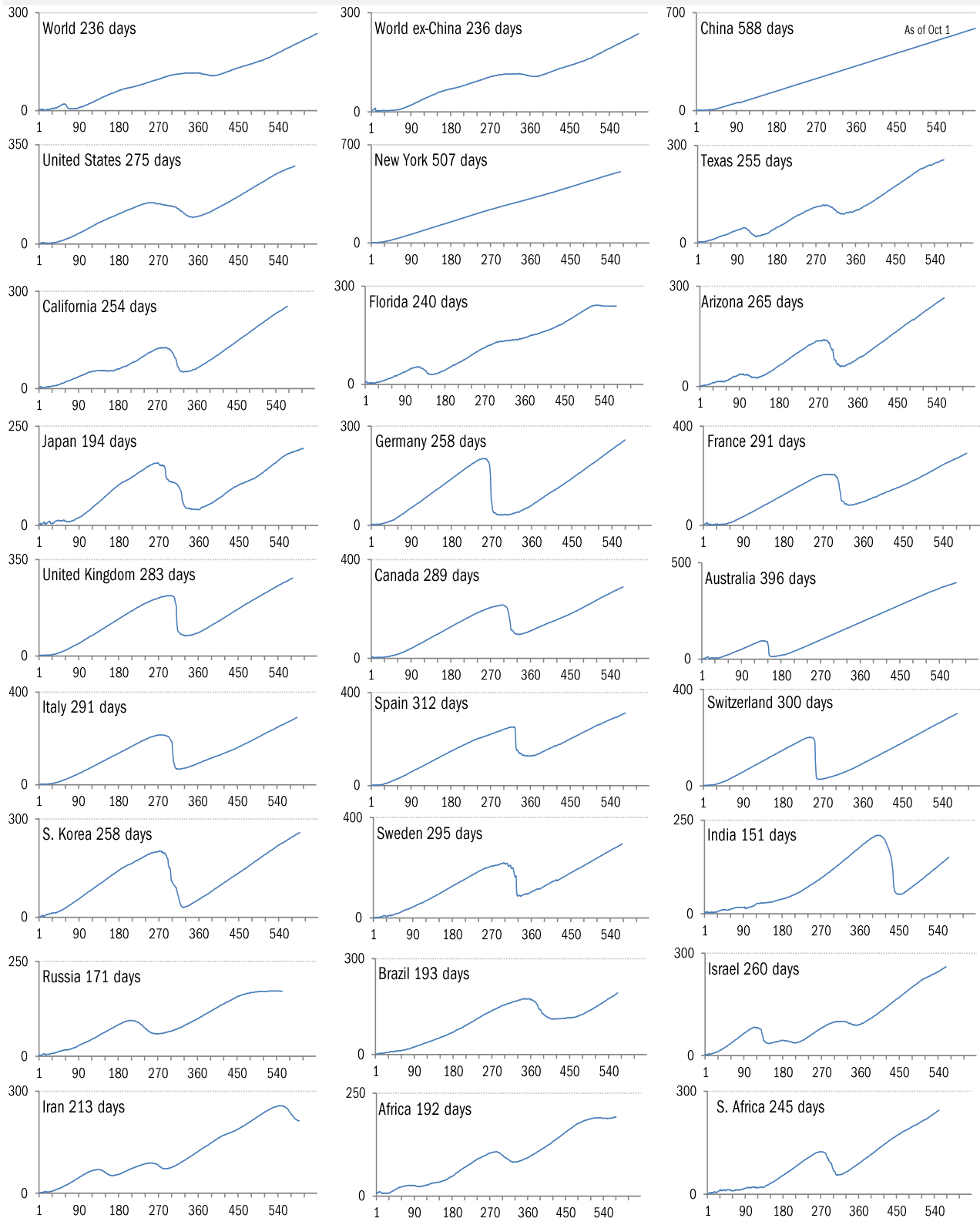


Source: [Johns Hopkins](#), TrendMacro calculations

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

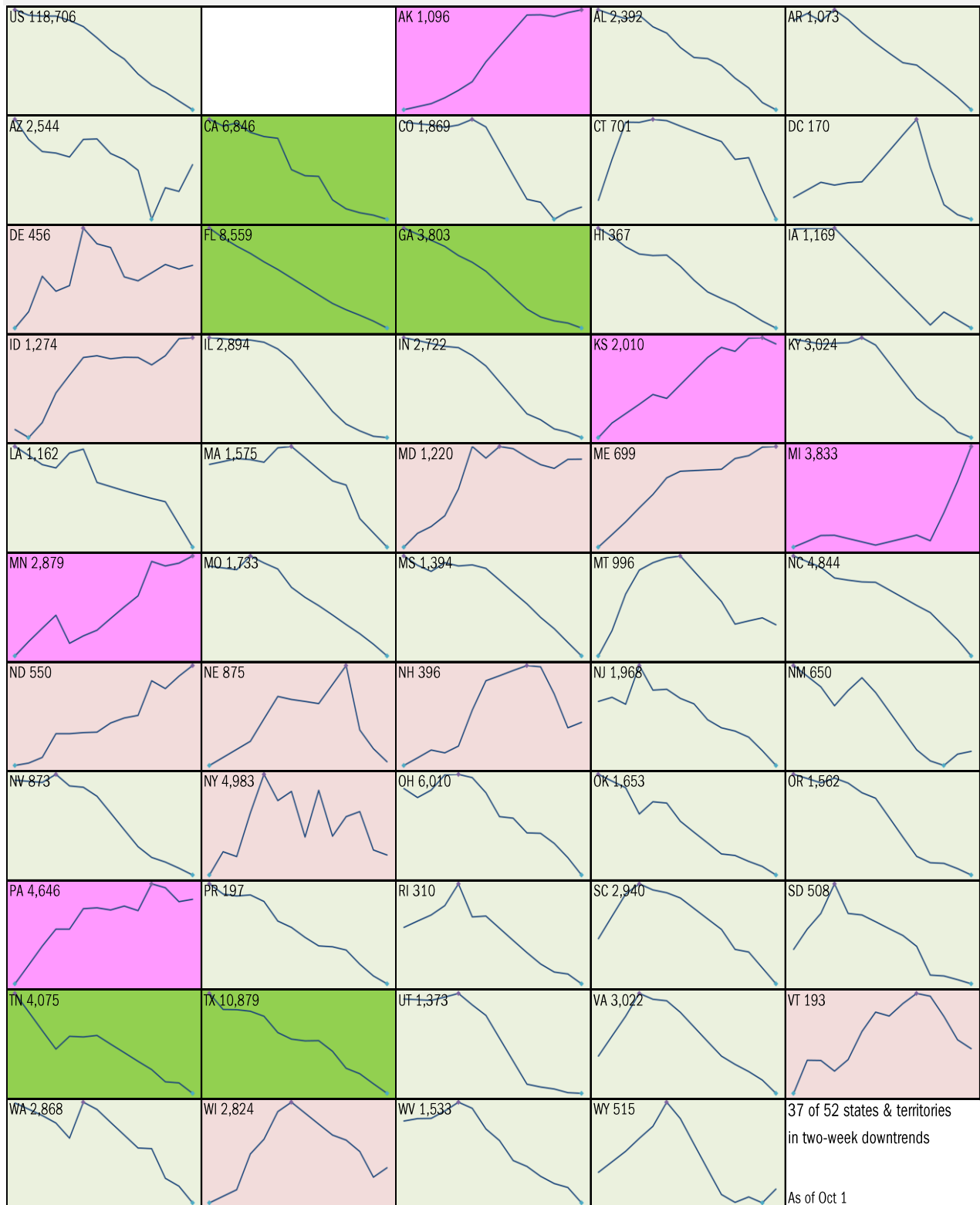


Source: [Johns Hopkins](#), TrendMacro calculations

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

