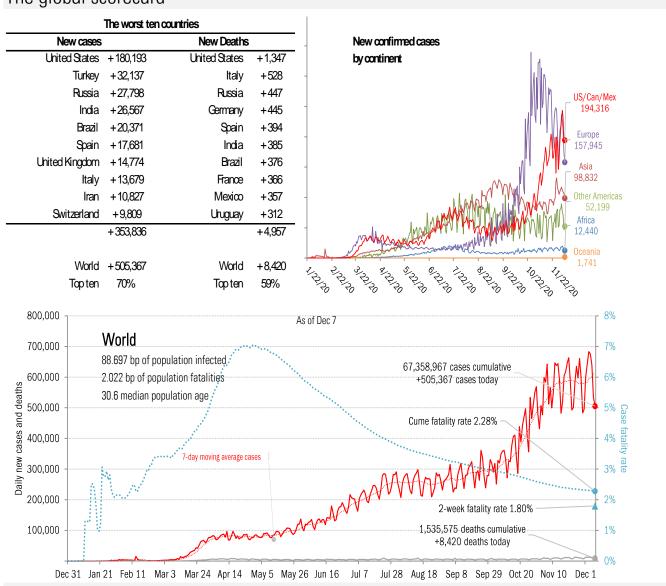


Data Insights: Covid-2019 Monitor

Tuesday, December 8, 2020

The global scorecard



Source: <u>Johns Hopkins</u>, <u>Covid Tracking Project</u>, TrendMacro calculations

For more information contact us:

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

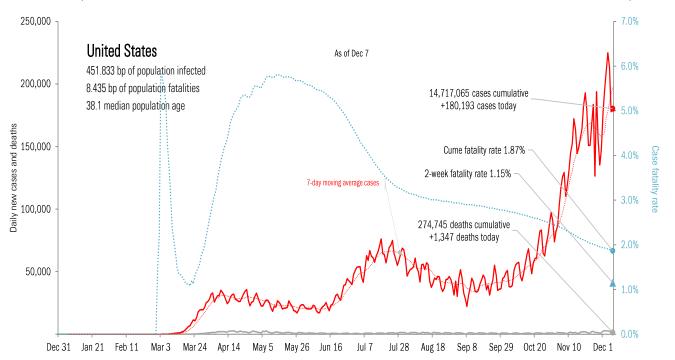
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The US scorecard

