

# Study links tooth loss to depression and anxiety

March 20 2014

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Today, at the 43rd Annual Meeting & Exhibition of the American Association for Dental Research (AADR), held in conjunction with the 38th Annual Meeting of the Canadian Association for Dental Research, R. Constance Wiener, from West Virginia University, Morgantown, will present a research study titled "Association of Tooth Loss and Depression and Anxiety."

Tooth loss from caries and periodontal disease is an outcome from complex, chronic conditions. Several biopsychosocial factors are involved, including accessing care. Individuals reporting dental anxiety may avoid dental care; and individuals with [depression](#) may be negligent in self-care. In this study, researchers examined a potential association of tooth loss with depression and anxiety.

The Behavioral Risk Factor Surveillance System (BRFSS) Survey is a complex, telephone survey of the Centers for Disease Control and Prevention and state health departments. In this study, the researchers used the BRFSS 2010 data (451,075 respondents). Analysis involved frequency, Chi square analysis, and complex survey logistic regression. Participants eligibility included being 19 years or older, and having complete data on depression, anxiety and tooth loss.

There were 76,292 eligible participants; and 13.4% of participants reported anxiety, 16.7% reported depression, and 5.7% reported total tooth loss. The sample was evenly distributed between males and females; there were 68.7% non-Hispanic whites, 12.7% non-Hispanic

blacks, 12.5% Hispanics, and 6.8% other. In Chi-square analysis by tooth loss: depression, anxiety, and a combined category of depression or anxiety were significantly different in tooth loss (p

Citation: Study links tooth loss to depression and anxiety (2014, March 20) retrieved 24 April 2024 from <https://medicalxpress.com/news/2014-03-links-tooth-loss-depression-anxiety.html>

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