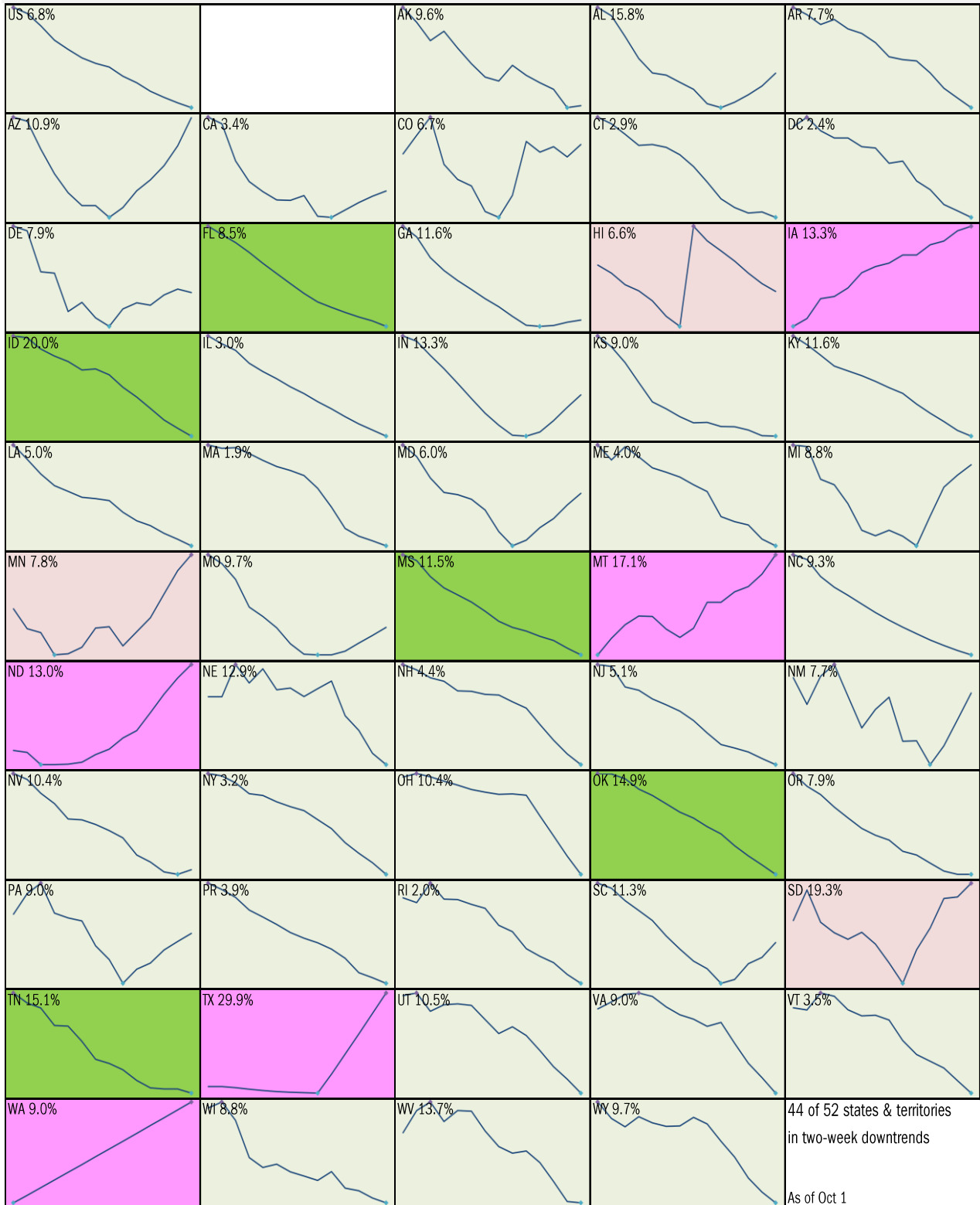


Source: [Johns Hopkins](#), TrendMacro calculations

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

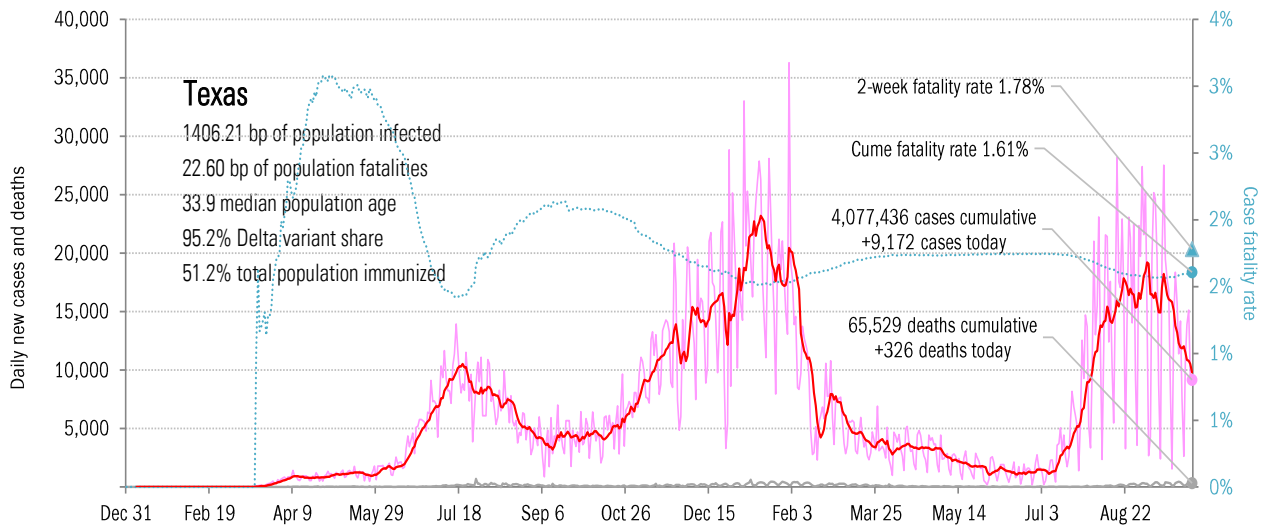
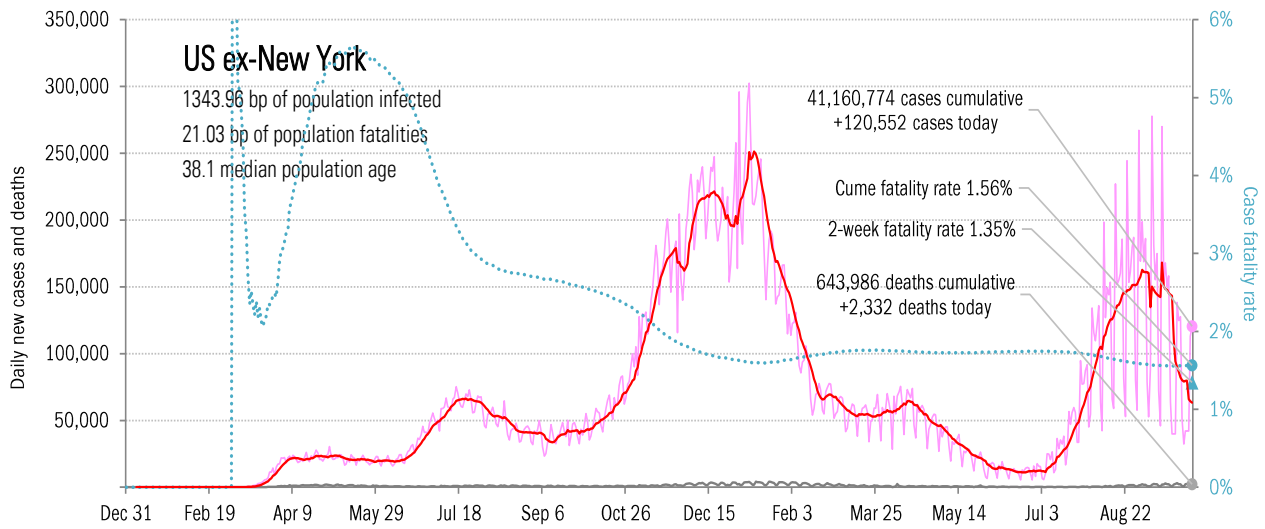
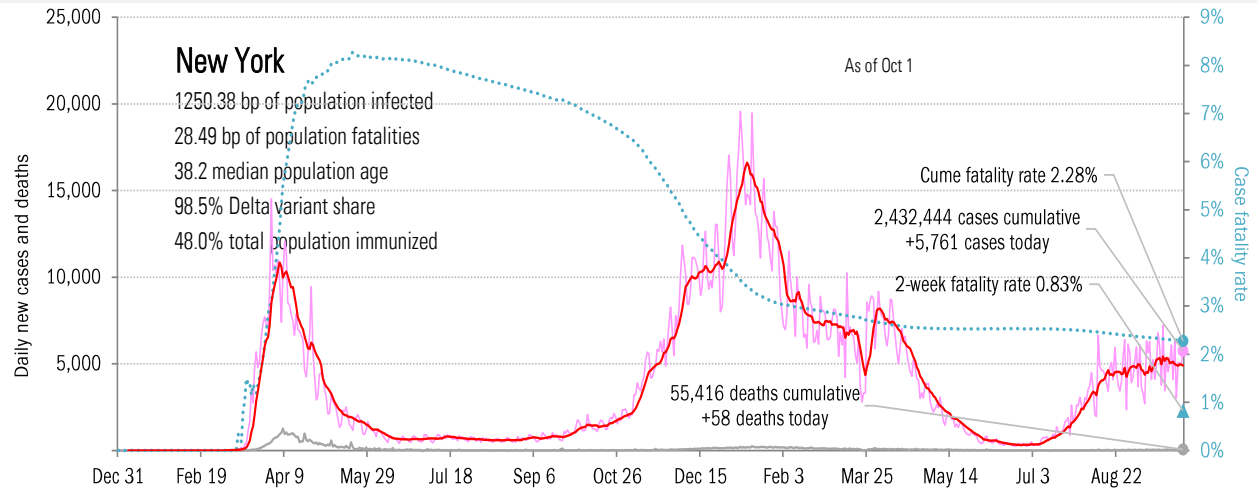
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

