

Rebecca Evans-Polce, Ph.D.

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Education

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| 2013-2016 | Postdoctoral Fellow, Prevention and Methodology Training Program
Pennsylvania State University, University Park, PA |
| 2008-2012 | Ph.D., Health, Behavior and Society
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD |
| 2002-2006 | B.S., Biopsychology and Cognitive Science
University of Michigan, Ann Arbor, MI |

Research Support

Pending

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| 2016 | Co-Investigator – National Institute on Alcohol Abuse and Alcoholism, <i>High-intensity drinking and related consequences: Daily data from a national sample aged 19 to 22</i> , R01 AA023504. Status: Submitted 11/2016 |
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Current

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| 2016-present | Research Investigator – National Institute on Drug Abuse and National Institute on Alcohol Abuse and Alcoholism, <i>Dynamic Links Between Risk Factors, Substance Use, and Consequences: Ages 18 to 35</i> (R01DA037902) and <i>Extreme Binge Drinking During the Transition to Adulthood</i> (R01AA023504), Youth and Social Issues, University of Michigan-Ann Arbor |
| 2016-present | Consultant – National Institute on Drug Abuse, <i>Age-varying effects in the epidemiology of drug abuse</i> (R01DA039854), The Methodology Center, Pennsylvania State University |

Previous

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| 2013-2016 | Postdoctoral Fellow – National Institute on Drug Abuse, Prevention and Methodology Training Program Institutional Kirschstein Award, |
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(T32DA017629), Pennsylvania State University

2008-2012

Doctoral Trainee – National Institute on Drug Abuse, Drug Dependence
Epidemiology Training Program Institutional Kirschstein Award
(T32DA007292), Johns Hopkins University Bloomberg School of Public
Health

Research/Professional Experience

- 2016-present **University of Michigan, Survey Research Center, Institute for Social Research**
- Research Investigator
 - Engaging in independent and collaborative research on the dynamic and heterogeneous nature of substance use across the life course, using innovative research methods.
- 2013-2016 **Pennsylvania State University, Prevention Research Center and The Methodology Center**
- Postdoctoral Fellow
 - Applying innovative research methods, including time-varying effect modeling, latent class analysis, and multilevel modeling, to research on alcohol, tobacco, and marijuana use across the life course
- 2008-2012 **Johns Hopkins Bloomberg School of Public Health, Department of Health, Behavior, and Society (PI: Margaret Ensminger)**
- Doctoral student researcher
 - Examining how behavioral, social, and contextual factors over the life course impact later substance use, substance use treatment, and mortality.
- 2006-2008 **National Institute on Drug Abuse, Nicotine Psychopharmacology Unit (PIs: Kenzie Preston & Stephen Heishman)**
- Post-baccalaureate research fellow
 - Developing and implementing research on cognitive effects of nicotine and patterns of nicotine craving and relapse. Running experiments, analyzing data, preparing manuscripts, reviewing literature.
- 2006 **Uniformed Services University of the Health Sciences, Clinical Psychophysiology and Psychopharmacology Laboratory (PI: Frances Gabbay)**
- Research assistant
 - Initiating a research project using neuropsychological ERP methodology. Developing questionnaires and materials for study, running ERP experiments, recruiting participants, reviewing literature.
- 2004 **University of Michigan, Department of Pharmacology (PI: James Woods)**
- Research assistant
 - Assisting in research on the effects of cocaine esterase on cocaine overdose in rats. Performing animal injections and running experiments, reviewing data.
- 2003-2004 **University of Michigan, School of Nursing, Family Health Clinic (PI: Elaine McIntosh)**
- Research assistant
 - Recruiting for and implementing a health program at a medical clinic for patients at risk for heart disease and diabetes.

- 2002-2003 **University of Michigan, Department of Social Work, Family Development Project** (PI: Michael Spencer)
- Research assistant
 - Conducting community-based participatory research to assess the needs of Head Start programs in southeast Detroit, Assisting with the development of educational materials on child mental health for the Headstart community.

Teaching Experience

- 2014-2015 Guest Lecturer, The Pennsylvania State University
Introduction to Time-Vary Effect Models, Introduction to Human Development and Family Studies
- 2012 Lead Teaching Assistant, Johns Hopkins Bloomberg School of Public Health
Research Design in the Social and Behavioral Sciences
- 2009-2012 Teaching Assistant, Johns Hopkins Bloomberg School of Public Health
Psychosocial Factors in Health and Illness, Research Design in the Social and Behavioral Sciences, Program Planning for Health Behavior Change

Publications

Manuscripts

Evans-Polce, R. J., Patrick, M. E., & O'Malley, P. M. (2017). Prospective associations of 12th grade drinking intensity and age 19/20 driving-related consequences in a national sample. *Journal of Adolescent Health, 61*(3), 389-391. doi: 10.1016/j.jadohealth.2017.04.016