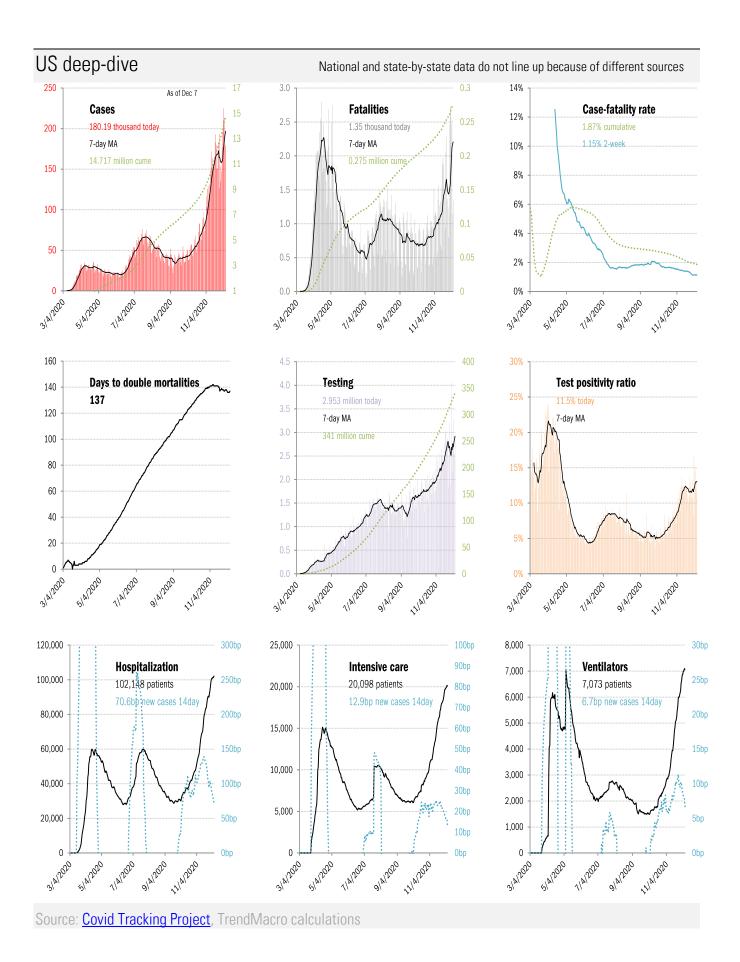
The ten worst US states											
New cases		New Deaths		New in hospital		Oume cases		Cume deaths		Cume in hospital	
CA	+24,735	FL.	+106	CA	+374	CA	1,366,435	NY	27,232	NY	89,995
MI	+9,824	MI	+101	NY	+160	TX	1,258,214	TX	22,627	FL.	57,340
α H	+9,273	IL	+100	AL	+152	FL.	1,048,264	CA	19,935	NJ	42,560
TX	+8,891	NY	+83	PA	+121	IL	796,264	FL.	19,529	GA	36,270
IL	+8,691	CT	+78	TX	+109	NY	713,129	NJ	17,336	СH	29,569
TN	+8,136	KS	+70	NJ	+105	СH	484,297	IL	14,216	IN	28,643
CT	+8,129	TN	+66	MA	+100	GA	448,683	PA	11,373	AZ	28,273
FL.	+7,537	СH	+63	FL.	+95	WI	443,389	MA	11,035	AL	27,044
NY	+7,302	CA	+59	GA	+94	MI	436,400	MI	10,422	MD	22,259
PA	+6,330	AR	+53	AZ	+82	PA	426,444	GA	9,851	MN	18,358
	+98,848		+779		+1,392		7,421,519		163,556	· ·	380,311
All states	+180,193	All states	+1,347	All states	+647	All states	14,717,065	All states	274,745	All states	589,486
Top ten	55%	Top ten	58%	Top ten	215%	Top ten	50%	Top ten	60%	Top ten	65%
										Some states no	ot reporting

Five most improved US states

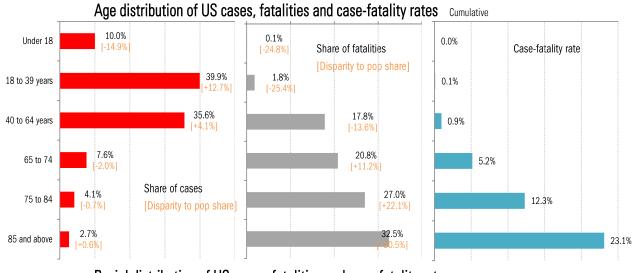
	The first in provide the state of												
Fewer daily cases	Fewer new dea	aths	Fewer new hospitalizations		Most recoveries								
CA -5,340	TX	-59	KS	-520	NC	+25,062							
AZ -3,809	MN	-43	VA	-201	PA	+8,677							
LA -2,933	SC	-36	MO	-131	TX	+8,090							
NJ -2,467	PA	-27	MN	-112	MS	+7,881							
NY -2,400	CA	-26	WI	-94	IN	+6,098							