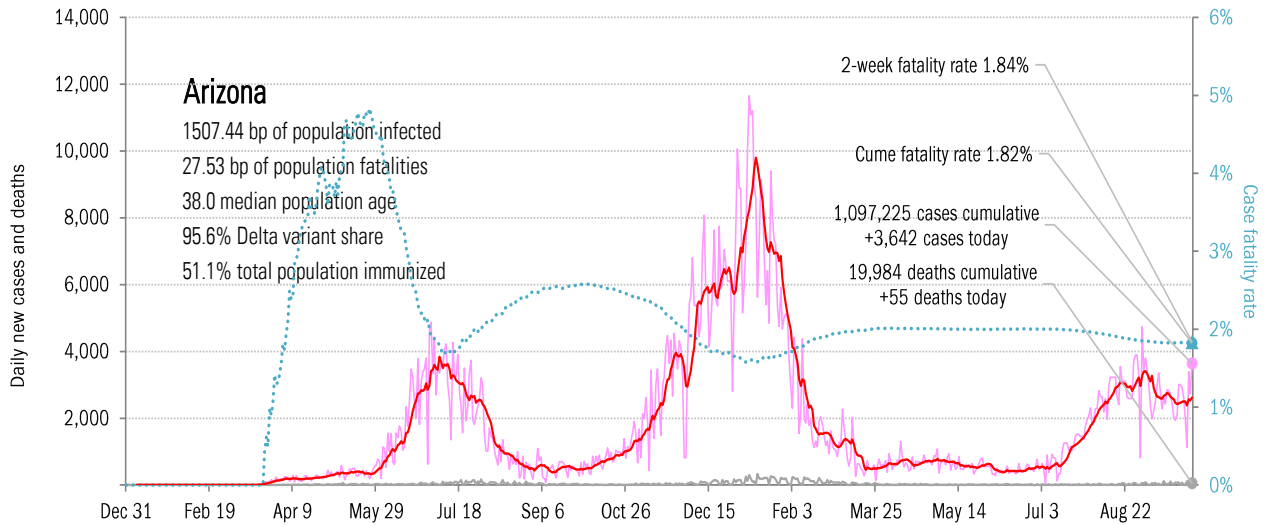
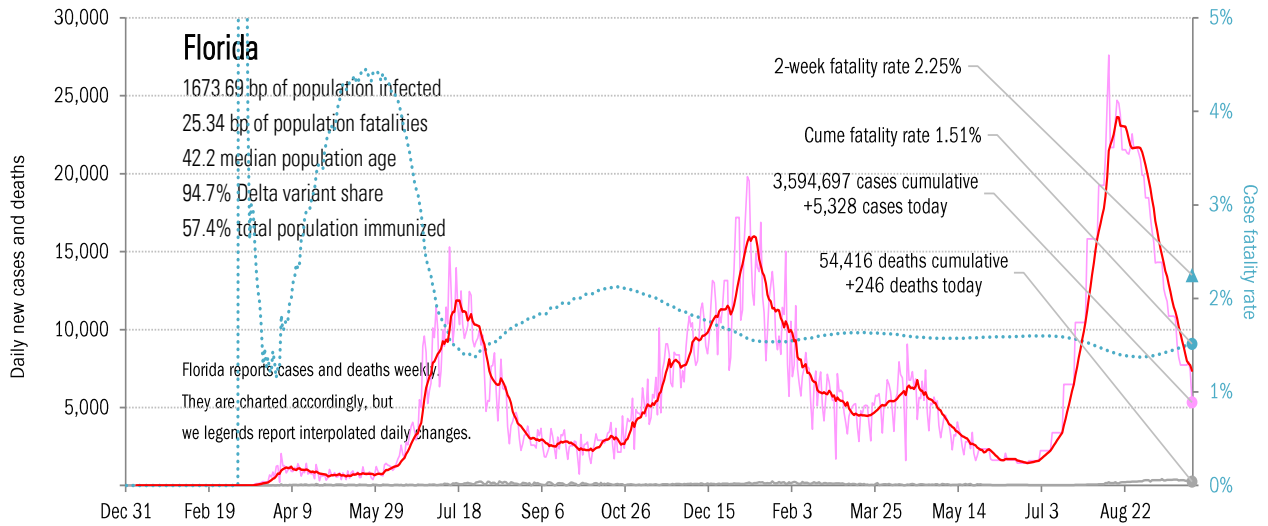
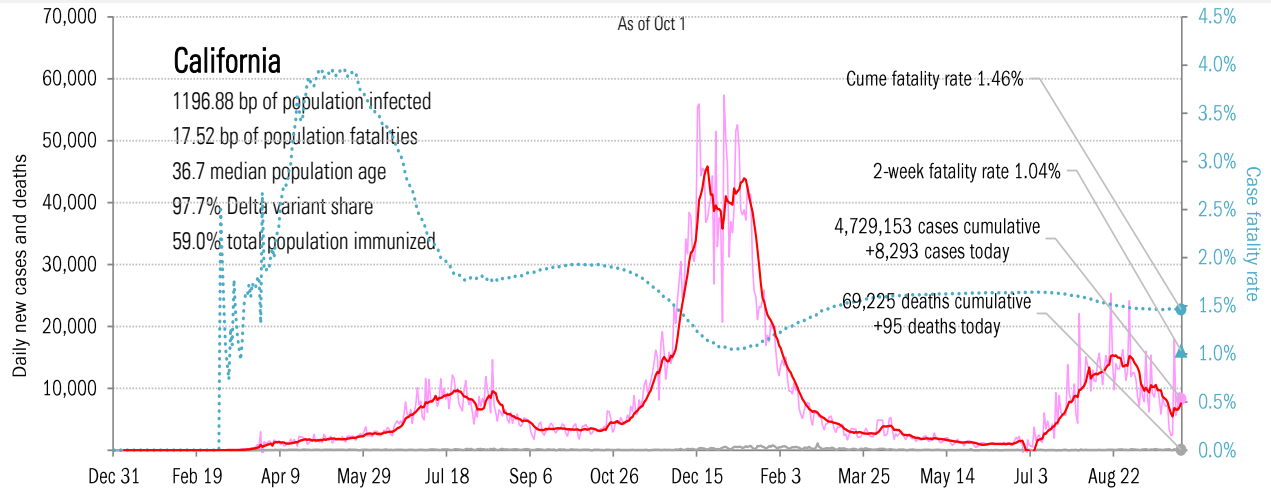
Cases: 7-day average and daily Deaths: Daily



