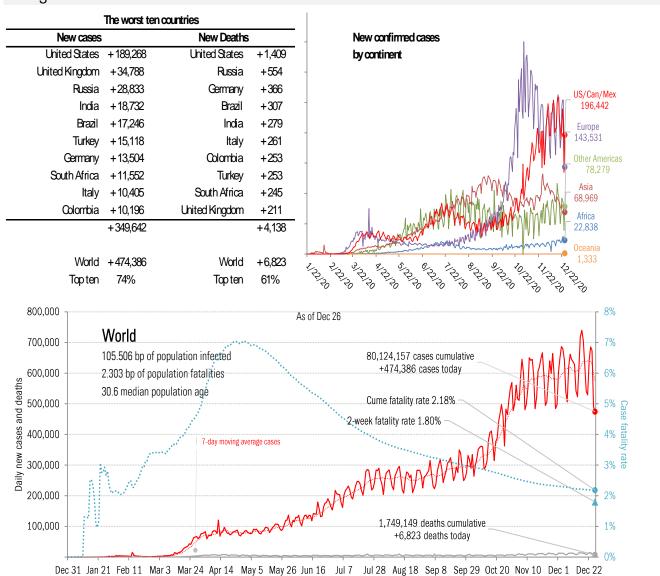


Data Insights: Covid-2019 Monitor

Sunday, December 27, 2020

The global scorecard



For more information contact us:

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

Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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The US scorecard

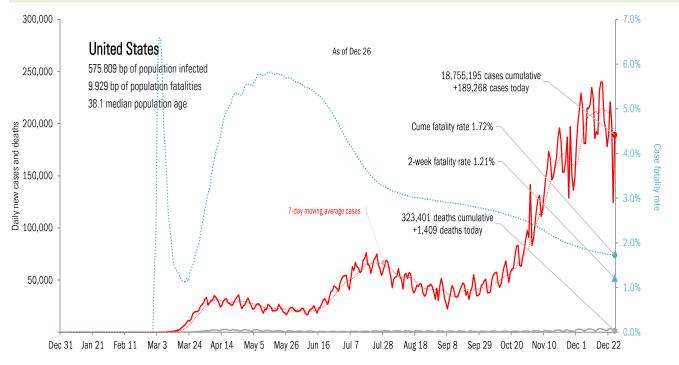
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New cases New Deaths		aths	New in hospital		Qume c	Oume cases		Cume deaths		hospital	Hospital use		ICU use		
CA	+30,375	MI	+275	FL.	+190	CA	2,072,665	NY	29,396	NY	89,995	RI	90%	NM	96%
NC	+19,419	NC	+166	GA	+109	TX	1,660,551	TX	26,421	FL.	62,118	GA	84%	NV	91%
FL.	+16,588	FL.	+142	CA	+26	FL.	1,243,118	CA	23,983	NJ	46,257	MD	82%	AL	91%
TN	+14,395	NY	+126	AL	+5	IL	934,142	FL.	21,437	GA	40,648	DC	82%	R	90%
CH	+11,018	SC	+81	G)	+1	NY	914,522	NJ	18,613	СН	36,513	SC	82%	GA	89%
NY	+10,806	IL	+70	AS	+0	СH	664,668	IL	17,224	ΑZ	35,337	NV	81%	СK	88%
MI	+7,877	KY	+68	CT	+0	PA	605,141	PA	14,883	IN	33,835	FL.	79%	CA	86%
MA	+7,677	MN	+57	Н	+0	TN	560,892	MI	12,690	AL	32,115	CA	79%	MO	85%
PA	+7,581	GA	+54	ID	+0	GA	540,758	MA	12,010	MD	25,717	AZ	79%	DC	85%
AZ	+6,106	MA	+47	KS	+0	MI	516,326	GA	10,685	MN	21,213	MA	78%	TX	84%
	+131,842		+1,086		+331		9,712,783		187,342		423,748				
All states	+189,268		+1,409		-1604	All states	18,755,195		323,401		664,967	All states	73%		78%
Top ten	70%		77%		-21%	Topten	52%		58%		64%	Median	71%		76%

