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## 99.9999 percent chance we're the cause of global warming, study says

**Doyle Rice, USA TODAY** 

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There's a 99.9999 percent chance that humans are the cause of global warming, a <u>new study (https://www.nature.com/articles/s41558-019-0424-x#Sec5)</u> reported Monday.

This means we've reached the "gold standard" for certainty, a statistical measure typically used in particle physics.

Humanity burns fossil fuels such as oil, coal and gas, which release carbon dioxide (CO2) into the Earth's atmosphere and oceans. CO2 is the greenhouse gas that's <u>most responsible for warming (https://www.skepticalscience.com/CO2-is-not-the-only-driver-of-climate.htm)</u>.

Study lead author <u>Benjamin Santer (https://pcmdi.llnl.gov/staff/santer/index.html)</u> of the <u>Lawrence Livermore National Laboratory (https://www.llnl.gov/)</u> told Reuters that "the narrative out there that scientists don't know the cause of climate change is wrong."

With only a one-in-a-million chance that humans aren't the cause, it's obvious that we need to dramatically reduce our emissions of carbon dioxide, experts say.



(Photo: Getty Images)

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"We cargufford prigrogation allows." குட்டித்து hen Po-Chedley (https://atmos.washington.edu/~pochedls/), a study co-author, referring to the past four decades of satellite measurements that plainly show increasing temperatures. **\$5 for 3 months. Save 83%.** 

While not at 99 percent, the American public is getting on board with the issue: A <u>poll last year</u> (http://supscribe.app.com/? (http://clipateleaffithecaffen.yale.edu/publications/clipateleaffithec Communication ORGAMBARD&utmunimatignate2019\$tol&utmacontentefree&utmimedium #ONSIDE&utminource=CR6AMBARD&on&uccessRedire activities. This was a fise in 47 percent from five years earlier. percent-chance-

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The most recent report from the United Nations' Intergovernmental Panel on Climate Change (https://www.ipcc.ch/), released in 2013, put the likelihood at 95 percent. That report said that in the Northern Hemisphere, the years 1983–2012 were likely the warmest 30-year period of the past 1,400 years.

The study was published Monday in the peer-reviewed British journal Nature Climate Change. (https://www.nature.com/nclimate/)

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