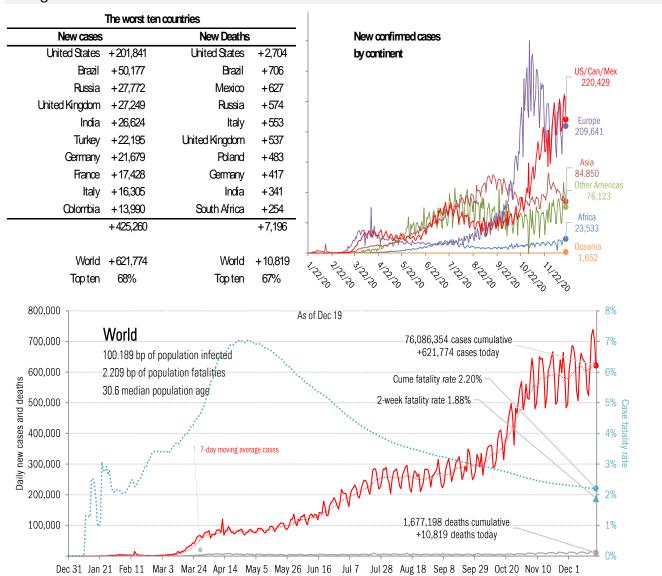


## **Data Insights: Covid-2019 Monitor**

Sunday, December 20, 2020

## The global scorecard



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

#### For more information contact us:

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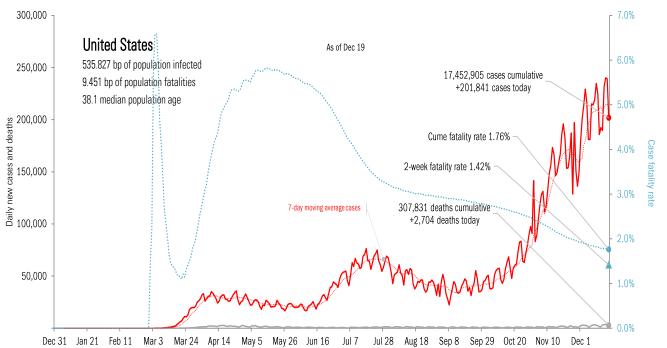
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The US scorecard

