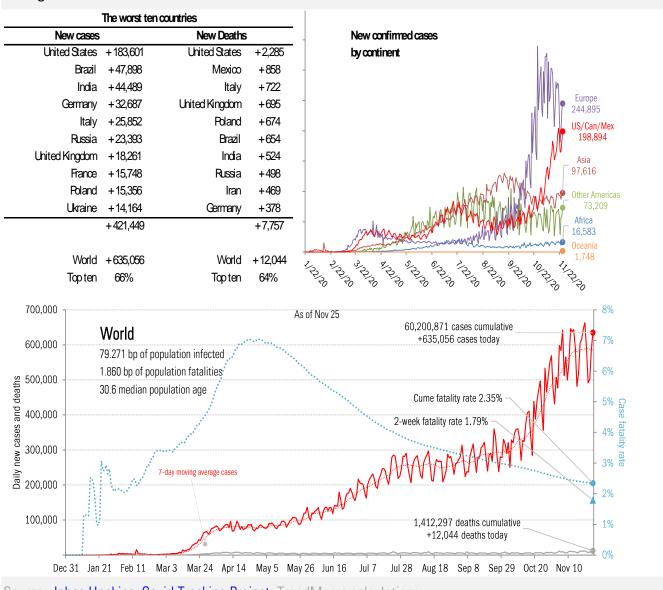


Data Insights: Covid-2019 Monitor

Thursday, November 26, 2020

The global scorecard



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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The US scorecard

						st US states					
New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+18,350	TX	+200	CA	+408	CA	1,144,049	NY	26,482	NY	89,995
TX	+15,609	IL	+178	KS	+230	TX	1,130,980	TX	20,950	FL.	54,813
IL	+11,378	СH	+156	AZ	+133	FL.	946,956	CA	18,875	NJ	40,706
СH	+10,835	PA	+144	NY	+126	IL	685,467	FL.	18,482	GA	34,413
FL.	+8,126	CA	+106	NJ	+117	NY	613,266	NJ	16,886	СH	25,486
PA	+6,759	RL.	+99	PA	+93	GA	411,002	IL	12,440	VA	25,174
MN	+6,387	TN	+92	СH	+92	WI	392,438	MA	10,604	AZ	24,952
NY	+6,265	GA	+76	TX	+90	СH	382,743	PA	10,095	AL	24,376
WI	+5,997	MI	+76	NC	+87	MI	352,433	GA	9,297	IN	24,217
IN	+5,983	MN	+72	IN	+84	TN	347,972	MI	9,170	MD	20,068
	+95,689		+1,199		+1,460		6,407,306	-	153,281		364,200
VII states	+ 183,601	All states	+2,285	All states	+1,879	All states	12,581,085	All states	253,211	All states	555,760
Top ten	52%	Top ten	52%	Top ten	78%	Top ten	51%	Top ten	61%	Top ten	66%
										Como etatos n	at raparting

