

Predictors of substance abuse identified among teens with bipolar disorder

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A study published in the October 2013 issue of the *Journal of the American Academy of Child and Adolescent Psychiatry* found that approximately one in three teens with bipolar disorder developed substance abuse, for the first time, during 4 years of follow-up. The study also identified several risk factors that predicted who among these teens was most likely to develop substance abuse.

Using data from the Course and Outcome of Bipolar Youth (COBY) study, a group of researchers led by Dr. Benjamin Goldstein, of the University of Toronto and the University of Pittsburgh, examined 167 youth, ages 12-17 years, to document the frequency and possible predictors of first-onset [substance abuse](#). Participants in the study were interviewed an average of 7 times over the course of 4 years in order to examine their symptoms, functioning, [stressors](#), and treatment.

The study found that 32% of adolescents in COBY developed abuse or dependence of alcohol or drugs, on average 2.7 years from the start of the study. Repeated experimentation with alcohol at the start of the study was the single strongest predictor of later substance abuse, although experimentation with cannabis also predicted later substance abuse. Five other factors present at the start of the study also predicted later substance abuse: oppositional defiant disorder, panic disorder, family history of substance abuse, low family cohesiveness, and absence of antidepressant treatment. Among teens with 3 or more [risk factors](#), 54.7% went on to develop substance abuse, compared to 14.1% of [teens](#) with 0-2 risk factors.

The COBY study, funded by the National Institute of Mental Health, is the largest longitudinal study of children and adolescents with [bipolar disorder](#). The 3-site study enrolled participants at Brown University, UCLA, and the University of Pittsburgh. COBY is continuing to follow these adolescents into their twenties and thirties.

Dr. Goldstein highlighted the risk associated with experimental substance use "in the case of adolescents with bipolar disorder, even so-called recreational substance use is playing with fire." He concluded "we appear to have this window of 2-3 years during which we can attempt to prevent substance abuse in these youth. This study provides some clues regarding the types of preventive strategies that may be useful."

More information: The article "Predictors of First-Onset Substance Use Disorders During the Prospective Course of Bipolar Spectrum Disorders in Adolescents" by Benjamin I. Goldstein, Michael Strober, David Axelson, Tina R. Goldstein, Mary Kay Gill, Heather Hower, Daniel Dickstein, Jeffrey Hunt, Shirley Yen, Eunice Kim, Wonho Ha, Fangzi Liao, Jieyu Fan, Satish Iyengar, Neal D. Ryan, Martin B. Keller, and Boris Birmaher, ([dx.doi.org/10.1016/j.jaac.2013.07.009](https://doi.org/10.1016/j.jaac.2013.07.009)) appears in the *Journal of the American Academy of Child and Adolescent Psychiatry*, Volume 52, Issue 10 (October 2013)

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