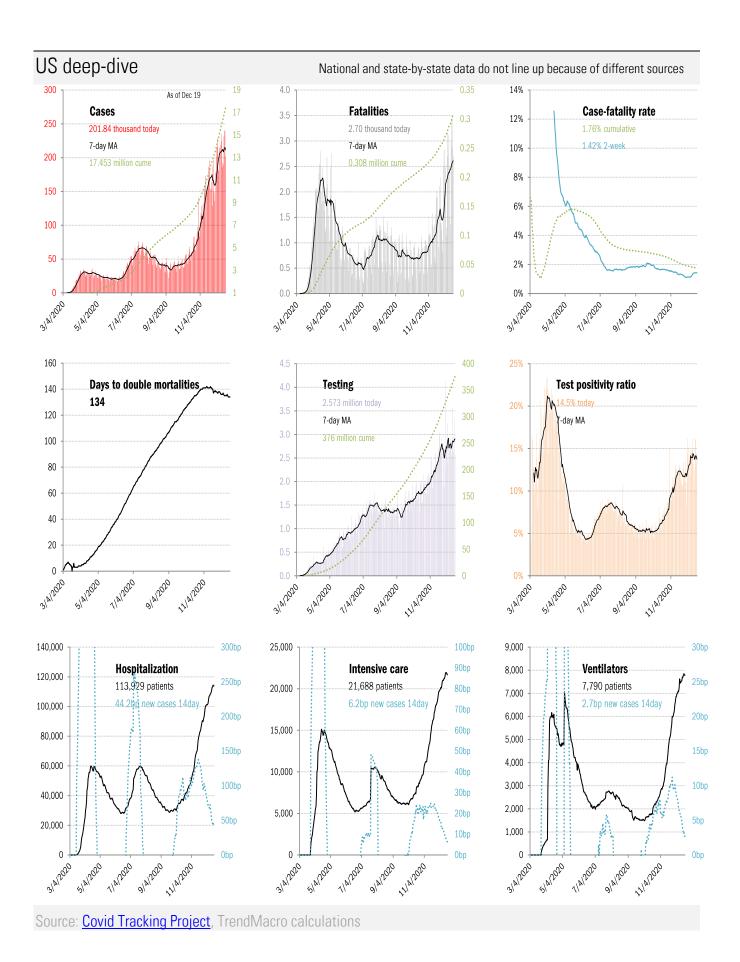
				•	The ten wor	st US states					
New cases		New Deaths		New in hospital		Ourne cases		Cume deaths		Cume in hospital	
CA	+43,608	CA	+272	CA	+433	CA	1,807,982	NY	28,474	NY	89,995
TX	+17,907	TX	+272	NY	+127	TX	1,573,888	TX	25,226	FL.	60,643
FL.	+11,456	PA	+217	MO	+105	FL.	1,173,409	CA	22,432	NJ	45,032
NY	+9,919	MI	+206	TX	+87	IL	894,367	FL.	20,764	GA	39,310
PA	+9,834	NY	+130	AZ	+83	NY	838,085	NJ	18,173	СH	34,553
СH	+8,567	IL	+120	MA	+53	СH	614,429	IL	16,326	AZ	32,676
IL	+7,562	AZ	+118	UT	+30	PA	548,489	PA	13,825	IN	32,271
NC	+6,164	AL	+93	NC	+22	GA	504,501	MI	12,074	AL	30,224
AZ	+5,560	WI	+90	VA	+20	TN	503,651	MA	11,657	MD	24,422
IN	+4,732	IA	+82	OR	+15	MI	496,056	GA	10,381	MN	20,468
	+125,309		+1,600		+975		8,954,857		179,332		409,594
All states	+201,841	All states	+2,704	All states	-+26	All states	17,452,905	All states	307,831	All states	641,484
Top ten	62%	Top ten	59%	Top ten	-3750%	Top ten	51%	Topten	58%	Top ten	64%
										Some states no	ot reporting

Five most improved US states

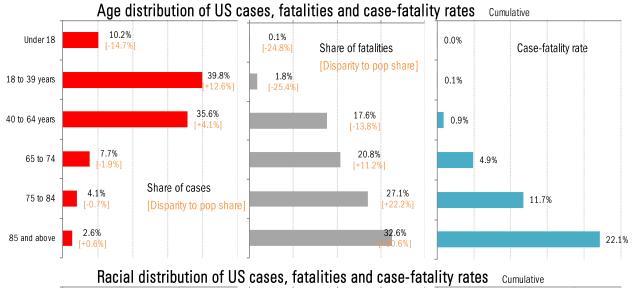
rive inost improved us states											
Fewer daily cases		Fewer new deat	hs	Fewer new hosp	oitalizations	Most recoveries					
TN	-10,421	TN	-115	AL	-151	MI	+48,362				
KS	-5,857	L	-101	R.	-136	TX	+15,645				
LA	-3,113	KS	-88	CA	-106	PA	+11,385				
NY	-2,778	WA	-88	GA	-87	CH	+9,614				
CT	-2,680	LA	-30	СН	-65	MN	+4,752				
300,000							7.0%				

