

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Bray, Bethany C.	POSITION TITLE Assistant Director, The Methodology Center		
eRA COMMONS USER NAME BCBRAY			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
The University of Michigan—Dearborn	B.S.	2000	Mathematics & Statistics
The Pennsylvania State University	M.S.	2005	Human Development & Family Studies
The Pennsylvania State University	M.A.S.	2006	Applied Statistics
The Pennsylvania State University	Ph.D.	2007	Human Development & Family Studies

A. Positions and Honors.**Positions and Employment**

1999-2000 Research Assistant, College of Arts, Sciences, and Letters, U of Michigan—Dearborn
 2001-2002 Graduate Research Assistant, The Methodology Center, U of Michigan
 2002-2005 Graduate Research Assistant, The Methodology Center, Penn State
 2005-2007 Pre-doctoral Research Fellow, The Methodology and Prevention Research Centers, Penn State
 2007- Assistant Director, The Methodology Center, Penn State
 2007- Research Associate, The Methodology Center, Penn State

Honors

2008 National Council on Problem Gambling Outstanding Dissertation Award

B. Selected peer-reviewed publications (in chronological order).

1. Bray, B. C., Almirall, D., Zimmerman, R. S., Lynam, D., & Murphy, S. A. (2006). Assessing the total effect of time-varying predictors in prevention research. *Prevention Science*, 7(1), 1-17.
2. Ridenour, T. A., Bray, B. C., & Cottler, L. B. (2007). Reliability of use, abuse, and dependence of four types of inhalants in adolescents and young adults. *Drug and Alcohol Dependence*, 91(1), 40-49.
3. White, H. R., Bray, B. C., Flemming, C. N., Catalano, R. F. (in press). Transitions into and out of light and intermittent smoking from adolescence into emerging adulthood. *Nicotine and Tobacco Research*.

C. Research Support.**Ongoing Research Support**

(no number) Bray (PI, 20% effort) 06/01/08-05/31/10 Total Costs: \$100,000

Alcohol Beverage Medical Research Foundation (ABMRF)

Alcohol Use and Gambling in College: Examining Unique Aspects, Shared Aspects, and Event-level Co-occurrence of Behaviors

This study extends an existing, longitudinal daily diary study of alcohol use and sexual behavior among college students (The University Life Study, R01-AA-016016) to: (a) add the assessment of gambling and related constructs, (b) analyze the comorbidity and event-level co-occurrence of alcohol use and gambling, and (c) disseminate the results. Specific aims are to: (1) identify shared person-level and contextual risk factors of alcohol use and gambling, (2) identify shared patterns of motivations to use alcohol and to gamble, and (3) identify person-level and contextual predictors of event-level co-occurrence of alcohol use and gambling.

(no number) Bray (PI, 20% effort) 09/01/07-08/31/08 Total Costs: \$17,610

The Methodology Center, The Pennsylvania State University

Understanding the Comorbidity Between Gambling and Substance Use Through the Development and Application of Latent Class Methodologies

This study is comprised of two smaller projects. Each project is focused on developing a grant proposal. The first project is aimed at conducting preliminary work necessary for developing a grant proposal for the Alcohol Beverage Medical Research Foundation (ABMRF); the second project is aimed at conducting preliminary work necessary for developing a grant proposal for the National Institutes of Health (NIH).

(no number) Bray (PI) 03/01/08-08/31/08 Total Costs: \$1,500
The Children, Youth and Families Consortium (CYFC) of the Social Science Research Institute (SSRI), The Pennsylvania State University

Unique and Shared Aspects of Alcohol Use and Gambling in College: A Pilot Study to Inform Behavior Assessment

This study pilot tests survey questions about gambling to be used in a larger study funded by the Alcohol Beverage Medical Research Foundation (ABMRF) on the daily, event-level co-occurrence of alcohol use and gambling. Specific aims are to: (1) evaluate the wording and presentation of questions about gambling behavior, motivations, and experiences among undergraduate college students, and (2) conduct pilot analyses to examine the relation between gambling and alcohol use behavior, motivations, and expectancies.

5P50DA10075-11 Collins (PI) 05/01/97-08/31/10
National Institute on Drug Abuse (NIDA), The National Institutes of Health (NIH)
Center for Prevention and Treatment Methodology (The Methodology Center)
The overall theme of the center is bringing prevention and treatment science and statistics together to enhance drug abuse prevention and treatment research methodology.
Role: Investigator

Completed Research Support

5T32DA017629-02 Greenberg (PI) 07/01/05-06/30/10
National Institute on Drug Abuse (NIDA), The National Institutes of Health (NIH)
Prevention and Methodology Training (PAMT) Program
The overall theme of the program is training pre- and post-doctoral fellows in the development and application of cutting-edge research methods in the design and evaluation of substance abuse and comorbid behavior prevention programs for children, youth, families, and communities.
Role: Pre-doctoral Research Fellow