Evans-Polce, R.J., Maggs, J.L., Staff, J., & Lanza, S.T. (2017). The age-varying association of student status with excessive alcohol use: Ages 18 to 30 years. *Alcoholism: Clinical and Experimental Research, 41*(2), 407-413. doi: 10.1111/acer.13294. PMID: PMC5272785

Patrick, M. E., **Evans-Polce, R. J.**, Kloska, D. D., Maggs, J. L., & Lanza, S. T. (2017). Age-related changes in associations between reasons for alcohol use and high-intensity drinking across young adulthood. *Journal of Studies on Alcohol and Drugs, 78*(4), 558-570. doi: 10.15288/jsad.2017.78.558

Evans-Polce, R. J. & Schuler, M. S. (2016). Rates of past-year alcohol treatment across two-time metrics and differences by alcohol use disorder severity and mental health comorbidities. *Drug and Alcohol Dependence, 166*, 194-201. doi: 10.1016/j.drugalcdep.2016.07.010. PMID: PMC4991640

Evans-Polce, R. J., Staff, J., & Maggs, J. L. (2016). Alcohol abstention in early adulthood and premature mortality: Do early life factors, social support, and health explain this association? *Social Science & Medicine, 163*, 71-79. doi:10.1016/j.socscimed.2016.06.052. PMID: PMC4970918

Staff, J., Cundiff, K., Maggs, J. & **Evans-Polce, R.J.** (2016). Childhood cigarette and alcohol use: Negative links with school engagement, academic achievement, and wellbeing. *Addictive Behaviors*, 62, 122-128. doi:10.1016/j.addbeh.2016.06.022. PMID: PMC4955834

Evans-Polce, R. J., Lanza, S. T., & Maggs, J. L. (2015). Heterogeneity of alcohol, tobacco, and other substance use behaviors in U.S. college students: A latent class analysis. *Addictive Behaviors*, 53, 80-85. 10.1016/j.addbeh.2015.10.010. PMID: PMC4712642

Evans-Polce, R. J., Castaldelli-Maia, J. M., Schomerus, G., & Evans-Lacko, S. E. (2015). The downside of tobacco control? Smoking self-stigma: a systematic review. *Social Science & Medicine*, 145, 26-34. doi:10.1016/j.socscimed.2015.09.026 PMID: PMC4630105

Patrick, M. E., **Evans-Polce, R. J.**, & Maggs, J. L. (2015). Alcohol mixed with energy drinks as a predictor of alcohol-related consequences up to two years later: The authors respond. *Journal of Studies on Alcohol and Drugs*, 76(2), 346-347. doi: 10.15288/jsad.2015.76.346. PMID: PMC4161695

Evans-Polce, R. J., Vasilenko, S. A., & Lanza, S. T. (2015). Changes in gender and racial/ethnic disparities in rates of cigarette use, regular heavy episodic drinking, and marijuana use: Ages 14 to 32. *Addictive Behaviors*, 41, 218-222. doi:10.1016/j.addbeh.2014.10.029. PMID: PMC4314406

Evans-Polce, R. J., Doherty, E. E., & Ensminger, M. E. (2014). Taking a life course approach to studying substance use treatment among a community cohort of African American substance users. *Drug and Alcohol Dependence*, 142, 216-223. doi: 10.1016/j.drugalcdep.2014.06.025. PMID: PMC4127101

Patrick, M. E., **Evans-Polce, R. J.**, & Maggs, J. L. (2014). Alcohol mixed with energy drinks as a predictor of alcohol-related consequences up to two years later. *Journal of Studies on Alcohol and Drugs*, 75(5), 753-757. PMID: PMC4161695

Juon, H. S., **Evans-Polce, R. J.**, & Ensminger, M. E. (2013). Early-life origins of mortality among inner-city African-Americans. *American Journal of Public Health*, 104(3), 548-54. doi: 10.2105/AJPH.2013.301228. PMID: PMC3915037

Evans-Polce, R., Hulbert, A., & Latkin, C. (2012). The association of multiple neighborhood perceptions with depression among a highly impoverished urban sample. *Journal of Community Psychology*, 41(1), 52-64. doi: 10.1002/jcop.21510. PMID: PMC4219739

Marrone, G. F., Paulpillai, M., **Evans, R. J.**, Singleton, E. G., & Heishman, S. J. (2010). Breath carbon monoxide and semiquantitative saliva cotinine as biomarkers for smoking. *Human Psychopharmacology*, 25(1), 80-83. PMID: PMC2805052

Heishman, S. J., **Evans, R. J.**, Singleton, E. G., Levin, K. H., Copersino, M. L., & Gorelick, D. A. (2009). Reliability and validity of a short form of the Marijuana Craving Questionnaire. *Drug and Alcohol Dependence*, 102(1-3), 35-40. PMID: PMC2694410.