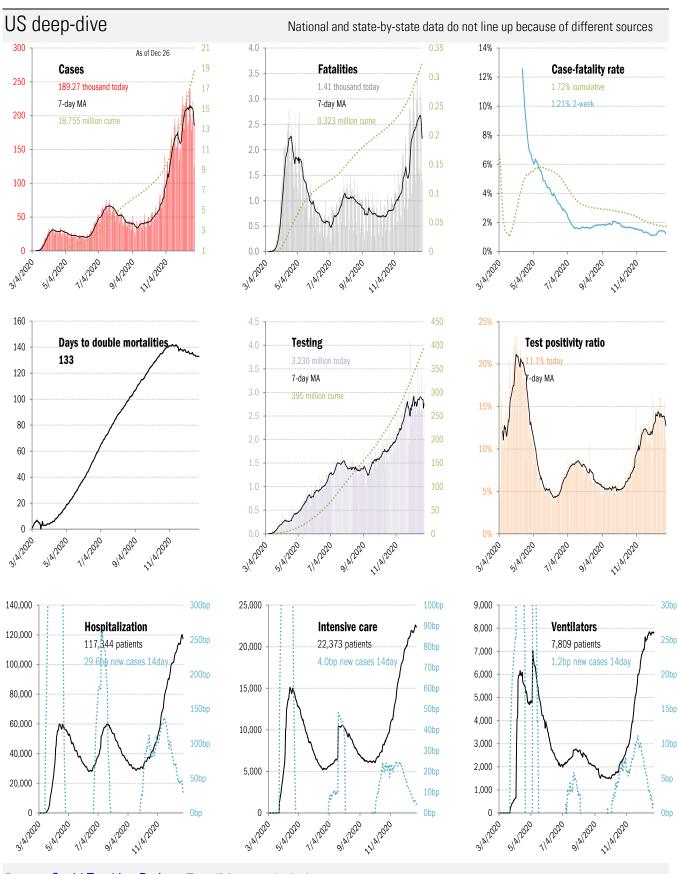
Some states not reporting

Five most improved US states

Ī	Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most recoveries
	CA -8,769	CA -276	TX -239	MI +33,658
	WA -2,891	TX -187	OH -196	OH +20,524
	AL -2,593	IL -124	IL -195	TN +14,006
	VA -2,494	PA -113	MO -154	PA +9,295
	IL -2,449	AZ -100	KY -133	UT +6,629

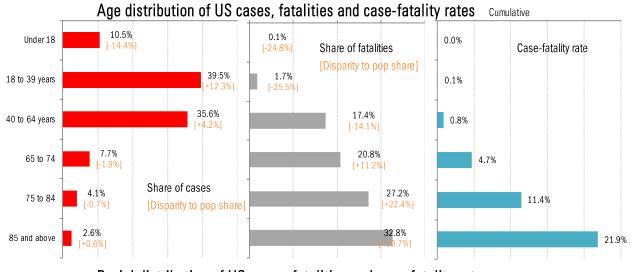


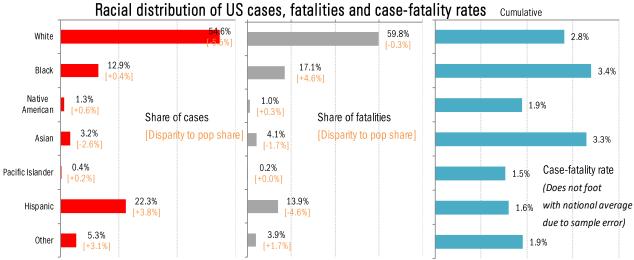
Source: Covid Tracking Project, Dept. of Health and Human Services, TrendMacro calculations



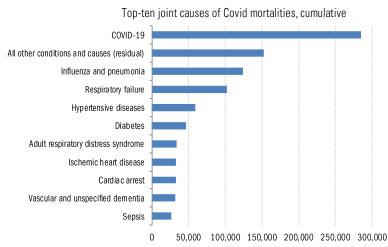
Source: Covid Tracking Project, TrendMacro calculations