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

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

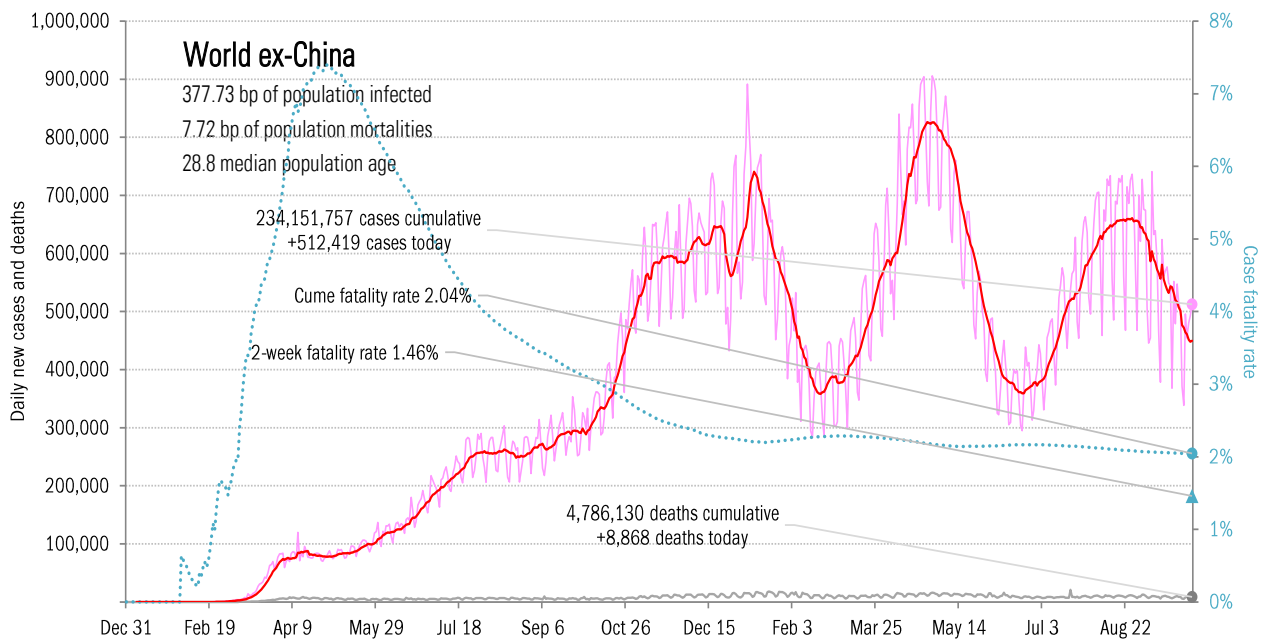
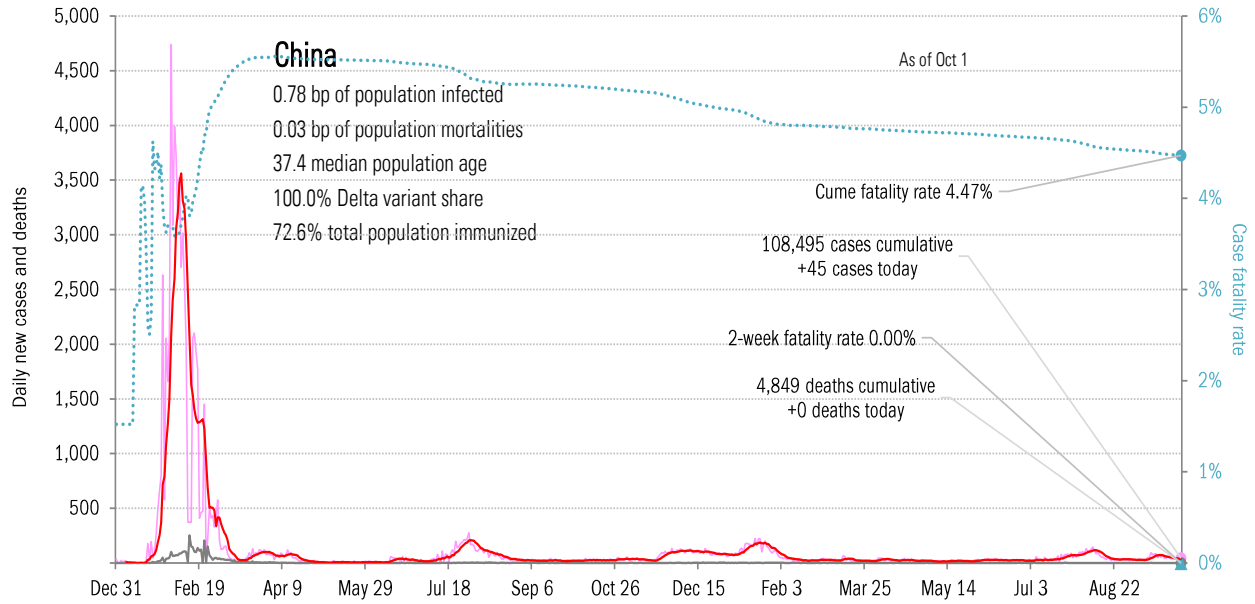
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

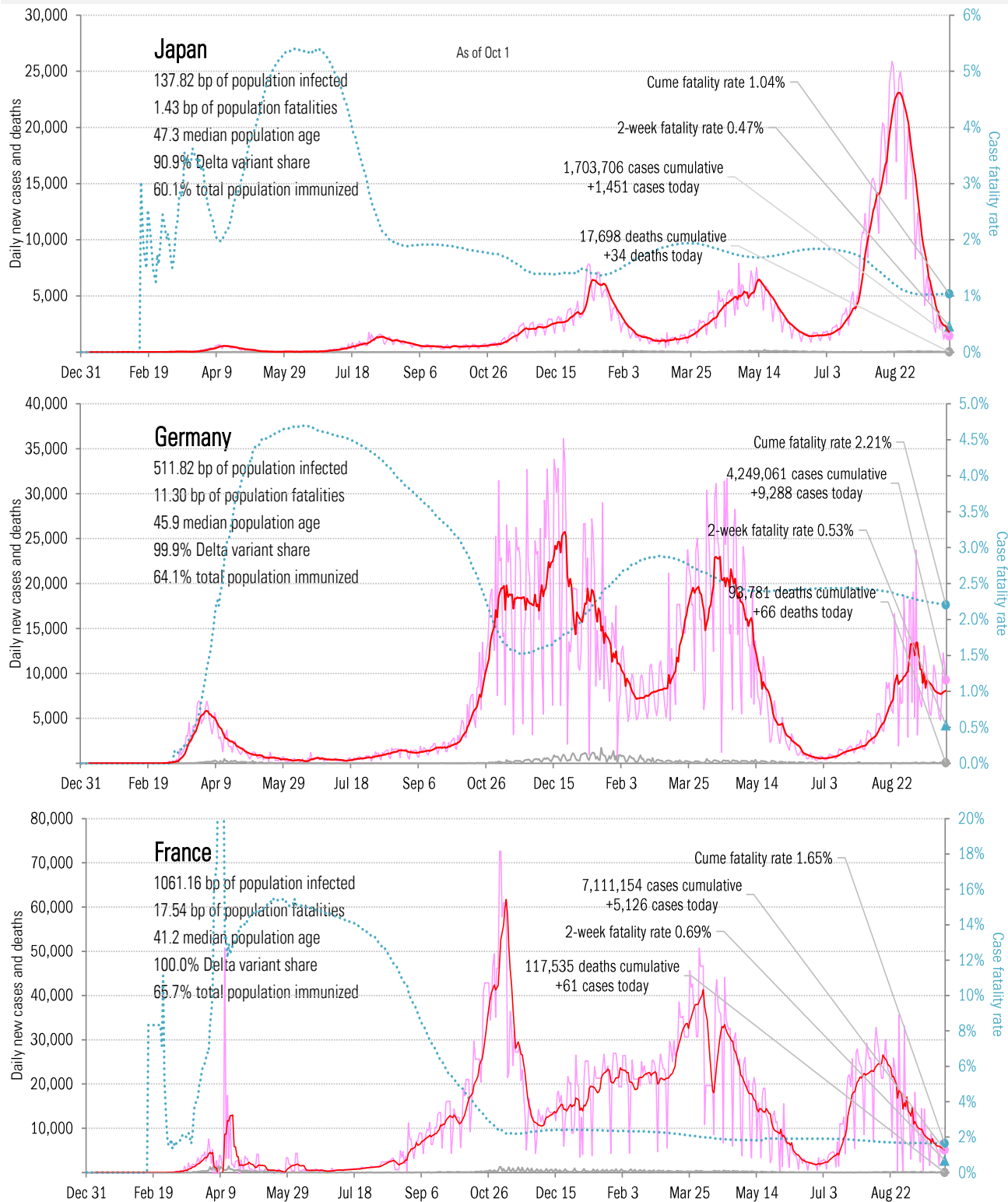
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