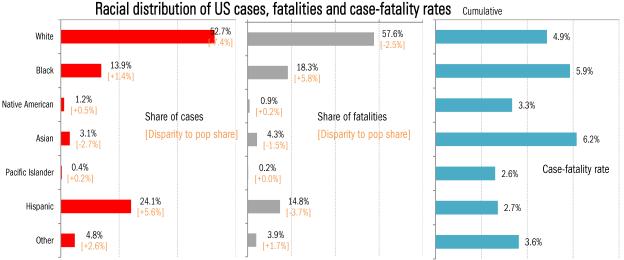


Source: Covid Tracking Project, TrendMacro calculations

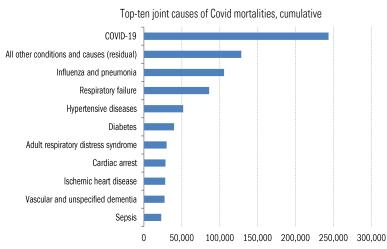


US deep-dive on the demographics of age, race and health





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 2.6 additional conditions or causes per death.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

Paying for More Covid Relief

Wall Street Journal
December 7, 2020

South Dakota's Balanced Covid Response

Kristi Noem

Wall Street Journal

December 7, 2020

<u>Safety of in-person courses at Indiana University</u> <u>supported by new analysis</u>

Indiana University
November 20, 2020

Florida Department of Health mandates reporting of cycle threshold values for PCR tests

Jenifer Cabrera *Alachua Chronicle* December 6, 2020

<u>Judge stops Wisconsin Gov. Evers from publishing</u> coronavirus business list, again

Benjamin Yount Center Square December 1, 2020

FDA Career Staff Are Delaying the Vaccine As Thousands of Americans Die

Marty Makary *The Dispatch*December 4, 2020

2020

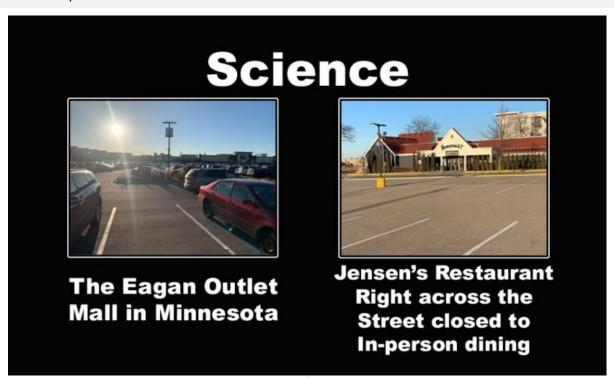
Results of the Business Response Survey

Bureau of Labor Statistics
December 7, 2020

3,800 People Shot in Chicago Through End of November as Violence Spikes 50% From 2019

