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Data Insights: Covid-2019 Monitor

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The global scorecard



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The US scorecard

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

The ten worst US states		
New infections New Deaths New in hospital Cume infections Cume deaths Cume in	hospital	
NY +11,571 NY +752 VA +1,048 NY 213,779 NY 11,586 NY	46,201	
NJ +2,206 NJ +351 FL +284 NJ 71,030 NJ 3,156 FL	3,344	
MA +1,755 CT +197 GA +153 MA 29,918 MI 1,921 GA	2,922	
IL +1,346 MI +153 MD +109 MI 28,059 MA 1,108 MA	2,340	
PA +1,145 MA +151 OH +81 PA 26,490 LA 1,103 OH	2,237	
FL +1,144 LA +90 CO +63 IL 24,593 IL 948 MD	2,231	
CA +1,086 IL +80 MS +49 CA 24,424 CT 868 CO	1,556	
MI +1,058 FL +72 WI +42 FL 22,511 CA 821 WI	1,091	
TX +868 CA +63 MN +40 LA 21,951 PA 647 VA	1,048	
<u>CT +766</u> <u>PA +63</u> <u>AL +32</u> <u>TX 15,492</u> <u>FL 609</u> <u>KY</u>	687	
+22,945 +1,972 +1,901 478,247 22,767	63,657	
All states + 30.183 All states + 2.492 All states + 2.056 All states 632.656 All states 28.160 All states	69.603	
Top ten 76% Top ten 79% Top ten 92% Top ten 76% Top ten 81% Top ten	91%	
Fewer daily infections Fewer new deaths Fewer new hospitalizations Most recoveries		
	- 570	
NU -2,034 LA -39 NY -3,469 IA	+5/0	
MI -308 NY -26 NM -181 IN	+227	
GA -144 MI -13 SC -179 IA	+167	
SC -131 NC -13 OH -42 AZ	+136	
NC -109 OH -13 MD -38 NH	+116	
40.000 -	0.00/	
	- 8.0%	
United States As of Apr 16		
35,000 - 19.639 bp of population infected	- 7.0%	
38.1 median population age +30.148 cases today		
	- 6.0%	
30,000	0.070	
g 25,000 - 2,250,656 tooto aumo	- 5.0%	
	as e	
§ 20.000 -	- 4.0% ^{ត្នា}	
	lity r	
161,421 tests today	ate	
	- 3.0%	
10,000 - 18.7% positive today	- 2.0%	
30,985 deaths cumulative		
+4,928 deaths today		
Dec 31 Jan 7 Jan 14 Jan 21 Jan 28 Feb 4 Feb 11 Feb 18 Feb 25 Mar 3 Mar 10 Mar 17 Mar 24 Mar 31 Apr 7 Apr 14		

Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

<u>Top Israeli prof claims virus plays itself out after 70</u> days

Times of Israel April 13, 2020

Coronavirus In Five States (2)

John Hinderaker *Powerline Blog* April 15, 2020

<u>'Operation Gridlock': Convoy in Michigan's capital</u> protests stay-at-home orders

Bill Hutchinson *ABC News* April 15, 2020

Meme of the day

<u>A New Strategy for Bringing People Back to Work</u> <u>During COVID-19</u>

Avik Roy *Medium* April 14, 2020

China's Data on Symptom-Free Cases Reveals Most Never Get Sick

Bloomberg April 15, 2020

Overlords Apologize, Will Reset Simulation to 2015



"We just wanted to see what you would do," explains spokesman.

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





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 the Moore's law of Covid-2019 *Vertical: number of days it takes to double deaths Horizontal: days from first death* Progress means seeing the line move up and to the right...

Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.



Reality-checking the models: actual fatalities versus IHME predictions

New daily fatalities

Actual versus first, highest and latest model mean predictions





Cumulative fatalities

Mar 25 33,934 Par 26 33,934 Mar 25 33,934 Mar 26 33,934 Mar 27 33,934 Mar 27 33,934 Mar 31 35,048 Mar 31 35,048 Mar 31 35,048 Mar 2 35,303 Mar 5 40,235 Mar 5 Actual versus first, highest and latest model mean predictions Mar 25 33,934 Mar 26 33,934 Mar 27 33,934 Mar 31 100,000 Highest Mar 29 31,879 Mar 3031,303 Actual 30,985 Apr 7 31,589 Apr 8 31,589 prediction 90,000 Apr 9 29,579 93,734 80,000 70,000 60,000 Mar 25 Apr 12 First prediction Latest 50,000 prediction 81,067 68,841 Actual 30,985 40,000 30,000 20,000 10,000 Feb 6 -Mar 5 -Feb 20 Mar 19 Apr 2 Apr 16 Apr 30 May 28 Jun 25 9 Inl Jul 23 14 Jun 11 May

Source: ECDC, TrendMacro calculations

For this day, versus all model mean predictions

As of Apr 16

From Ground Zero to the Rio Grande



Source: ECDC, TrendMacro calculations

Patient zero... and then everyone else



Source: ECDC, TrendMacro calculations

Impact in the largest economies



Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



Source: ECDC, TrendMacro calculations

Impact in continental Europe



Source: ECDC, TrendMacro calculations

Impact in other hot-spots



Impact in the fragile emerging world



Source: ECDC, TrendMacro calculations