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

More Than 4.2 Million Shots Given: Covid-19 Vaccine Tracker

Bloomberg
December 26, 2020

Dad Got the Vaccine, but No One Else Did — Yet

Katherine J. Wu New York Times December 26, 2020 <u>Early Vaccine Doubters Now Show a Willingness to</u> <u>Roll Up Their Sleeves</u>

Jan Hoffman

New York Times

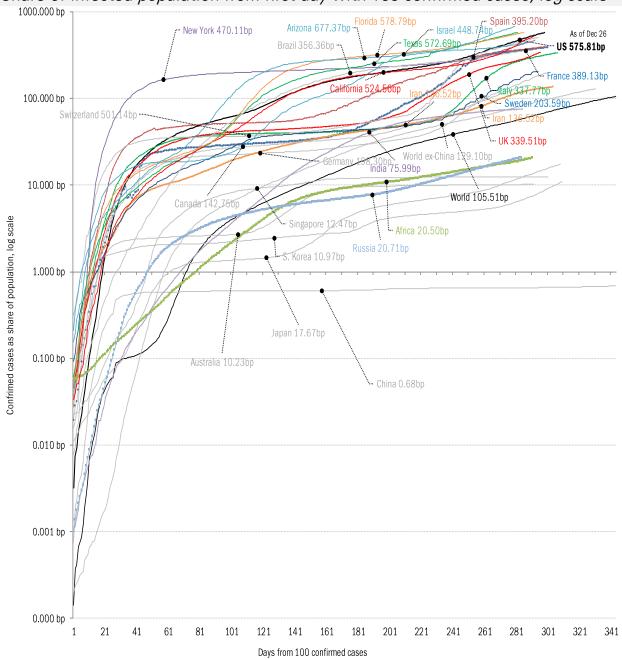
December 26, 2020

Meme of day

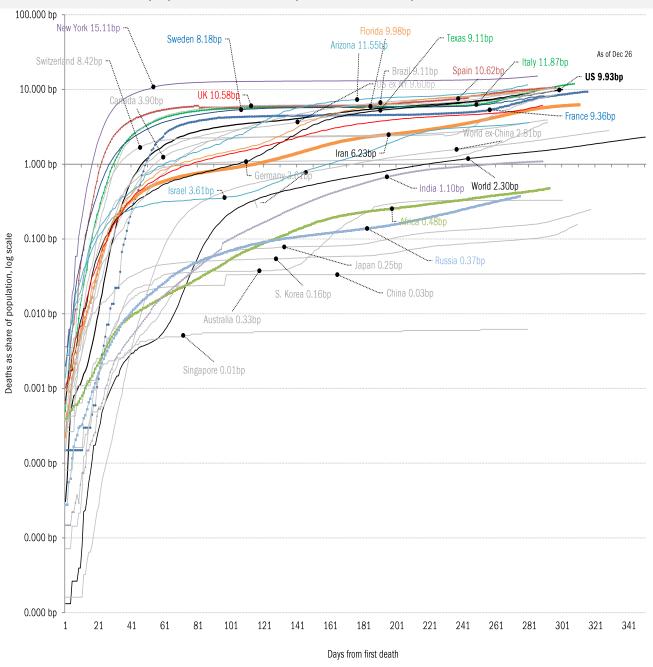


Source: Our beloved clients, and Power Line blog "The Week in Pictures"