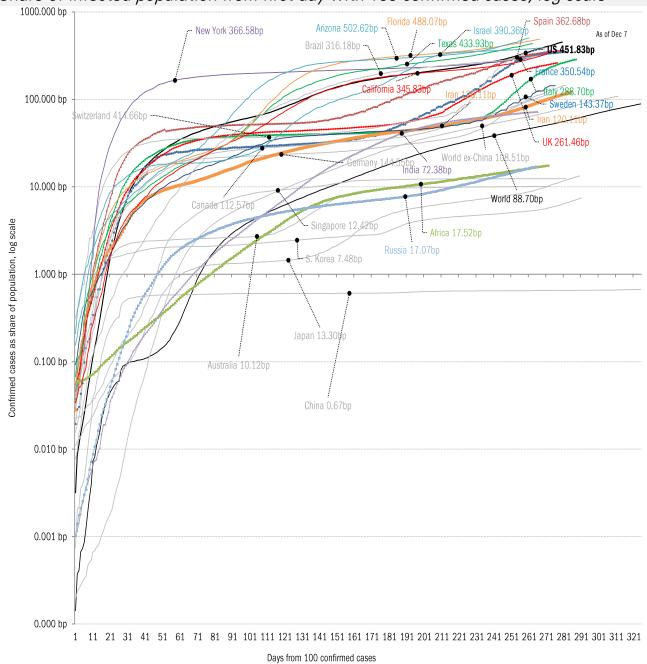
NBC5 Chicago
December 1, 2020

Meme of day



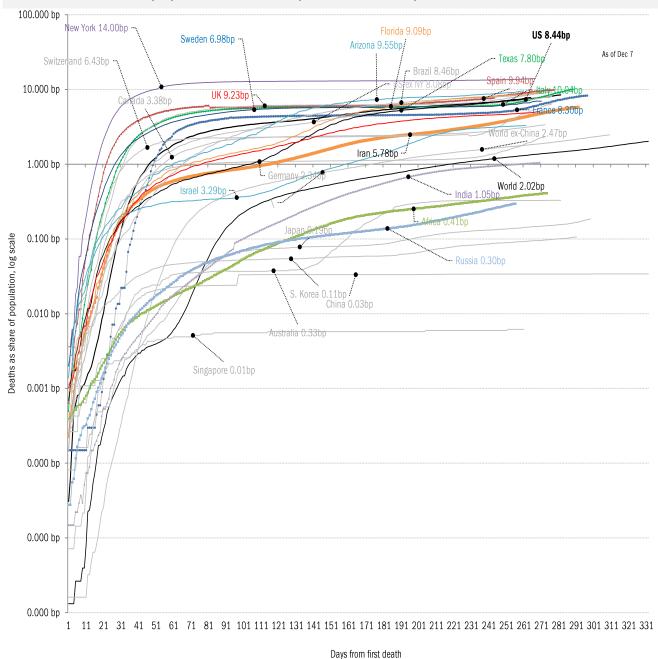
Source: Our beloved clients, and Power Line blog "The Week in Pictures"

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



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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