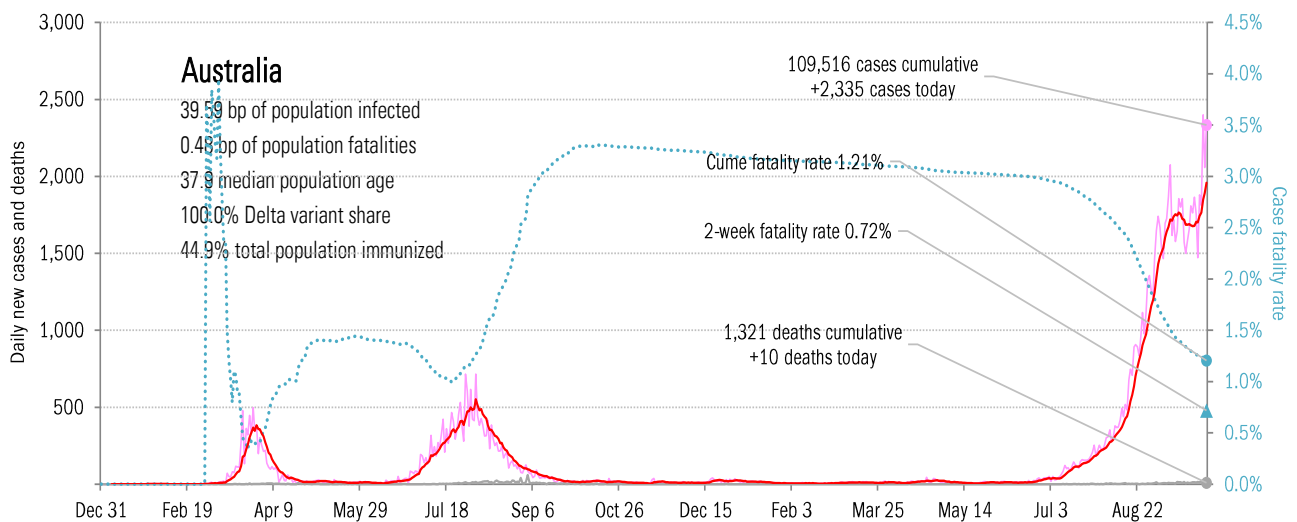
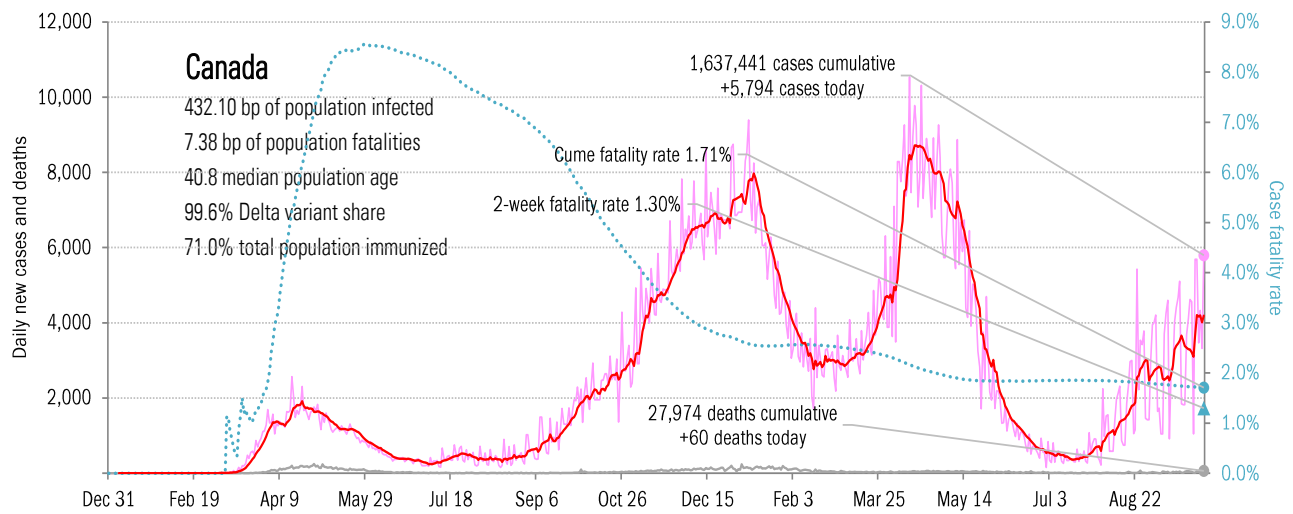
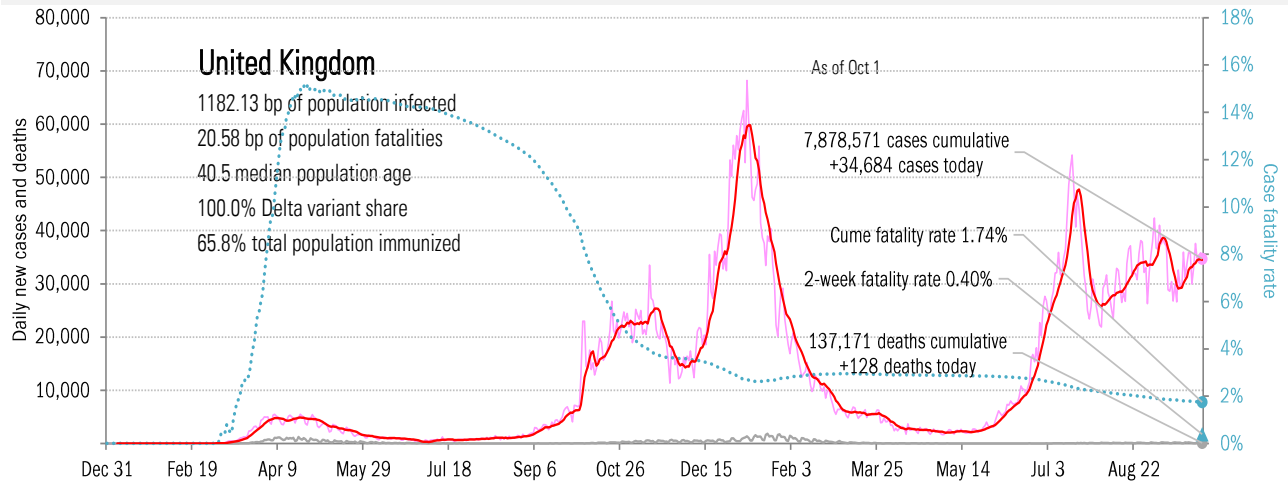
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