Manuscripts under Review

Evans-Polce, R. J., Schuler, M. S., Schulenberg, J. E., & Patrick, M. E. (under review). The association of sensation seeking with substance use across young adulthood: Differences across age and gender.

Evans-Polce, R. J., Patrick, M. E., Lanza, S.T., Miech, R. M., O'Malley, P. M., & Johnston, L. (under review). Reasons for vaping among U.S. 12th graders: A latent class analysis.

Jang, B., Schuler, M. S., **Evans-Polce, R. J.**, Patrick, M. E. (under revision). The association between young adult substance use and adult substance use disorder: Marriage as a causal pathway.

Patrick, M. E., Terry-McElrath, Y., **Evans-Polce, R. J.**, & Schulenberg, J. E. (under review). Consequences of alcohol and marijuana use in the past year among young adults ages 19 and 20.

Schuler, M. S., Rice, C. E., **Evans-Polce, R. J.** (under revision). Age trends in the disparities in substance use behaviors and disorders among sexual minorities.

Vasilenko, S. A., **Evans-Polce, R. J.**, & Lanza, S. T. (under revision). Changes in rates of substance use disorders across ages 18-90: Differences by gender and race/ethnicity.

Book chapters

Doherty, E. E., Ensminger, M. E., & **Evans-Polce, R. J.** (alphabetical listing; 2014). Public health and interpersonal violence. In P. Fagan, A. Gielen, L. Green, & S. Kahan (Eds.), *Health behavior change in populations: An applied approach*. Baltimore, MD: Johns Hopkins University Press.

Presentations

Evans-Polce, R. J., Patrick, M. E., & O'Malley, P. (2017, June). Prospective associations of 12th grade drinking intensity and age 19/20 driving-related consequences in a national sample. Poster presented at the Research Society on Alcoholism Scientific Meeting in Denver, Colorado.

Evans-Polce, R. J., Patrick, M. E., & Miech, R. A. (2017, May). *Patterns of reasons for vaping in a national sample of adolescent vapers*. Paper presented at the Society for Prevention Research Conference in Washington, DC.

Jang, J. B., Schuler, M. S., **Evans-Polce, R. J.**, & Patrick, M. E. (2017, May). *The mediated effect of marriage on the association between early and middle adults' alcohol use behaviors*. Paper presented at the Society for Prevention Research Conference in Washington, DC.

Evans-Polce, R. J., Maggs, J. L., Lanza, S. T., & Staff, J. (2016, March). The Age-varying association

of student and employment status with excessive alcohol use: ages 18 to 30. In Patrick, M.E. (Chair), *The Ins and Outs of the Transition to Adulthood: Social Role Transitions and Substance Use*. Paper presented at the Biennial meeting for the Society of Research on Adolescence, Baltimore, MD.

Evans-Polce, R. J. & Schuler, M. S. (2015, June). *Heterogeneity of lifetime alcohol use treatment services: A latent class analysis*. Poster presented at the College on Problems of Drug Dependence, Phoenix, AZ.

Evans-Polce, R. J., Patrick, M. E., & Maggs, J. L. (2015, May). *Alcohol mixed with energy drinks as a predictor of alcohol-related consequences up to two years later*. Poster presented at the Society for Prevention Research Annual Meeting, Washington, D.C.

Evans-Polce, R. J., Vasilenko, S. A., & Lanza, S. T. (2014, May). Using time-varying effect modeling to examine differences in cigarette use, regular heavy episodic drinking, and marijuana use prevalence across age by gender and race/ethnicity. In **Evans-Polce, R.J.** (Chair), *A New Approach to Model the Etiology of Health Risk Behavior: Estimating change over historical time, developmental time, and time from an event*. Paper presented at the Society for Prevention Research Annual Meeting, Washington, D.C.

Lanza, S. L., Vasilenko, S. A., & **Evans-Polce, R. J.** (2013, November). *The Future of regression: Time-varying effect models to explore historical and developmental shifts in coefficients*. Presented at The Prevention Research Center Fall Seminar Series. The Pennsylvania State University, University Park, PA.

Maggs, J., **Evans-Polce, R. J.**, Patrick, M., Staff, J., Morgan, N., & Schulenberg, J. (2013, October). *Drinking patterns predict early mortality up to 17 years later in the national child development study*. Paper presented at the Society for Longitudinal and Life Course Studies International Conference, Amsterdam, NL.