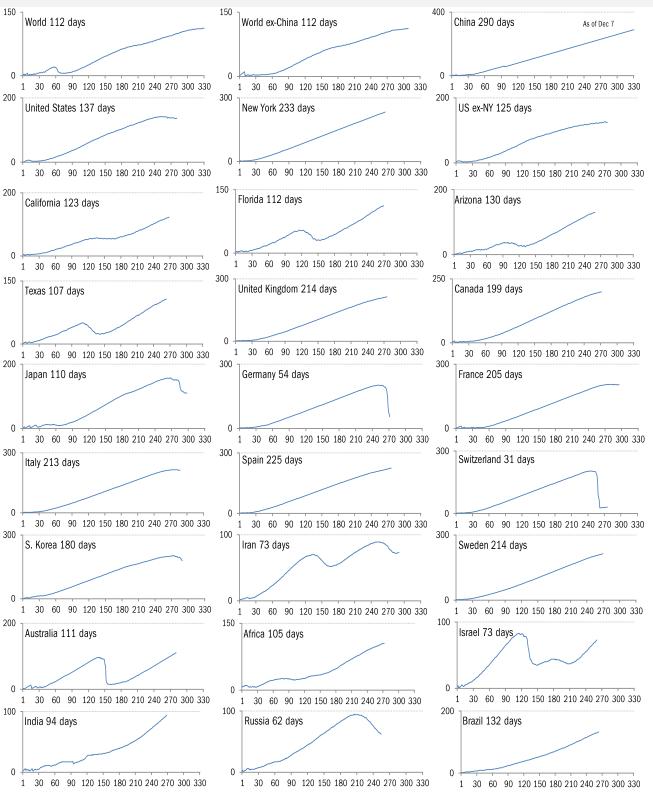


Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

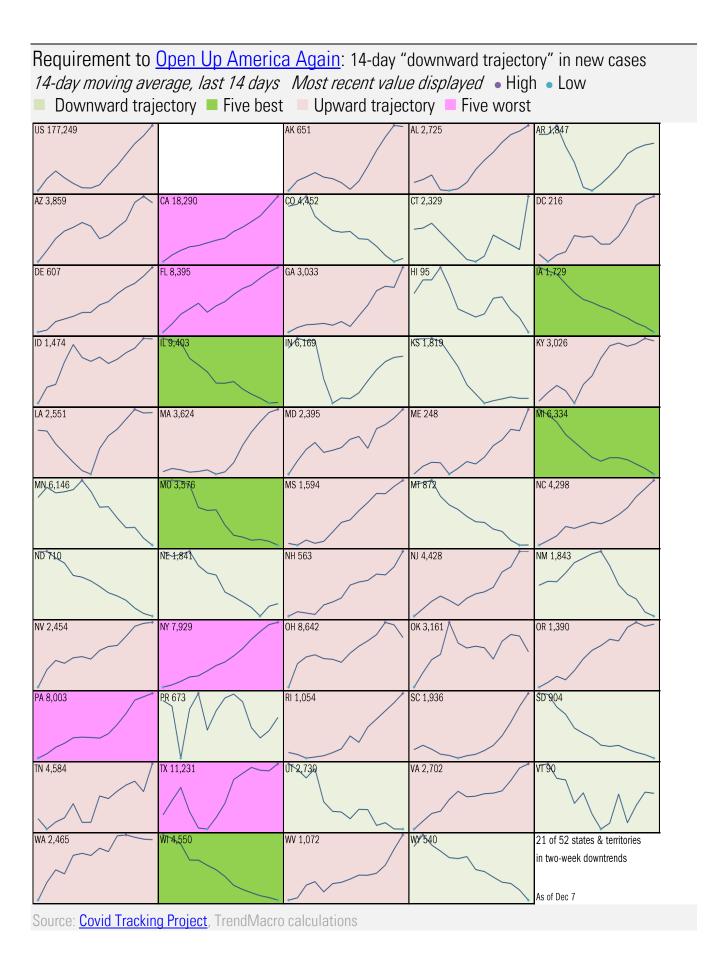
"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

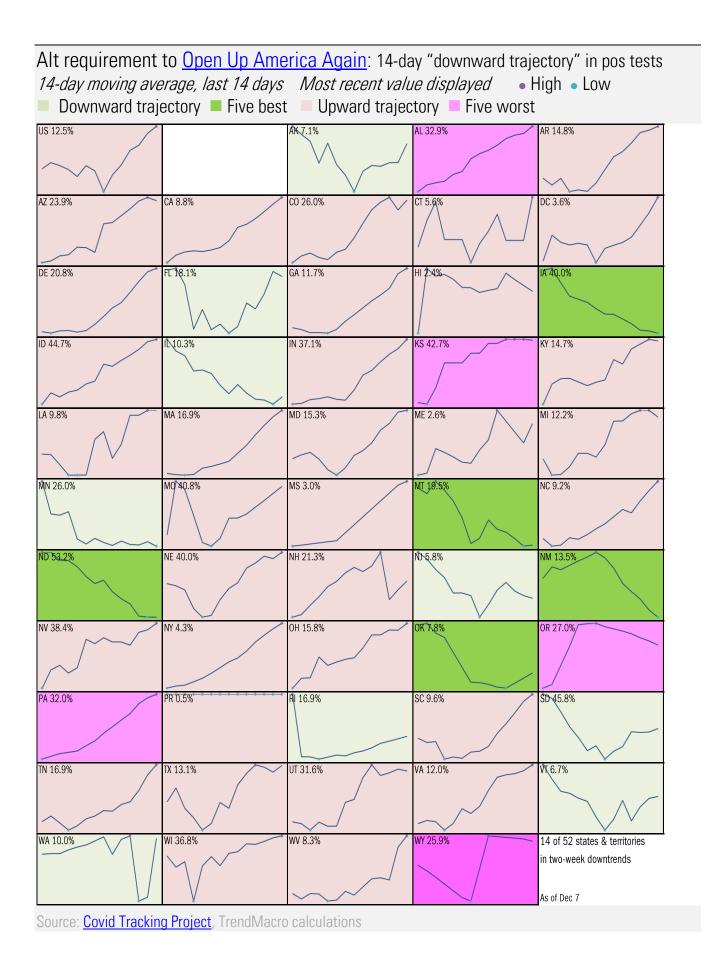
Vertical: days to double deaths Horizontal: days from first death