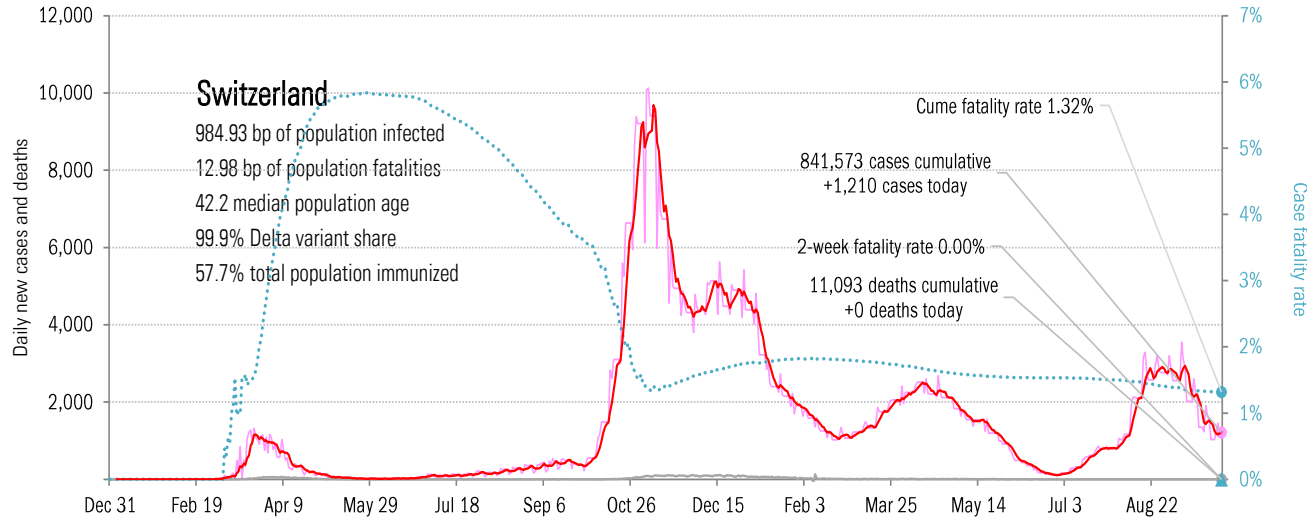
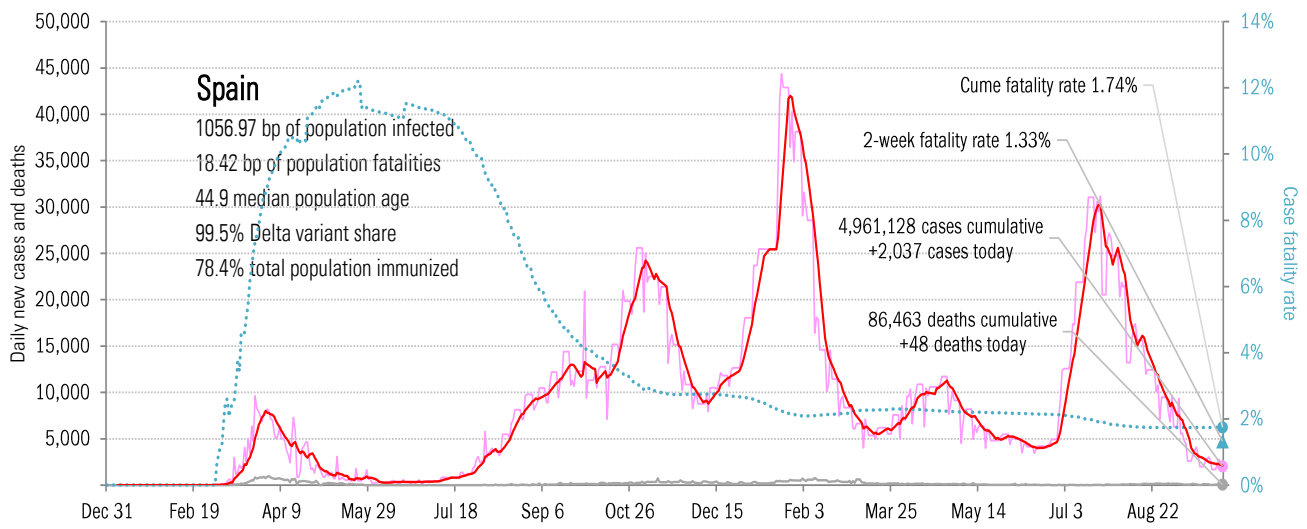
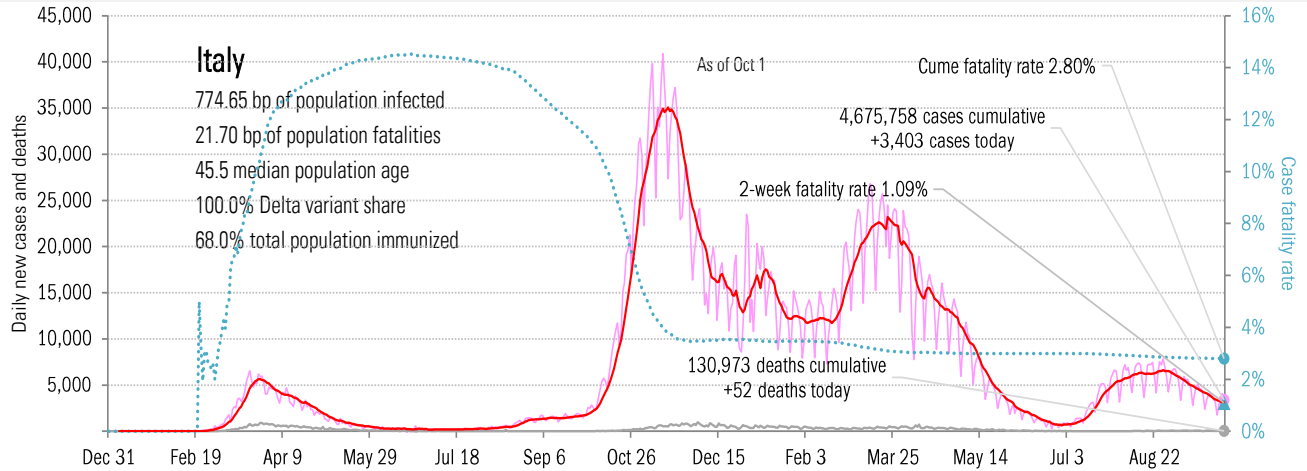
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

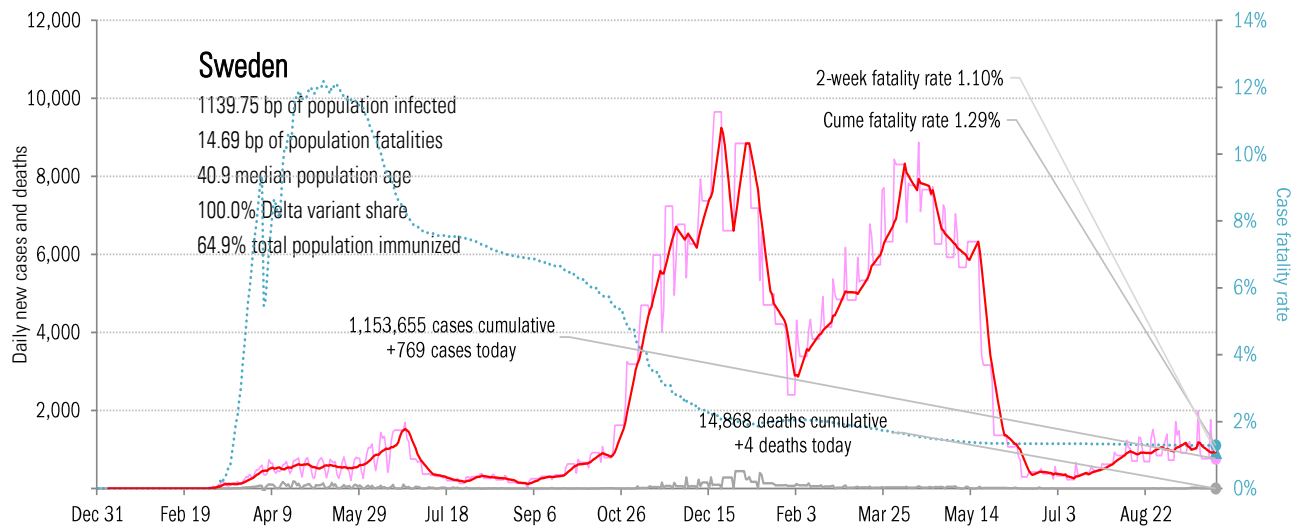
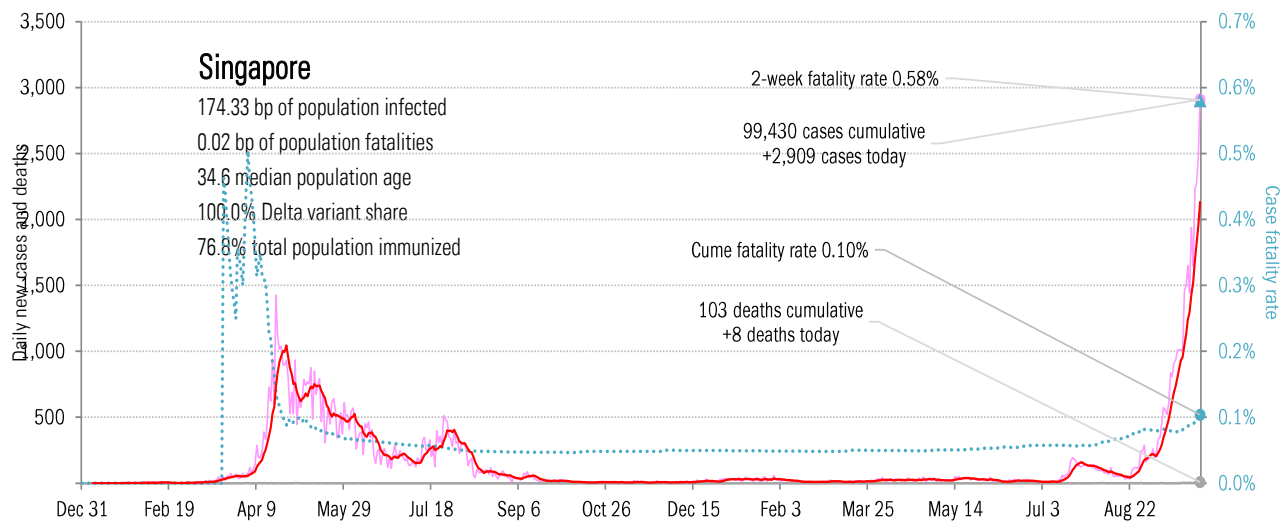
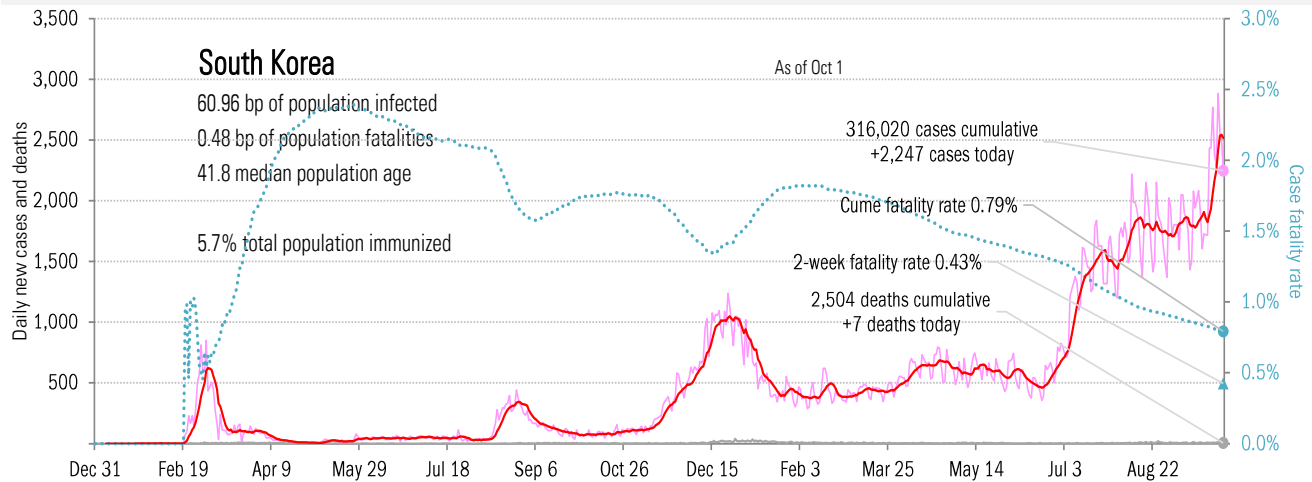
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

