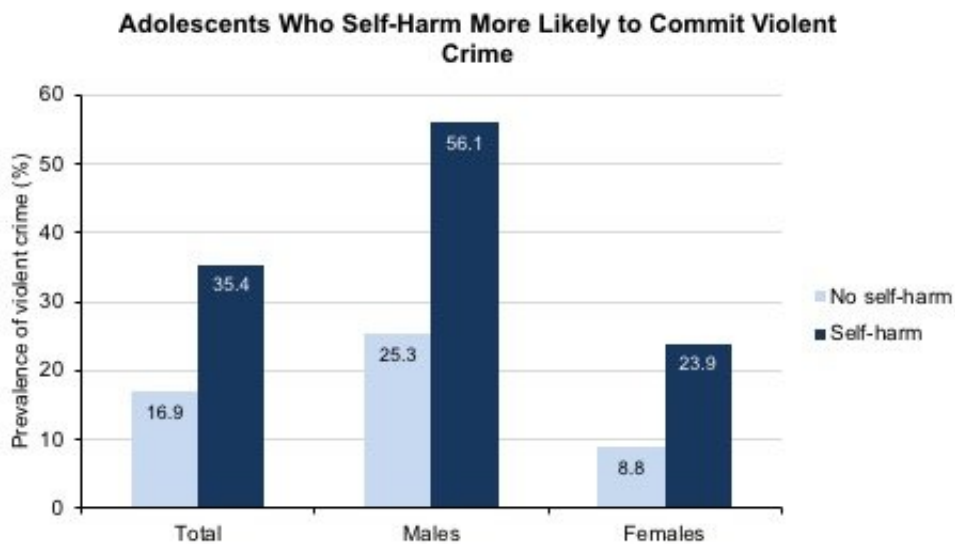


# Adolescents who self-harm more likely to commit violent crime

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Young people who self-harm are three times more likely to commit violent crime than those who do not, according to new research from the Center for Child and Family Policy at Duke University. Credit: Duke Center for Child and Family Policy

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The study also found [young people](#) who [harm](#) themselves and commit [violent crime](#)—"dual harmers"—are more likely to have a history of

childhood maltreatment and lower [self-control](#) than those who only self-harm. Thus, programs aimed at preventing childhood maltreatment or improving self-control among self-harmers could help prevent violent crime, the authors state.

Rates of self-harm—deliberately harming oneself, often by cutting or burning—have increased substantially among adolescents in recent years both in the United States and the United Kingdom. In the U.S., roughly one in four teenage girls try to harm themselves and one in 10 teenage boys. In the U.K., the yearly incidence of self-injury among [teenage girls](#) has risen by nearly 70 percent in three years.

"We know that some individuals who self-harm also inflict harm on others," said Leah Richmond-Rakerd, lead author of the study. "What has not been clear is whether there are early-life characteristics or experiences that increase the risk of violent offending among individuals who self-harm. Identifying these risk factors could guide interventions that prevent and reduce interpersonal violence."

In the study, published in *The American Journal of Psychiatry*, Richmond-Rakerd and researchers from Duke and King's College London compared young people who engage in "dual-harm" behavior with those who only self-harm.

Participants were from the Environmental Risk (E-Risk) Longitudinal Twin Study, a nationally representative U.K. cohort of 2,232 twins born in 1994 and 1995 who have been followed across the first two decades of life. Self-harm in adolescence was assessed through interviews at age 18. Violent offenses were assessed using a computer questionnaire at age 18 and police records through age 22.

"By comparing twins who grew up in the same family, we were able to test whether self-harm and violent crime go together merely because

they come from the same genetic or family [risk factors](#)," said Terrie E. Moffitt of Duke University, founder of the E-Risk Study. "They did not. This means that young people who [self-harm](#) may see violence as a way of solving problems and begin to use it against others as well as themselves."

Researchers also found that those who committed violence against both themselves and others were more likely to have experienced victimization in adolescence. They also had higher rates of psychotic symptoms and substance dependence.

"Our study suggests that dual-harming adolescents have experienced self-control difficulties and been victims of violence from a young age," said Richmond-Rakerd. "A treatment-oriented rather than punishment-oriented approach is indicated to meet these individuals' needs."

**More information:** "Adolescents Who Self-Harm and Commit Violent Crime: Testing early-life predictors of dual harm in a longitudinal cohort study," Leah S. Richmond-Rakerd, Avshalom Caspi, Louise Arseneault, Jessie R. Baldwin, Andrea Danese, Renate M. Houts, Timothy Matthews, Jasmin Wertz, and Terrie E. Moffitt. *The American Journal of Psychiatry*, Jan. 4, 2019. [DOI: 10.1176/appi.ajp.2018.18060740](#)

Provided by Duke University

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