

Facial structure may predict endorsement of racial prejudice

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The structure of a man's face may indicate his tendency to express racially prejudiced beliefs, according to new research published in *Psychological Science*, a journal of the Association for Psychological Science.

Studies have shown that facial width-to-height ratio (fWHR) is associated with [testosterone](#)-related behaviors, which some researchers have linked with [aggression](#). But psychological scientist Eric Hehman of Dartmouth College and colleagues at the University of Delaware speculated that these behaviors may have more to do with social dominance than outright aggression.

The researchers decided to examine the relationship between fWHR and dominance in the specific context of racial prejudice.

"Racial prejudice is such a sensitive issue and there are societal pressures to appear nonprejudiced. More dominant individuals might care less about appearing prejudiced, or exercise less self-regulation with regard to reporting those prejudices, should they exist," says Hehman, who conducted the research as a graduate student at the University of Delaware.

The researchers asked male participants about their [willingness](#) to express racially prejudiced beliefs and about the pressure they feel to adhere to [societal norms](#). The results revealed that men who have higher fWHR (determined from photos of their faces) are more likely to

express racist remarks and are less concerned about how others perceive those remarks.

Importantly, these results did not show that the men were necessarily more prejudiced—men with greater fWHR did not score higher on measures that assessed implicit, or more automatic, [racial prejudice](#). Rather, these men were simply more likely to express any prejudicial beliefs they may have had.

"Not all people with greater fWHRs are prejudiced, and not all those with smaller fWHRs are non-prejudiced," says Hehman. "You could think about it as a 'side effect' of [social dominance](#)—men with greater fWHR may not care as much about what others think of them."

Results from a second study suggest that observers actually perceive and use fWHR when evaluating another person's degree of prejudice.

Looking at the photos from the first study, a new group of participants evaluated men with wider, shorter faces as more prejudiced, and they were able to accurately estimate the target's self-reported prejudicial beliefs just by looking at an image of his face. The results were confirmed in a third study.

The third study also showed that non-White participants, whose outcomes are more likely to be influenced by their race or ethnicity, were more motivated to accurately assess targets' prejudice. This greater motivation, in turn, was associated with increased accuracy. The finding is consistent with the idea that people allocate their attention to stimuli that can influence their outcomes.

Together, these three studies add to a growing literature exploring how people perceive and accurately infer personality characteristics based on physical appearance.

"This research provides the first evidence for a facial metric that not only predicts important and controversial social behaviors, such as reporting [prejudices](#), but can also be used by others to make accurate judgments," says Hehman.

These studies may open up new avenues of research; Hehman and colleagues speculate that fWHR may be linked with explicit prejudice on a number of different dimensions beyond race.

Provided by Association for Psychological Science

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