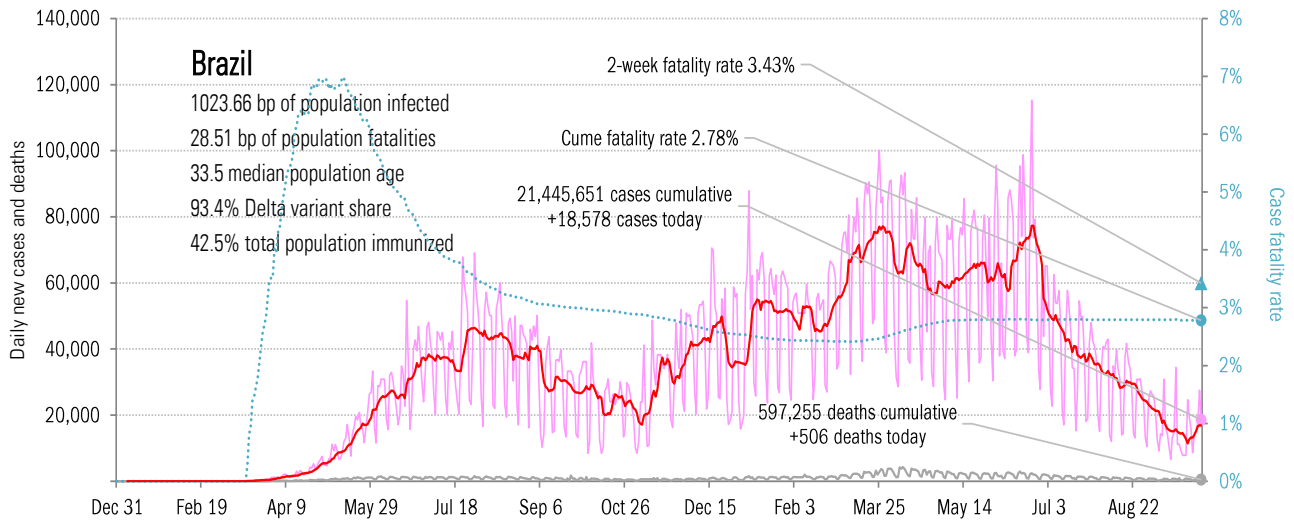
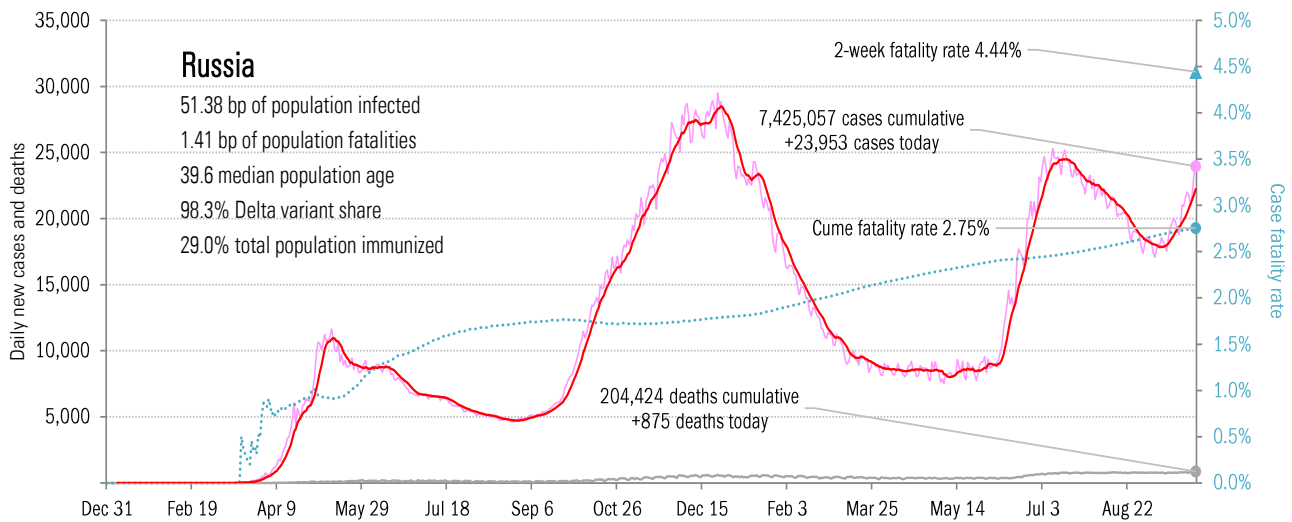
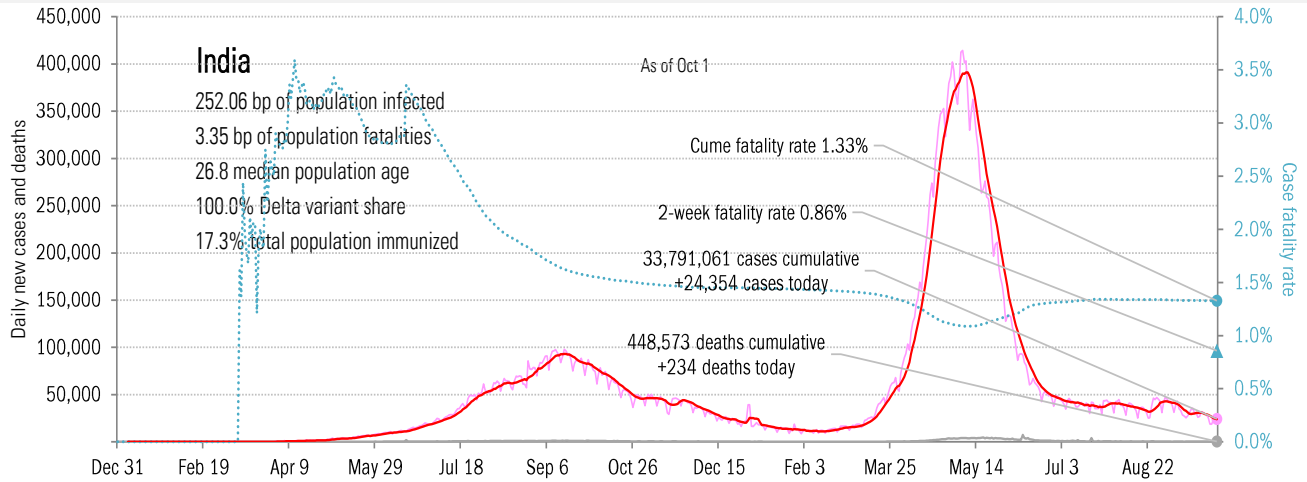
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