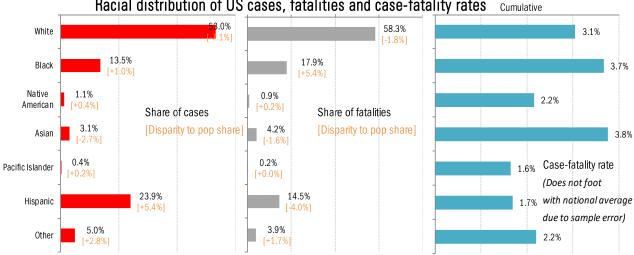


Source: Covid Tracking Project, TrendMacro calculations

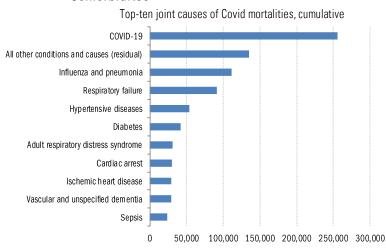


# US deep-dive on the demographics of age, race and health





#### Comorbidites



For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

# Recommended reading

# <u>U.K.'s Hancock Says New Covid Mutation Is 'Out of</u> Control'

Kitty Donaldson Bloomberg December 20, 2020

#### Update on the Swedish covid response

Sebastian Rushworth Sebastian Rushworth December 19, 2020

## The U.S. Media Are Suppressing the Truth about Hydroxychloroquine

C. Boyden Gray

American Greatness

December 18, 2020

#### Stop the Spread, Know your Risk

Covid Forecaster
December 2020

# Meme of day



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# NBC Fact check: Coronavirus vaccine could come this year, Trump says. Experts say he needs a 'miracle' to be right.



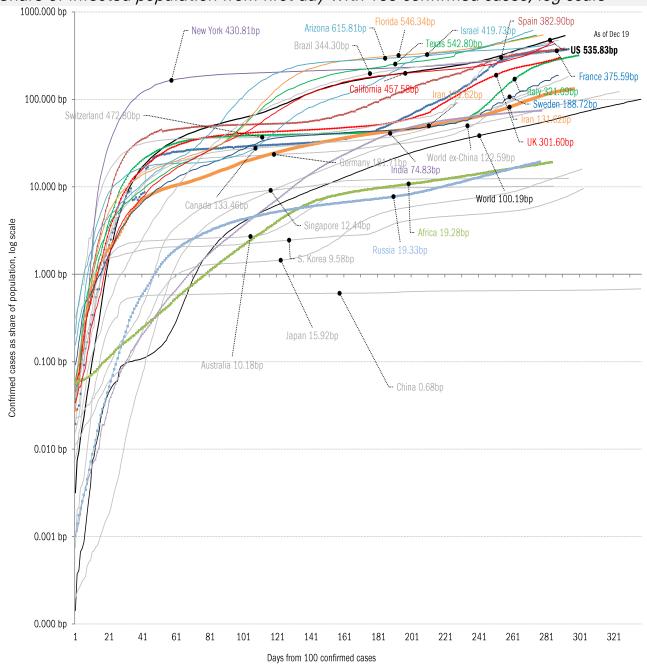
Fact check: Trump needs 'miracle' to be right about rosy vaccine timeline, exp...
"There's a lot of things that could go wrong," one expert said.

Sometimes needs 'miracle' to be right about rosy vaccine timeline, exp...

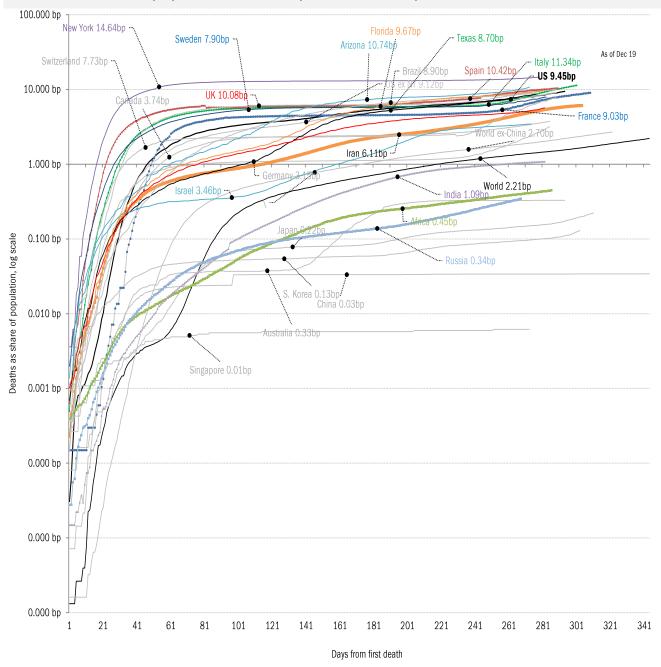
There's a lot of things that could go wrong," one expert said.