Evans-Polce, R. J., Doherty, E., & Ensminger, M. (2012, June). *Life Course Predictors of Obtaining Treatment for substance use among a cohort of African American substance users*. Poster presented at the 74th Annual meeting of the College on Problems of Drug Dependence, Palm Springs, CA.

Evans-Polce, R. J., Duncan, A., & Ensminger, M. (2011, October). *Effect of severity on treatment entry following substance abuse onset*. Poster presented at the Annual meeting of the American Public Health Association, Washington, DC.

Evans-Polce, R. J., Hulbert, A., & Latkin C. (2011, May). *The association of multiple neighborhood factors with depression*. Poster presented at the Society for Prevention Research Annual Meeting, Washington, DC.

Evans, R. J., Goldweber, A., & Latimer, W. (2010, June). *Neighborhood Risk and Protective Factor*

Influences on School Conduct and Performance. Poster presented at the 72nd Annual meeting of the College on Problems of Drug Dependence, Scottsdale, AZ.

Juon, H. S., **Evans, R. J.**, & Ensminger, M. E. (2010, May). *Early-life origins of mortality among inner-city African-Americans*. Poster presented at the Society for Prevention Research Annual Meeting, Denver, CO.

Preston, K. L., Heishman, S. J., **Evans, R. J.**, Marrone, G., & Epstein, D. H. (2009, June). *Craving and use of tobacco and cocaine: Findings from an ecological momentary assessment (EMA) study with polydrug users at a methadone clinic*. Poster presented at the 71th Annual Meeting of the College on Problems of Drug Dependence, Reno, NV.

Evans, R. J., Floyd, L., Hill, E., & Latimer, W. W. (2009, June). *Drug market activity influence on adolescent school conduct*, Poster presented at the 71th Annual Meeting of the College on Problems of Drug Dependence, Reno, NV.

Evans, R. J., Gorelick, D. A., Singleton, E. G., Levin, K. H., & Heishman, S. J. (2008, June). *Reliability and validity of a short form of the marijuana craving questionnaire*. Poster presented at the 70th Annual Meeting of the College on Problems of Drug Dependence, San Juan, PR.

Bedi, G., Preston, K., Epstein, D., **Evans, R. J.**, Heishman, S., & de Wit, H. (2008, February). *Smoking related cue reactivity in habitual smokers: does it abate or increase with abstinence?* Poster presented at the Society for Research on Nicotine and Tobacco 14th Annual Meeting, Portland, OR.

Paulpillai, M., **Evans, R. J.**, Singleton, E., Taylor, R., Moolchan, E., Myers, C., & Heishman, S. (2008, February). *Breath carbon monoxide as a biomarker for smoking in an urban sample*. Poster presented at the Society for Research on Nicotine and Tobacco 14th Annual Meeting, Portland, OR.

Awards

2014, 2015, 2017	SPR Early Career Prevention Network Travel Award
2006-2008	NIH Post-Baccalaureate Intramural Research Training Award
2004-2006	University Honors – University of Michigan
2002	Skandalaris Family Foundation scholarship
2002	Rotary International scholarship

Affiliations and Service

Professional Affiliations

2015-present	Society for Research on Adolescence, new professional member
2011-present	American Public Health Association, early career member

2010-present Society for Prevention Research, member
2009-present College of Problems on Drug Dependence, member-in-training

Ad Hoc Journal Reviewer

2017 Alcoholism: Clinical and Experimental Research
2017 American Journal of Drug and Alcohol Addiction
2016 Prevention Science
2016 Social Science and Medicine
2015-16 Drug and Alcohol Dependence
2015-16 American Journal of Preventive Medicine
2015 Journal of Studies on Alcohol and Drugs
2014-17 Addictive Behaviors
2014-15 American Journal of Public Health
2013 BMC Public Health

Committees

2012 JHSPH student representative, doctoral core methods course development

Other

2015 Society for Research on Adolescence abstract reviewer
2014-2015 Society for Prevention Research abstract reviewer
2007 Bayview Pharmacology Research Unit discussion group

Relevant Coursework

2013 Intensive Longitudinal Data Methods
2009-2011 Survival Analysis, Longitudinal Data Analysis Methods, Statistics for Psychosocial Research: Measurement and Structural Models, Causal Inference Methods
2008-2009 Epidemiologic Methods, Introduction to Biostatistics, coursework in social and behavioral theory
2007 Principles of Clinical Pharmacology, NIH Clinical Center (site coordinator and participant)
2003-2006 Psychopathology, Drugs of Abuse, Psychology Research Methods.

Special Skills

- Proficient in STATA, SPSS, SAS
- Course work and experience with SAS, MPlus and R statistical packages
- Fluent in Spanish

References available on request.