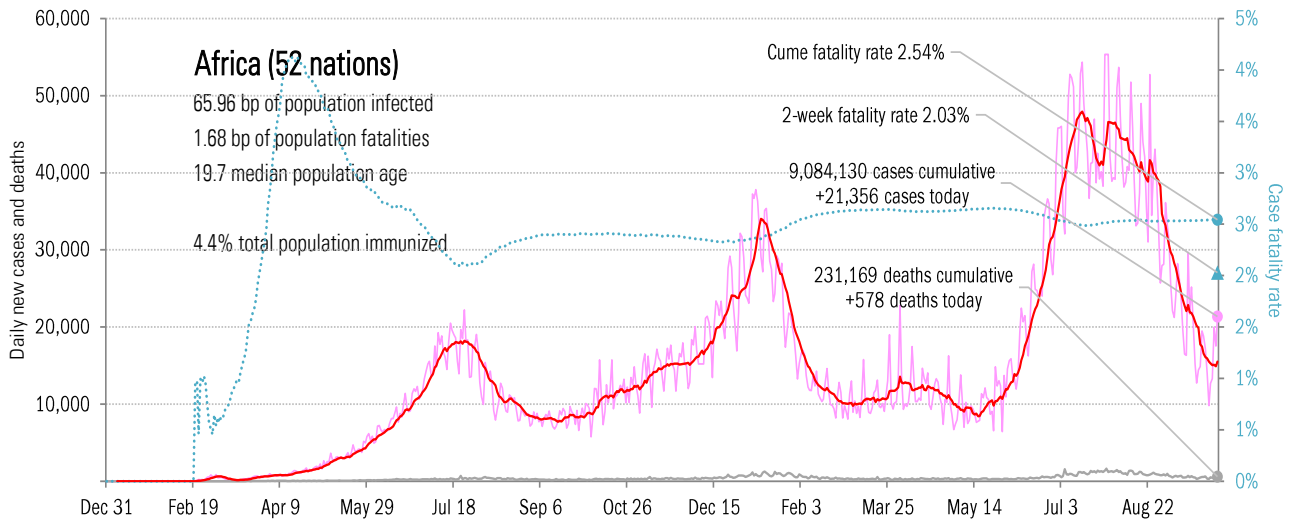
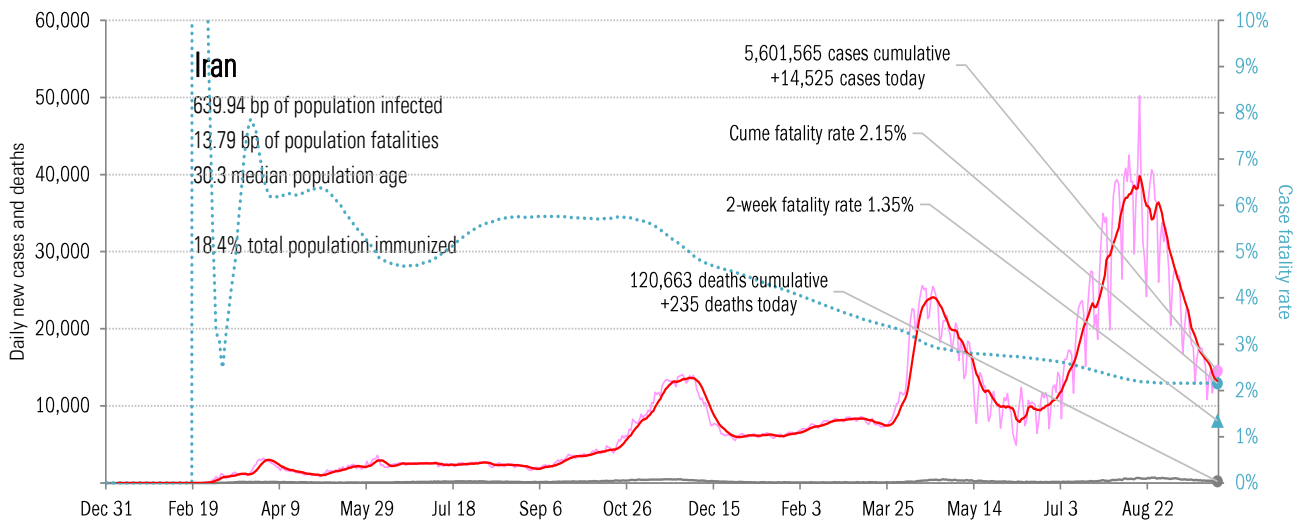
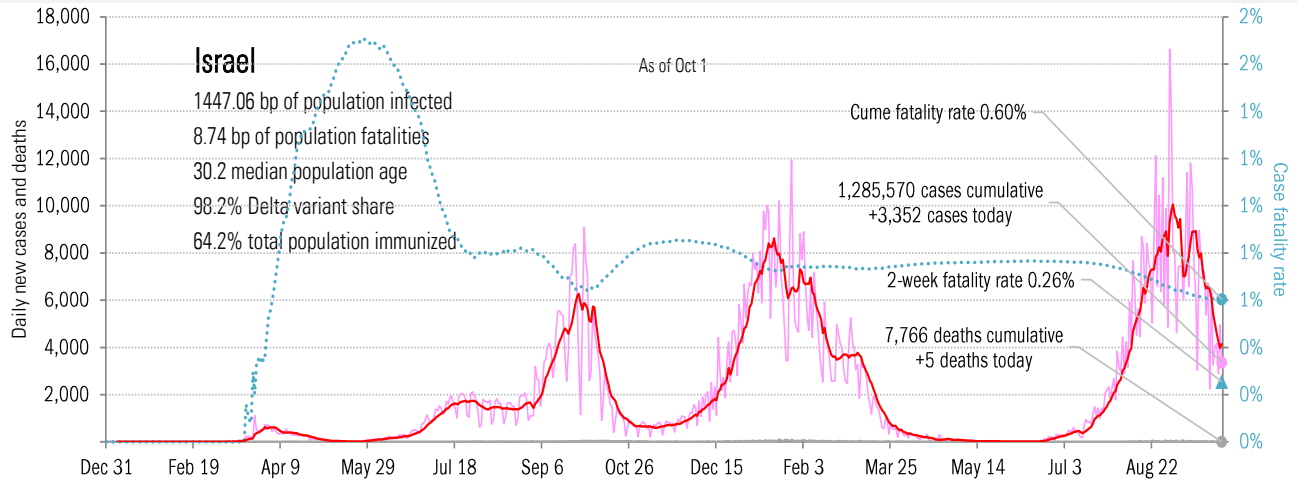
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

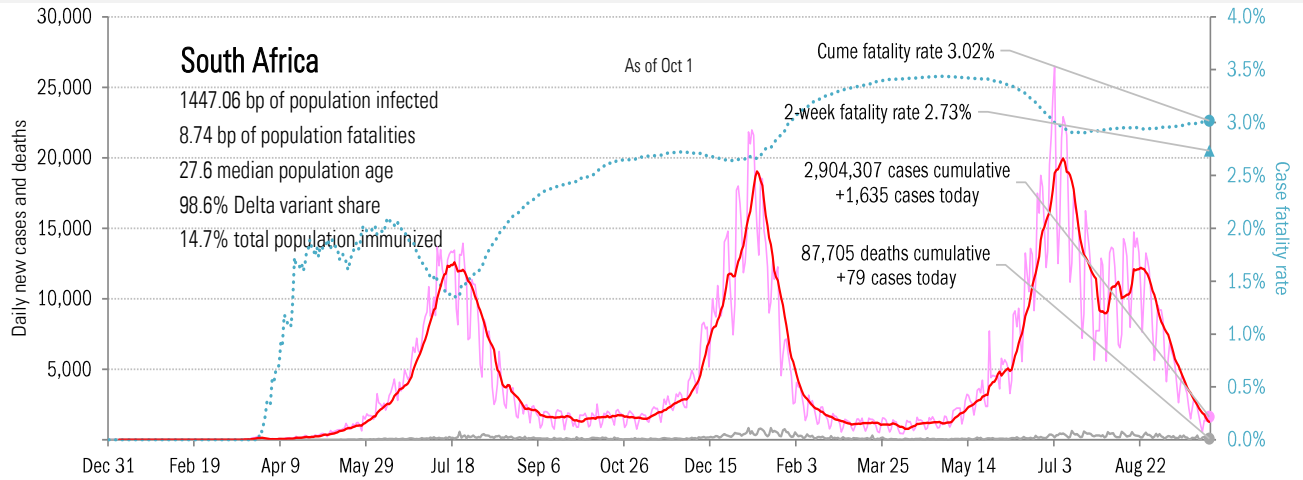
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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