Source: Our beloved clients, and Power Line blog "The Week in Pictures"

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



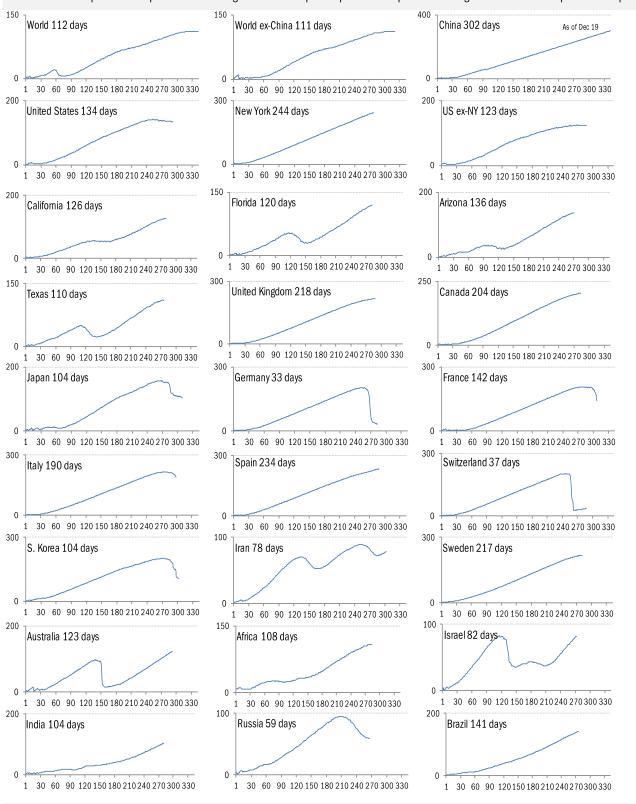
# The coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality*

