

Children can 'catch' social bias through non-verbal signals expressed by adults

December 21 2016, by Deborah Bach



Credit: Donnie Ray Jones / Flickr

Most conscientious adults tend to avoid making biased or discriminatory comments in the presence of children.

But new research from the University of Washington suggests that preschool-aged children can learn [bias](#) even through nonverbal signals displayed by adults, such as a condescending tone of voice or a disapproving look.

Published Dec. 21 in the journal *Psychological Science*, the research found that children can "catch" social bias by seeing negative signals expressed by adults and are likely to generalize that learned bias to others.

"This research shows that kids are learning bias from the non-verbal signals that they're exposed to, and that this could be a mechanism for the creation of [racial bias](#) and other biases that we have in our society," said lead author Allison Skinner, a postdoctoral researcher in the UW's Institute for Learning & Brain Sciences.

"Kids are picking up on more than we think they are, and you don't have to tell them that one group is better than another group for them to be getting that message from how we act."

The research involved an initial group of 67 children ages 4 and 5, an equal mix of boys and girls. The children were shown a video in which two different female actors displayed positive signals to one woman and negative signals to another woman. All people in the video were the same race, to avoid the possibility of racial bias factoring into the results.

The actors greeted both women the same way and did the same activities with both (for example, giving each a toy) but the actors' nonverbal signals differed when interacting with one woman versus the other. The actor spoke to one woman in a positive way—smiling, leaning toward her, using a warm tone of voice—and the other negatively, by scowling, leaning away and speaking in a cold tone.

The children were then asked a series of questions—such as who they liked the best and who they wanted to share a toy with—intended to gauge whether they favored the recipient of positive nonverbal signals over the recipient of negative nonverbal signals.

The results showed a consistent pattern of children favoring the recipient of positive nonverbal signals. Overall, 67 percent of children favored the recipient of positive nonverbal signals over the other woman—suggesting they were influenced by the bias shown by the actor.

The researchers also wondered if nonverbal signals could lead to group bias or prejudice. To get at that question, they recruited an additional 81 children ages 4 and 5. The children were shown the same videos from the previous study, then a researcher introduced them to the "best friends" of the people in the video. The "friends" were described as members of the same group, with each wearing the same color shirt as their friend. The children were then asked questions to assess whether they favored one friend over the other.

Strikingly, the results showed that children favored the friend of the recipient of positive nonverbal signals over the friend of the other woman. Taken together, the researchers say, the results suggest that biases extend beyond individuals to members of groups they are associated with.

Skinner pointed out that many American preschoolers live in fairly homogenous environments, with limited ability to witness positive interactions with people from diverse populations. So even brief exposure to biased nonverbal signals, she said, could result in them developing generalized biases. The simulations created for the study represent just a small sample of what children likely witness in real life, Skinner said.

"Children are likely exposed to nonverbal biases demonstrated by multiple people toward many different members of a target group," she said. "It is quite telling that brief exposure to biased nonverbal signals was able to create a bias among children in the lab."

The study's findings, she said, underscore the need for parents and other adults to be aware of the messages—verbal or otherwise—that they convey to [children](#) about how they feel about other people.

More information: "Catching" Social Bias: Exposure to Biased Nonverbal Signals Creates Social Biases in Preschool Children, *Psychological Science*, [journals.sagepub.com/doi/full/ ... 177/0956797616678930](https://journals.sagepub.com/doi/full/10.1177/0956797616678930)

Provided by University of Washington

Citation: Children can 'catch' social bias through non-verbal signals expressed by adults (2016, December 21) retrieved 4 April 2024 from <https://medicalxpress.com/news/2016-12-children-social-bias-non-verbal-adults.html>

<p>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.</p>
--