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



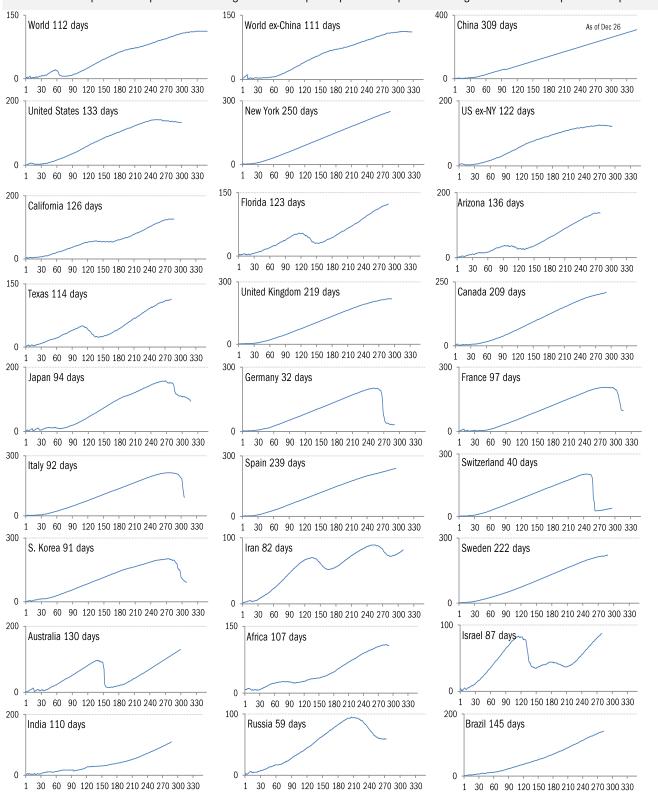
The coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of deceased population from day of first fatality*