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



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations



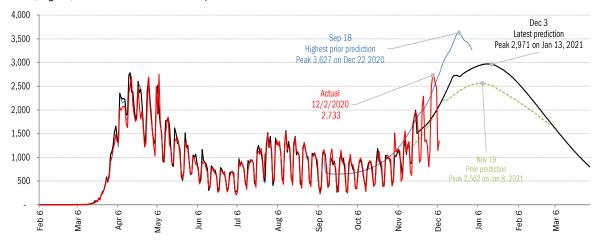


Reality-checking the models: actuals versus **IHME** predictions

New daily fatalities

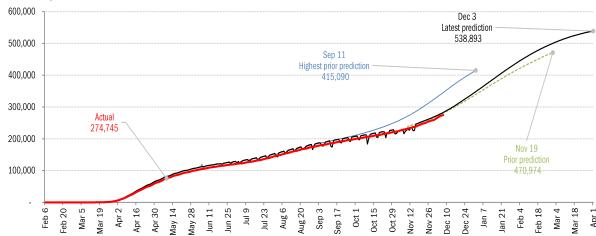
As of Dec 7

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

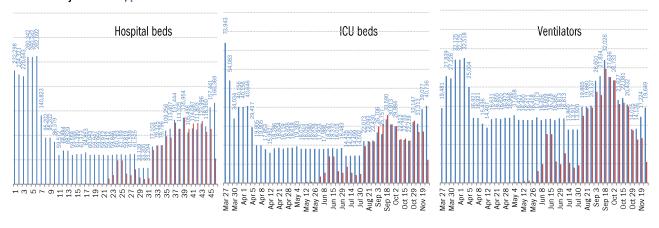


Cumulative fatalities

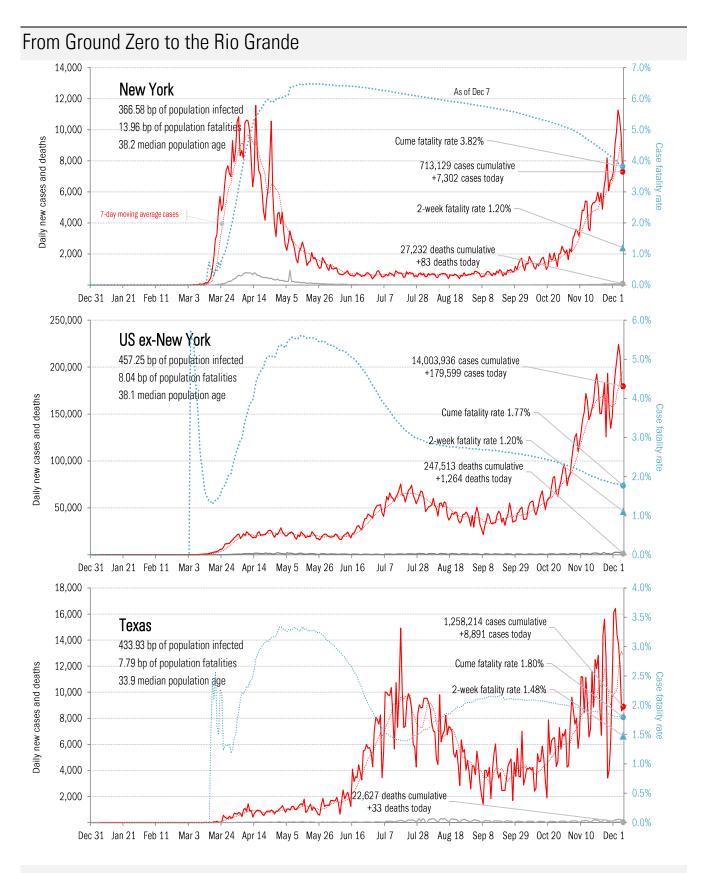
Actual versus first, highest, lowest and latest model mean predictions



