

Feelings about scientists a factor in COVID-19 attitudes, behaviors

March 9 2021



Credit: Pixabay/CC0 Public Domain

Some people's willingness to reduce the spread of COVID-19 seems to be connected to their feelings about scientists rather than their political partisanship, a new study suggests.

Researchers from the University of Michigan and University of Illinois found that people who expressed warmth toward scientists were more

concerned about the impact of the virus and reported engaging in more preventative behaviors, relative to those who felt colder toward the profession.

This relationship emerged even after controlling for their [political views](#), said study co-author David Dunning, U-M professor of psychology.

Using three separate studies, the researchers investigated who expressed concern for the [coronavirus](#) and engaged in behaviors—such as social distancing and wearing [face masks](#)—that are consistent with slowing the spread of COVID-19.

They noted that people feeling a certain way does not mean they will behave in a manner consistent with their feelings. For instance, people may state they are very concerned about COVID-19's impact on the economy, but also indicate they do not plan on engaging in social distancing behaviors.

Nearly 900 study participants disclosed their political partisanship and emotional views (warm vs. cold) about scientists. Researchers tested interventions that might increase compliance with COVID-19 behaviors and referenced leading infectious disease expert Dr. Anthony Fauci talking about mitigation efforts. One intervention involved Fauci talking about hydroxychloroquine, an unproven drug that former President Trump once touted on Fox News.

In Studies 1 and 2, which involved 614 participants, those with warmer feelings toward scientists were more concerned and engaged in greater COVID-preventative behaviors, regardless of partisanship. Also, those who were the most optimistic about hydroxychloroquine were less likely to engage in behaviors designed to decrease the spread of COVID-19.

In Study 3, 259 respondents who watched a scientist discuss

hydroxychloroquine on Fox News led people to greater endorsement of COVID behaviors. This did not change attitudes about the drug, with conservatives expressing far more optimism about the drug compared to liberals. It could be that conservatives express less concern about scientific risks, researchers suggested.

Overall, when drugs become politicized, people in a [political party](#) may be more inclined to believe they are effective.

"When people believe there are treatments, this may undermine behaviors that are consistent with behaviors and attitudes," said Carmen Sanchez, the study's lead author and assistant professor of business administration at the U of I. "That is, if people believe there is a cure, they may be more lax in their behaviors and attitudes."

The research, which had been conducted when no vaccines for the disease had been developed, appears in the *Journal of Applied Social Psychology*.

More information: Carmen Sanchez et al. The anti-scientists bias: The role of feelings about scientists in COVID-19 attitudes and behaviors, *Journal of Applied Social Psychology* (2021). [DOI: 10.1111/jasp.12748](https://doi.org/10.1111/jasp.12748)

Provided by University of Michigan

Citation: Feelings about scientists a factor in COVID-19 attitudes, behaviors (2021, March 9) retrieved 27 April 2024 from <https://medicalxpress.com/news/2021-03-scientists-factor-covid19-attitudes-behaviors.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.