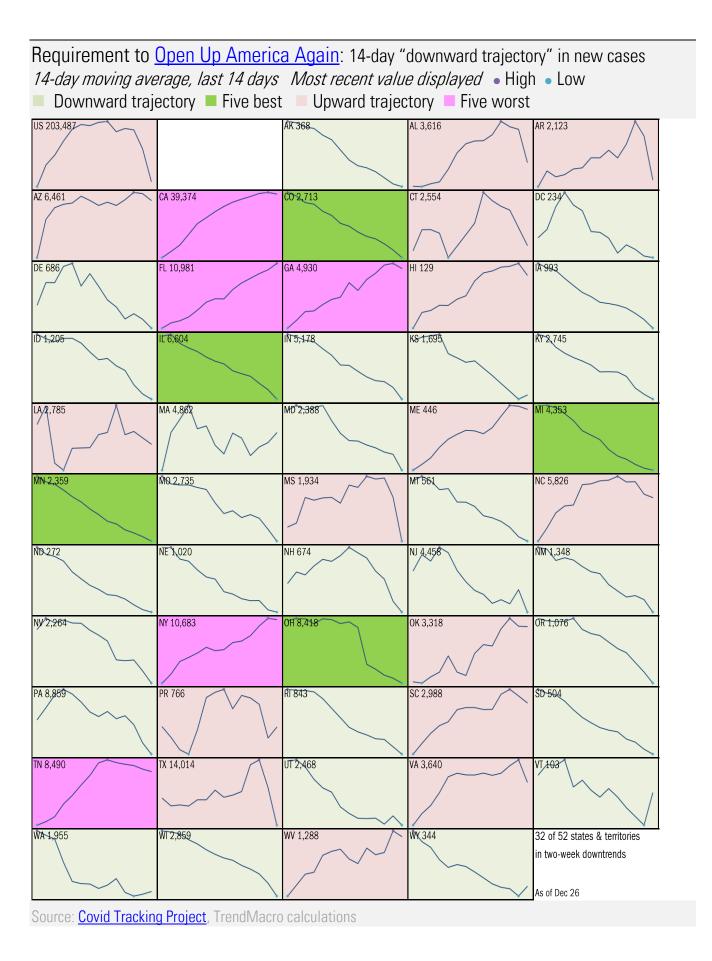


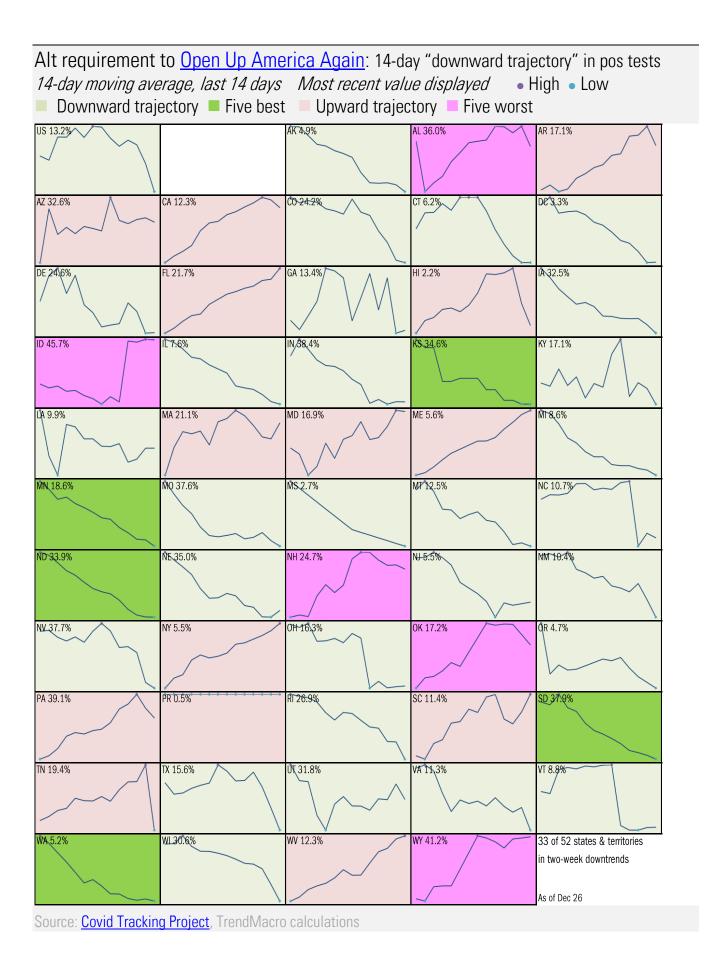
"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