Some states not reporting

2.0%

1.0%

0.0%

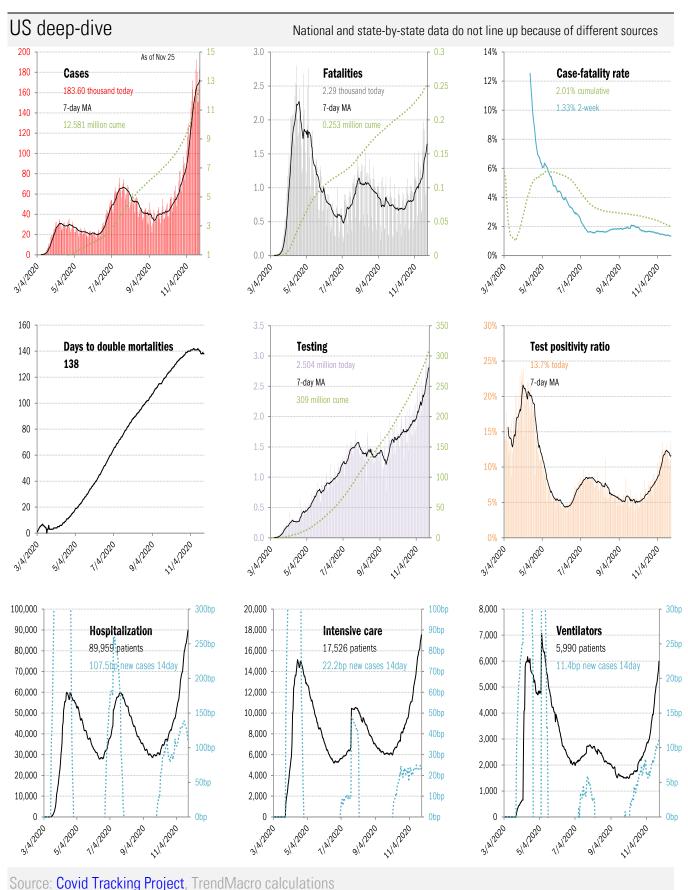
Five most improved US states

Five most improved US states										
Fewer daily cases		Fewer new deat	hs	Fewer new hosp	oitalizations	Most recoveries				
WA	-2,795	MO	-163	PA	-345	AL	+71,244			
MI	-2,095	MI	-78	NV	-110	TX	+7,680			
LA	-2,008	W	-43	FL.	-83	MN	+6,873			
UT	-920	AZ	-42	W	-81	LA	+6,528			
WI	-751	IN	-40	MN	-66	W	+6,066			
250,000 7							۲.0%			
200,000 -	United States 386.256 bp of population infected 7.774 bp of population fatalities	ng d		As of Nov 25	12,581,085 cases cumulativ	9	- 6.0%			
deaths 150,000 -	38.1 median population age				+183,601 cases today		5.0%			
and				No.	Cume fatality rate 2.01	% —	- 4.0% Case			
Daily new cases and deaths 100,000 -			7-day mo	ving average cases	2-week fatality rate 1.33% -	. \ \ \/	- 4.0% Case fatality rate			

Dec 31 Jan 21 Feb 11 Mar 3 Mar 24 Apr 14 May 5 May 26 Jun 16 Jul 7 Jul 28 Aug 18 Sep 8 Sep 29 Oct 20 Nov 10

Source: Covid Tracking Project, TrendMacro calculations

50,000



Recommended reading

<u>Supreme Court Blocks Covid-19 Restrictions on</u> <u>Religious Services in New York</u>

Jess Bravin
Wall Street Journal
November 26, 2020

Scott Peterson, thousands of California inmates carried out 'staggering' Covid fraud, officials say

Tim Stelloh *NBC News* November 24, 2020

<u>Study of Teaching and Learning During the Covid-19</u> Pandemic

Office of Research and Strategic Improvement Fairfax County Public Schools November 2020

<u>Evidence Builds That an Early Mutation Made the</u> <u>Pandemic Harder to Stop</u>

James Glanz, Benedict Carey and Hannah Beech *New York Times* November 24, 2020

U.S. Working on Guidance to Shorten Covid Quarantine Period

Emma Court and Jacquie Lee *Bloomberg*November 24, 2020

Too Much Caution Is Killing Covid Patients

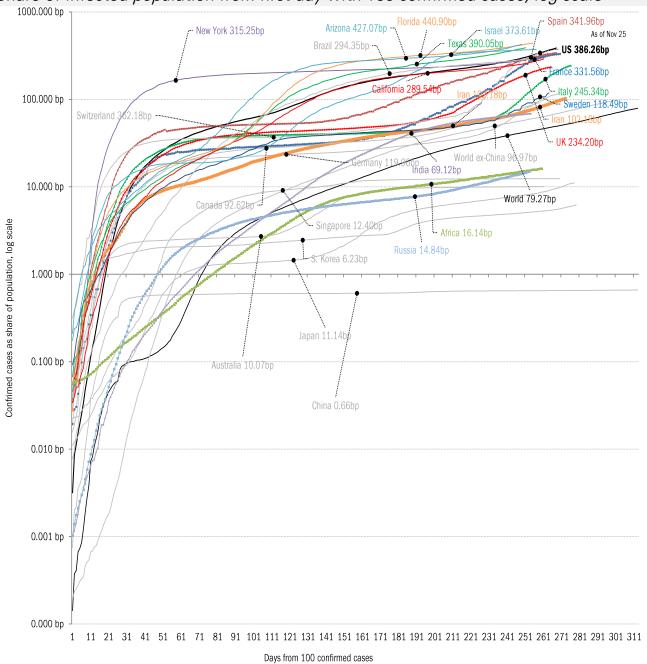
Joseph A. Ladapo Wall Street Journal November 24, 2020