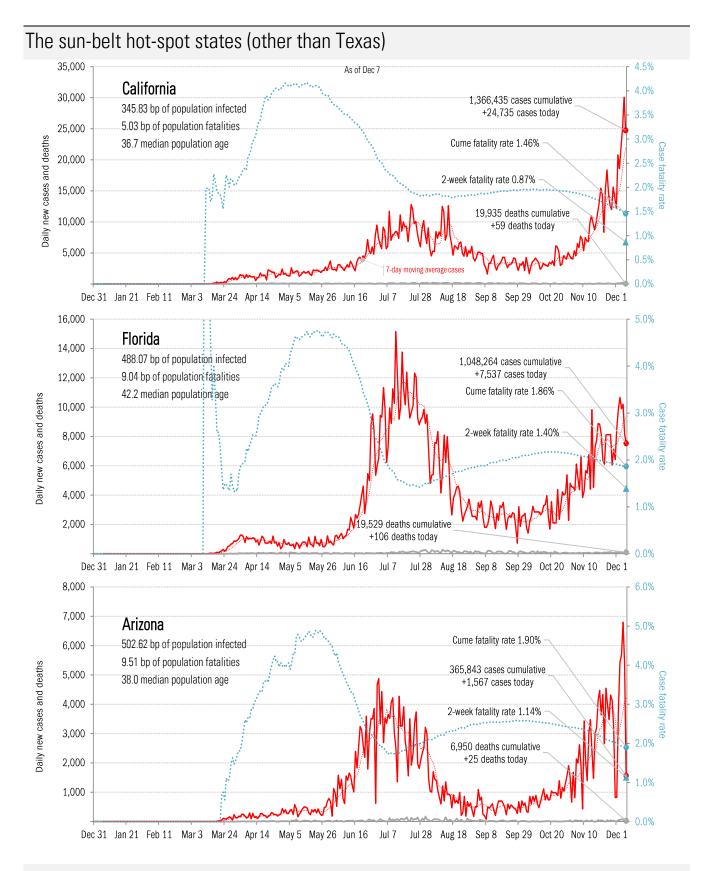
Healthcare system stress, peak and ultimate estimated at each model revision



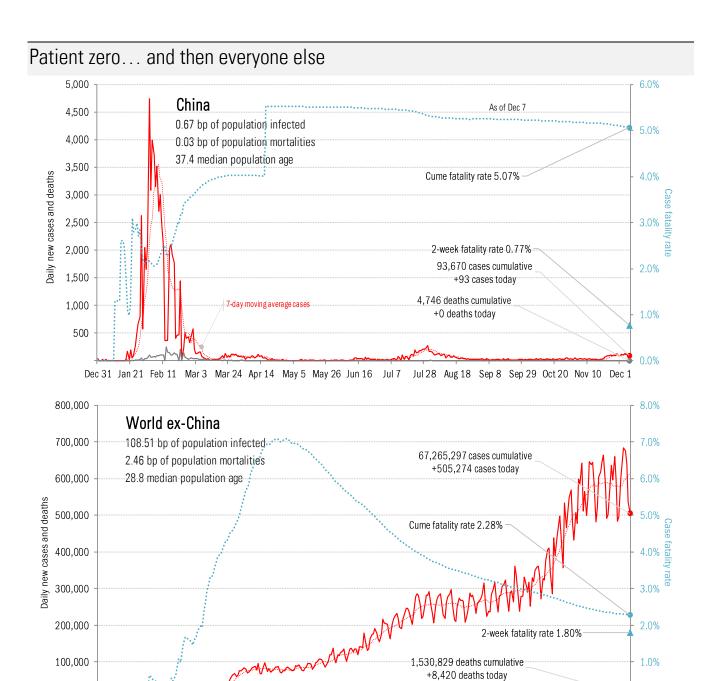
Source: IHME, Covid Tracking Project, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations



Source: Covid Tracking Project,, TrendMacro calculations



Source: Johns Hopkins, Covid Tracking Project, TrendMacro calculations

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 Dec 1

0.0%