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

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





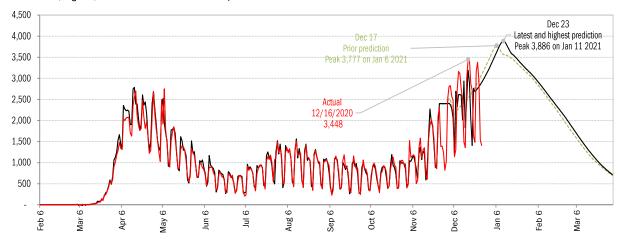


Reality-checking the models: actuals versus **IHME** predictions

New daily fatalities

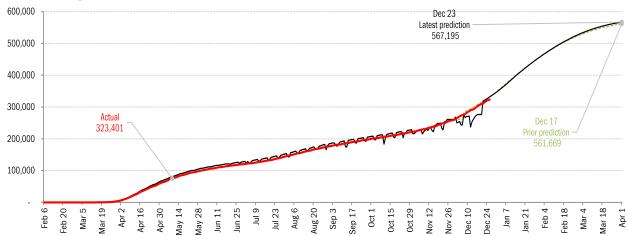
As of Dec 26

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

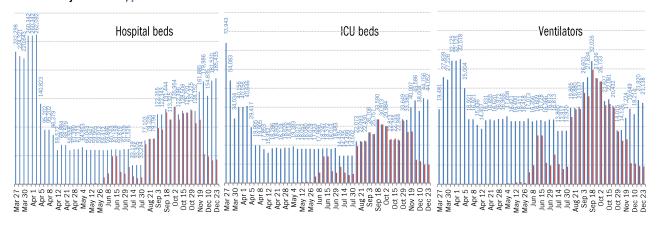


Cumulative fatalities

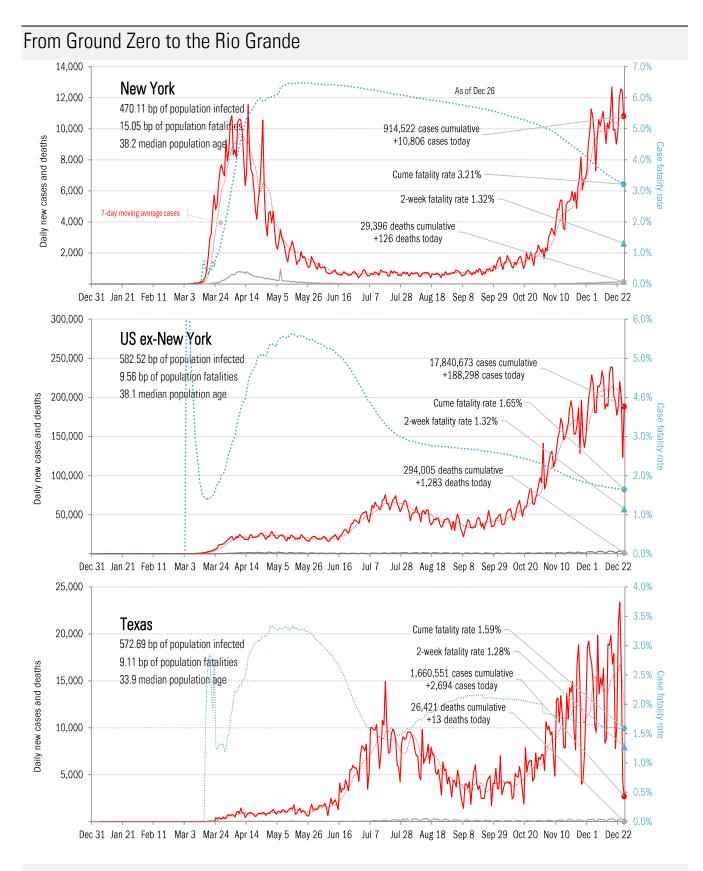
Actual versus first, highest, lowest and latest model mean predictions



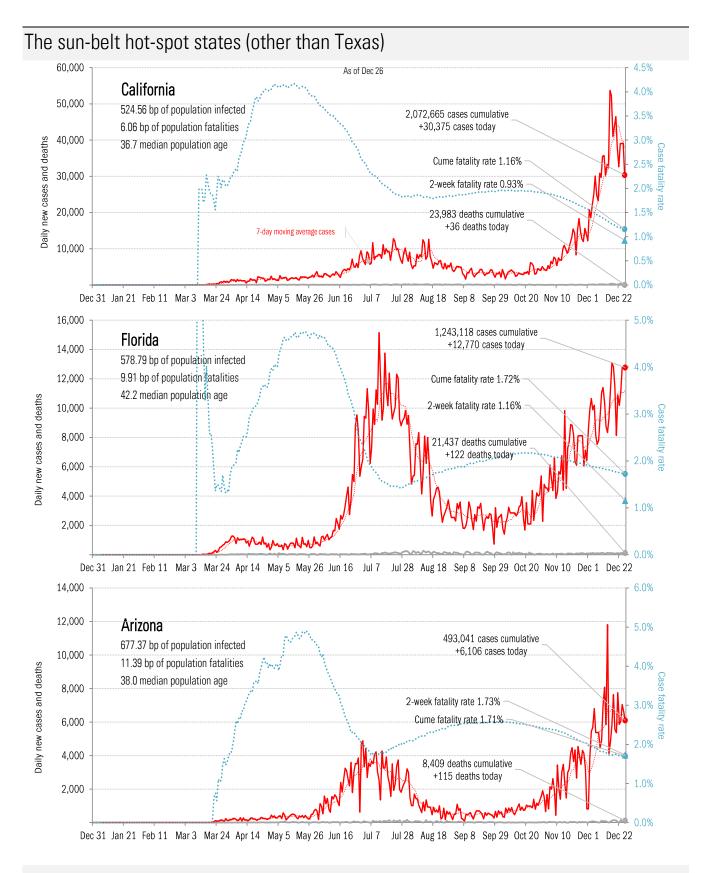
Healthcare system stress, peak and ultimate estimated at each model revision



Source: IHME, Covid Tracking Project, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations