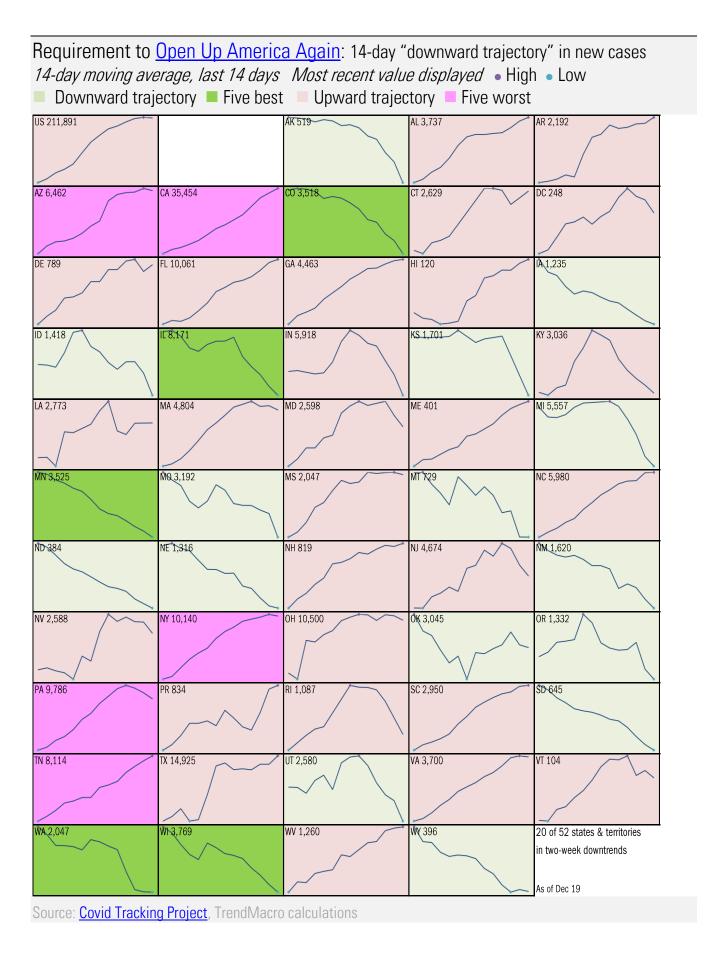


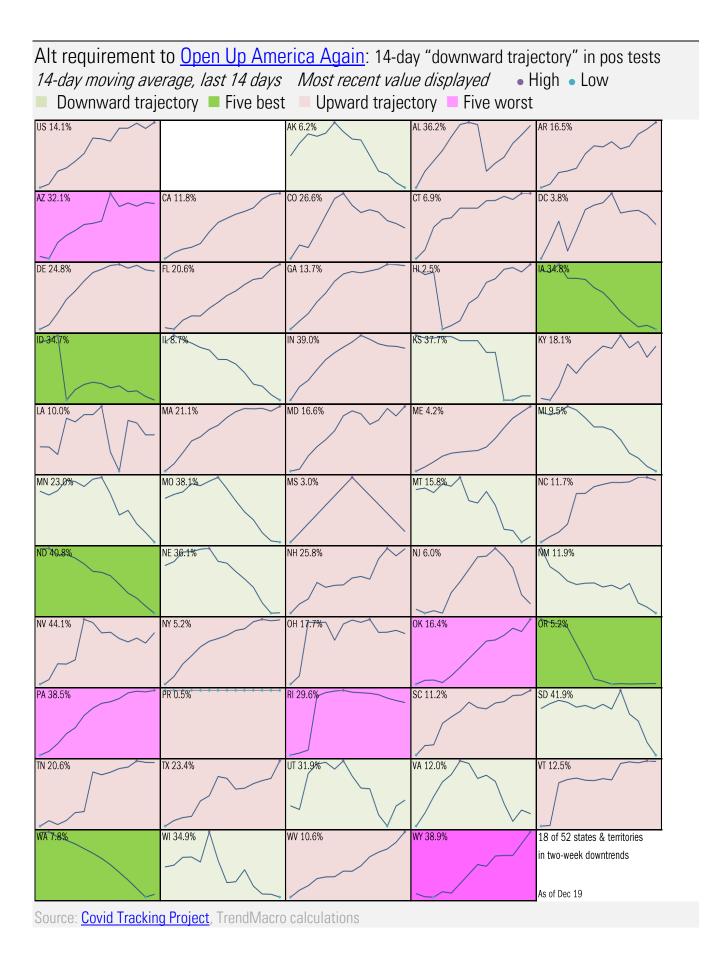
# "Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