Meme of day

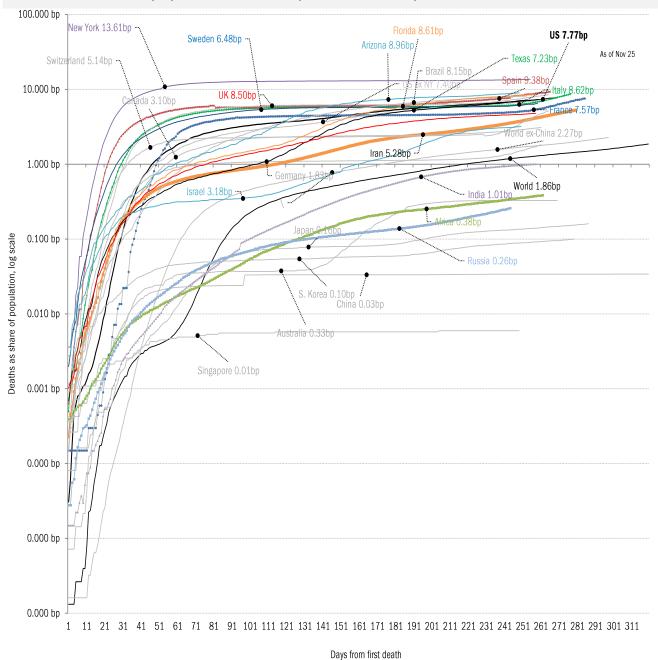


Source: Our beloved clients, and Power Line blog "The Week in Pictures"

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



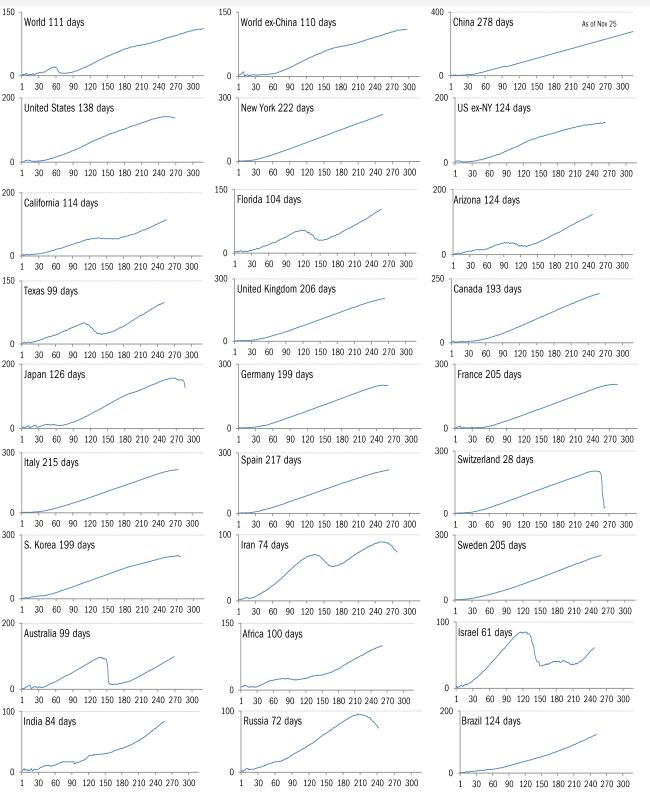
The coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves Share of deceased population from day of first fatality