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

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





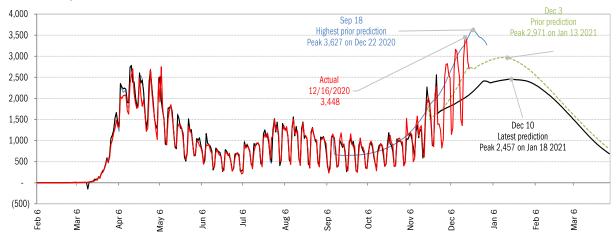


# Reality-checking the models: actuals versus **IHME** predictions

New daily fatalities

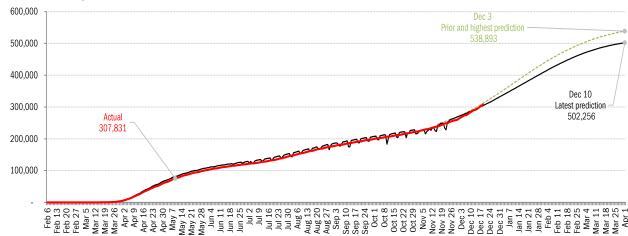
As of Dec 19

Actual versus first, highest, lowest and latest model mean predictions

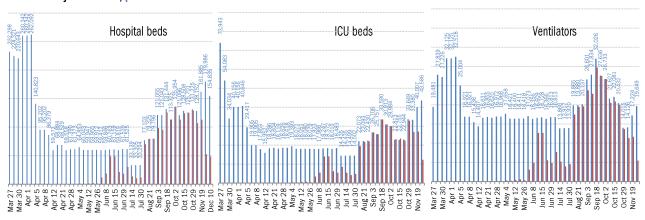


#### **Cumulative fatalities**

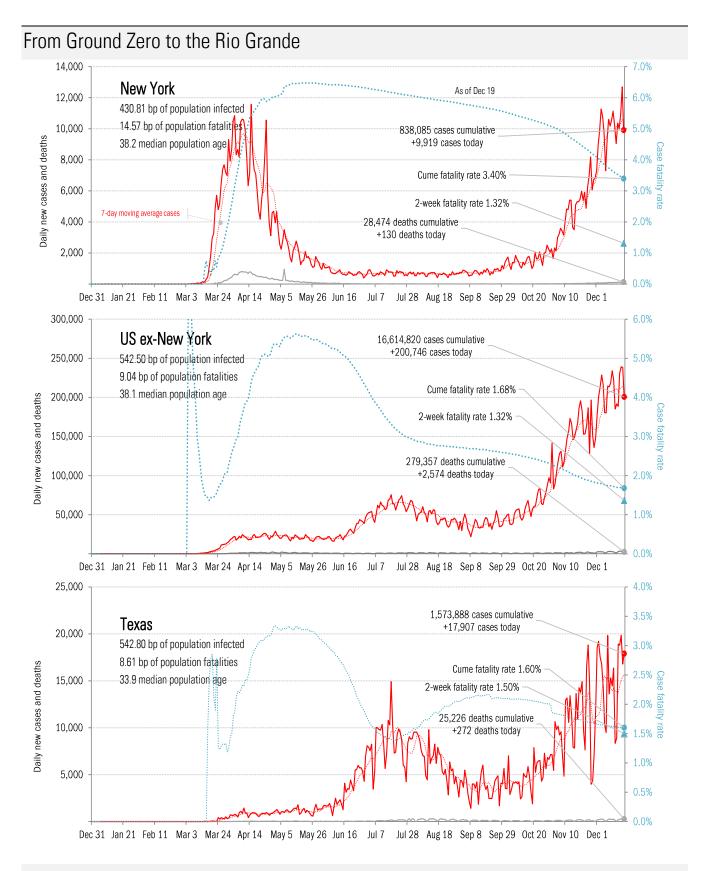
Actual versus first, highest, lowest and latest model mean predictions



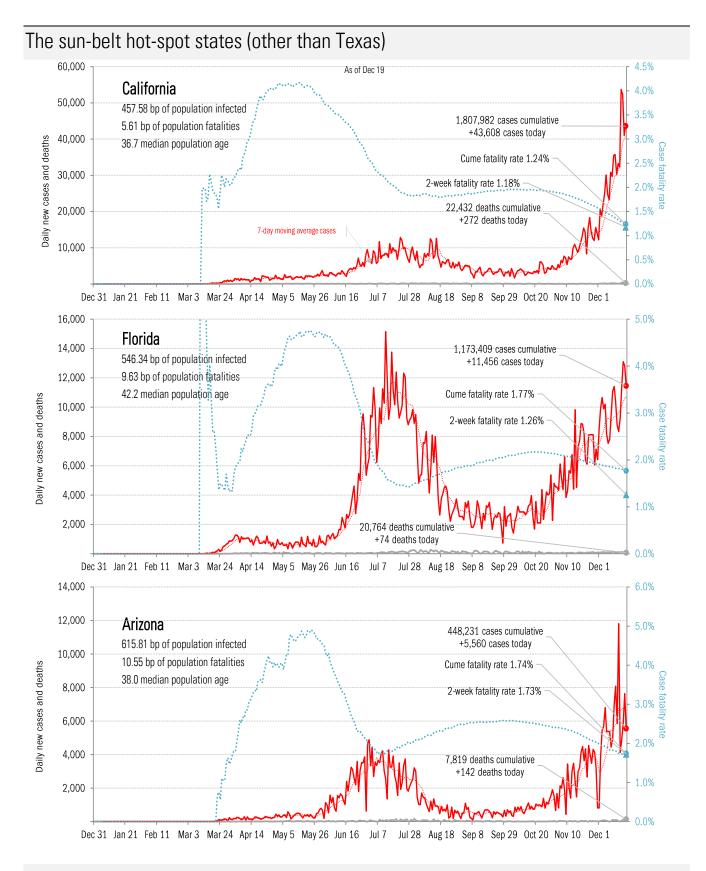
#### Healthcare system stress, peak and ultimate estimated at each model revision



Source: IHME, Covid Tracking Project, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations