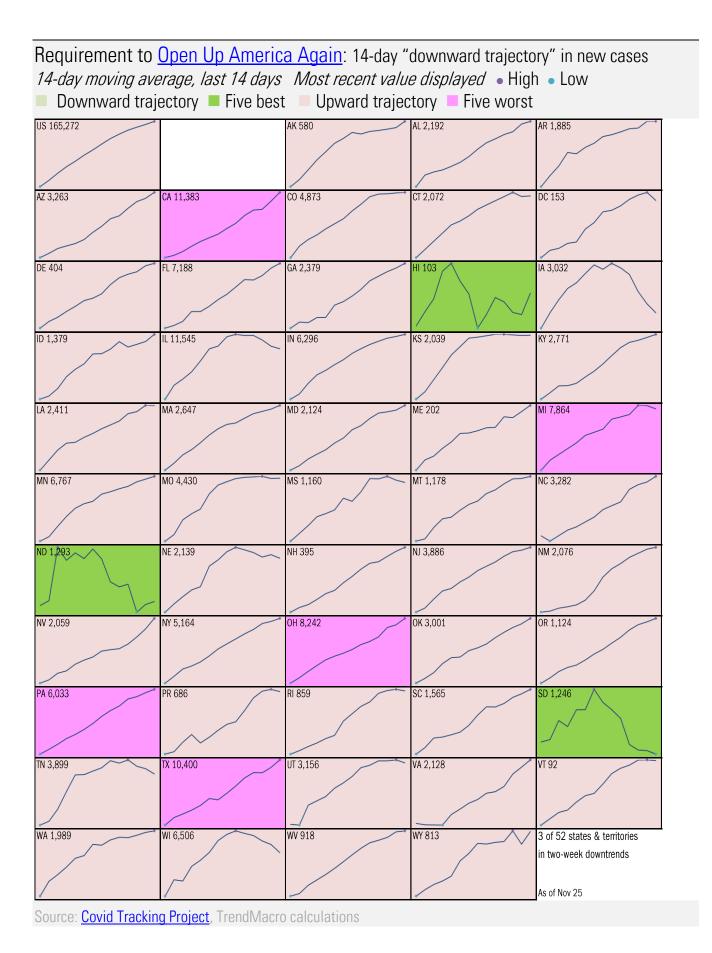


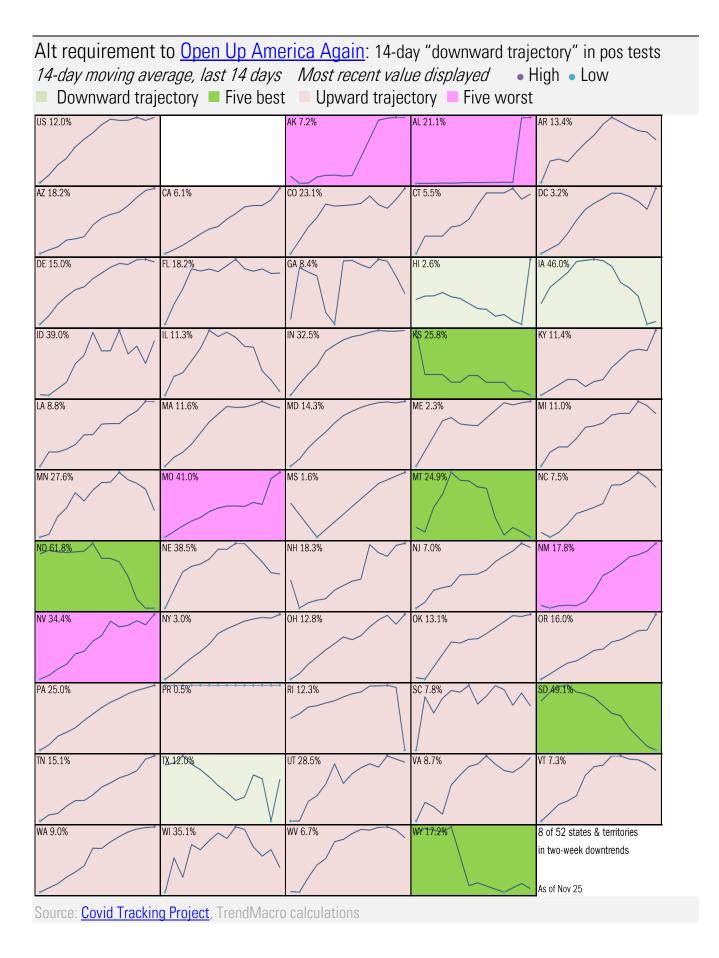
Our most reliable evidence of slowing exponential growth of Covid-2019

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

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





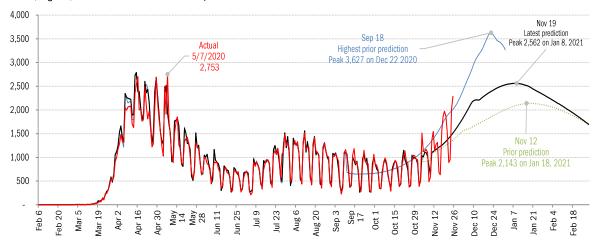


Reality-checking the models: actuals versus **IHME** predictions

New daily fatalities

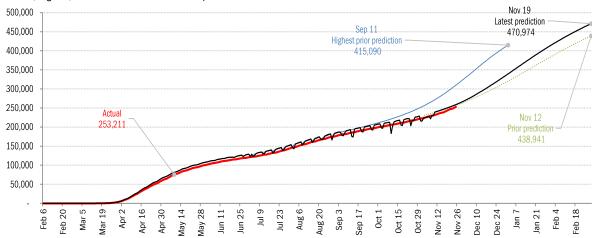
As of Nov 25

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

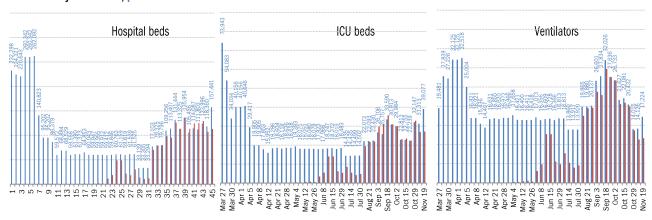


Cumulative fatalities

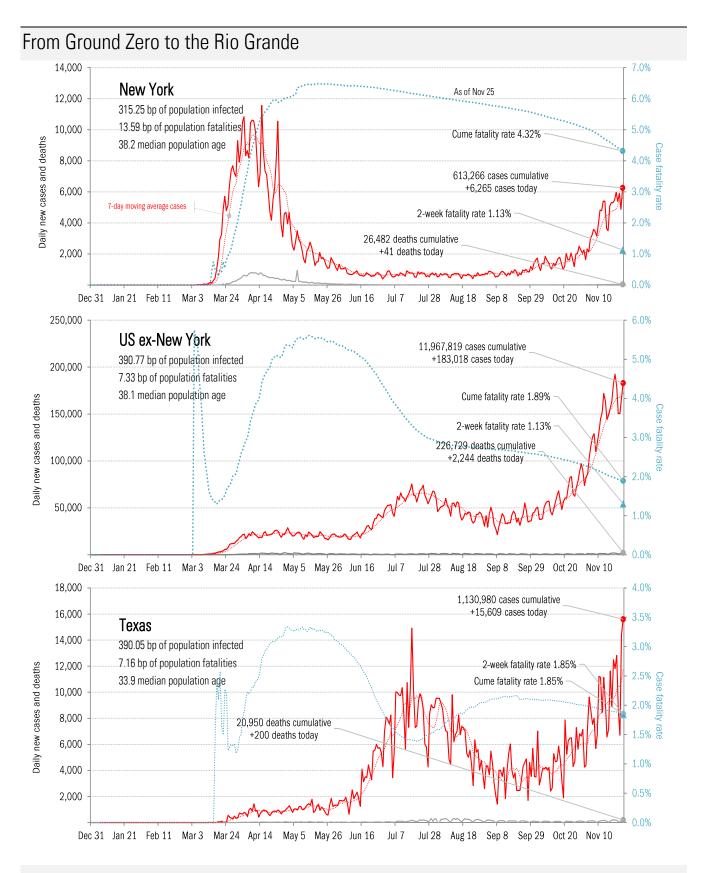
Actual versus first, highest, lowest and latest model mean predictions



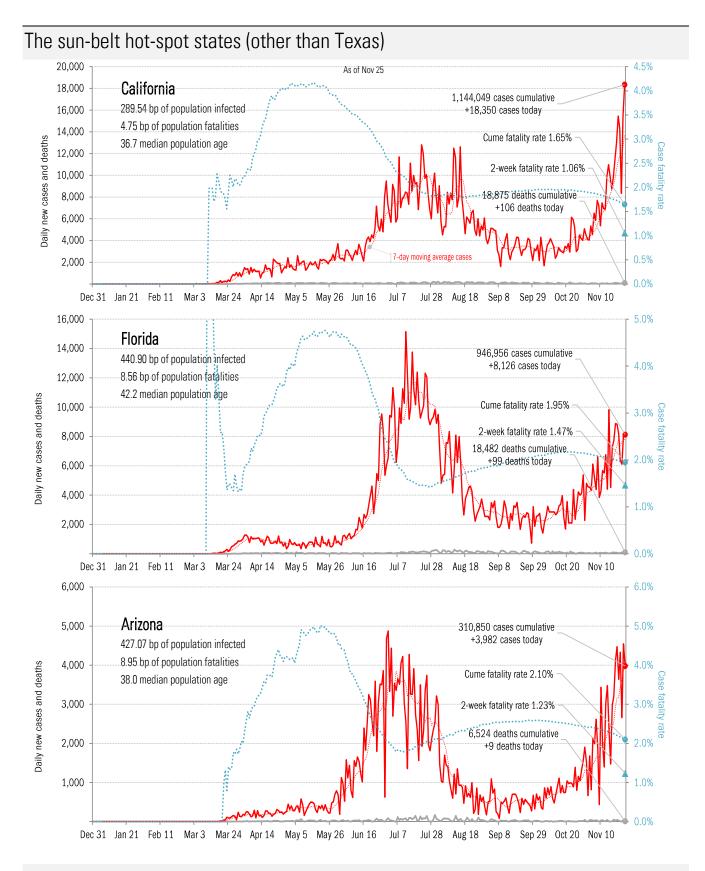
Healthcare system stress, peak and ultimate estimated at each model revision



Source: IHME, Covid Tracking Project, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations

