Stephanie T. Lanza, PhD

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Current Academic Position, The Pennsylvania State University

2017-	*C. Eugene Bennett Chair in Prevention Research*
2017-	*Director,* Edna Bennett Pierce Prevention Research Center
2018-	*Interim Director*, Consortium to Combat Substance Abuse
2016-	*Professor*, Biobehavioral Health
2016-	*Professor*, Human Development and Family Studies (courtesy appointment)

Education

2003	**Ph.D.**	Human Development and Family Studies, The Pennsylvania State University
2002	**M.A.S.**	Applied Statistics, The Pennsylvania State University
1998	**M.S.**	Human Development and Family Studies, The Pennsylvania State University
1992	**B.S.**	Mathematical Science, Statistics Option, The University of North Carolina at Chapel Hill
1992	**B.A.**	Psychology, The University of North Carolina at Chapel Hill

Research Interests and Collaborative Skills

My career is devoted to advancing prevention research in behavioral health through the development and application of innovative quantitative methods. I focus this work in two key areas. First, I work on extensions to latent class analysis so that researchers can discover hidden subgroups in their data and understand antecedents and consequences of their membership. Second, I focus on translating time-varying effect models, which have been described in the statistical literature, for behavioral and health scientists and solve problems that arise in their application. These models enable scientists to examine regression coefficients as a continuous function of age or time, often using intensive longitudinal data. I believe that (a) new methods for analyzing existing data hold enormous potential to unlock critical scientific knowledge, and (b) this potential will not be realized until behavioral and health scientists begin to assimilate and apply them in their research. This philosophy is evidenced by the extensive network of collaborators I have built, which includes statisticians, developmentalists, engineers, psychologists, and psychiatrists, and by my devotion to the dissemination of new methods to behavioral and health scientists everywhere.

Honors and Awards

2015-2018	Member, Society for Prevention Research Board of Directors
2012-2016	Associate Editor, *Prevention Science*
2014	Society for Prevention Research Friend of ECPN Mentoring Award
2008	Society for Prevention Research Early Career Award
2001-2002	Penn State: Kligman Pre-doctoral Fellowship

Previous Positions

2004-2017	Penn State: Scientific Director, The Methodology Center
2011-2015	Penn State: Research Associate Professor, Health and Human Development
2014-2015	Penn State: Acting Director, The Methodology Center
2009-2011	Penn State: Senior Research Associate, The Methodology Center
2004-2009	Penn State: Research Associate, The Methodology Center
2003-2004	The University of North Carolina at Chapel Hill: Assistant Professor of Psychology and Investigator, FPG Child Development Institute
2001-2004	Tobacco Etiology Research Network (TERN): Project Statistician
1996-2001	The Pennsylvania State University: Graduate Research Assistant, The Methodology Center
1995-1996	Glaxo-Wellcome Pharmaceuticals, Cary, NC: Statistical Programmer, Glaxo-Wellcome Pharmaceuticals
1992-1995	FGI Inc. Marketing Research, Chapel Hill, NC: Data Analyst

Research Support

Active

Principal Investigator (NIH/NIDA R01-DA039854)
Age-Varying Effects in the Epidemiology of Drug Abuse
Project dates: 7/1/2015-6/30/2019
$668,760

Principal Investigator (Scientific Project) (NIH/NIDA P50-DA039838; Center PI: Linda Collins)
Center for Complex Data to Knowledge in Drug Abuse and HIV Behavioral Science:
    Multidimensional and Dynamic Moderation in Drug Abuse and HIV Studies
Project dates: 9/1/2015-8/31/2020
$2,434,457

Investigator (Core Project) (NIH/NIDA P50-DA039838; Center PI: Linda Collins)
(Served as Principal Investigator through 8/31/2017)
Center for Complex Data to Knowledge in Drug Abuse and HIV Behavioral Science:
    Pilot, Mentoring, and Professional Development Core
Project dates: 9/1/2015-8/31/2020
$1,442,496

Investigator (NIH/NIDA R13-DA020334)
(Served as Principal Investigator through 8/1/2017)
Drug Abuse and HIV Prevention Research Methodology Conferences: Summer Institute on Innovative Methods
Project dates: 6/15/2016-6/14/2021
$125,000

Investigator (NIH/NIA UH2-AG052167; PI: David Almeida)
Everyday Stress Response Targets in Science of Behavior Change
Project dates: 9/1/2015-8/31/2020

Investigator (NIH/NIDA R01-DA037902; PI: Megan Patrick, University of Michigan)
Dynamic Links between Risk Factors, Substance Use, and Consequences: Ages 18-35
Project dates: 4/1/2015-12/31/2018

Consultant (NIH/NIMH R03-MH112015; PI: Susan De Luca, University of Texas, Austin)
Suicidal trajectories from early adolescence into young adulthood in a national sample
Project dates: 5/1/2017-3/31/2019

Completed Research Support (only projects as PI listed)

2012-2016 **Principal Investigator** – Advancing Tobacco Research by Integrating Systems Science and Mixture Models, $502,754 (R01-CA168676)
2011-2016 **Principal Investigator** – Drug Abuse and HIV Prevention Research Methodology Conferences: Summer Institute on Innovative Methods, NIDA - $125,000 (R13-DA020334)
2010-2015 **Principal Investigator (Scientific Project)** – Center for Prevention and Treatment Methodology: Advances in Finite Mixture Modeling for Substance Use and HIV Research (Center PI: Linda Collins), NIDA – $1,026,901 (P50-DA10075)
2010-2015 **Principal Investigator (Core Project)** – Center for Prevention and Treatment Methodology: Software Development and Technology Transfer Core (Center PI: Linda Collins), NIDA – $1,532,211 (P50-DA10075)
2012 **Principal Investigator** – Joint Modeling of the Effects of Substance Use on Changes in CD4 and on Survival Time of Women with HIV, NIDA – $70,463 (supplement to Women's Interagency HIV Study Collaboration Grant, U01-AI031834)
2005-2010 **Principal Investigator (Core Project)** – Center for Prevention and Treatment Methodology: Software Development Core (Center PI: Linda Collins), NIDA – $1,078,699 (P50-DA10075)
2005-2010 **Principal Investigator** – Drug Abuse Prevention Research Methodology Conferences: Summer Institute on Longitudinal Methods, NIDA – $125,000 (R13-DA020334)
2007-2009 **Principal Investigator** – Identifying Risk Profiles for Substance Use and Comorbid Behavior, NIDA – $125,730 (R03-DA023032)
2005 **Principal Investigator** – An Investigation of Methods for Risk Assessment and Analysis, Social Science Research Institute Seed Grant, The Pennsylvania State University – $4800

Publications

Books

Collins, L. M., & **Lanza**, S. T. (2010). *Latent class and latent transition analysis: With applications in the social, behavioral, and health sciences.* New York: Wiley.

Editor: Special Journal Issues (Peer Reviewed)

Lanza, S. T., Piper, M. E., & Shiffman, S. (Eds.) (2014). New methods for advancing research on tobacco dependence using ecological momentary assessments. *Nicotine and Tobacco Research, 16 Suppl 2.*

Note. Funding for issue provided by NIH National Cancer Institute and Office of Behavioral and Social Science Research

Peer-Reviewed Journal Articles

133. Evans-Polce, R. J., Patrick, M. E., **Lanza**, S. T., Miech, R. M., O'Malley, P. M., & Johnston, L. (in press). Reasons for Vaping among US 12th Graders: A Latent Class Analysis. *Journal of Adolescent Health.*

132. Newman, M. G., *Shin, K. E., & **Lanza**, S. T. (in press). Time-Varying Moderation of Treatment Outcomes by Illness Duration and Comorbid Depression in Generalized Anxiety Disorder. *Journal of Consulting and Clinical Psychology.*

131. Patrick, M. E., Terry-McElrath, T., **Lanza**, S. T., Jager, J., Schulenberg, J. E., & O'Malley, P. M. (in press). Shifting Age of Peak Binge Drinking Prevalence: Historical Changes in Normative Trajectories among Young Adults Aged 18 to 30. *Alcoholism: Clinical and Experimental Research.*

130. Rice, C., Vasilenko, S. A., Fish, J. N., & **Lanza**, S. T. (in press). Sexual Minority Health Disparities: An Examination of Age-Related Trends Across Adulthood in a National Cross-Sectional Sample. *Annals of Epidemiology.*

129. Rice, C. E., Fish, J. N., Russell, S. T., & **Lanza**, S. T. (in press). A modern snapshot of discrimination among sexual minorities in a national sample of adults in the United States. *Journal of Homosexuality.*

128. Zawadski, M. J., Scott, S. B., Almeida, D. M., **Lanza**, S. T., Conroy, D. E. Sliwinski, M. J., **Kim, J., **Marcusson-Clavertz, D., Stawski, R. S., Green, P. M., Sciamanna, C. N., & Smyth, J. M. (2019). Understanding Stress Reports in Daily Life: A Coordinated Analysis of Factors Associated with the Frequency of Reporting Stress. *Journal of Behavioral Medicine.*

127. Bray, B. C., Dziak, J. J., Patrick, M. E., & **Lanza**, S. T. (2018). Inverse Propensity Score Weighting with a Latent Class Exposure: Estimating the Causal Effect of Reported Reasons for Alcohol Use on Adulthood Problem Alcohol Use 16 Years Later. *Prevention Science.* https://doi.org/10.1007/s11121-018-0883-8

126. *Braymiller, J. L., Masters, L. D., Linden-Carmichael, A. N., & **Lanza**, S. T. (2018). Contemporary patterns of marijuana use and attitudes among high school seniors: 2010–2016. *Journal of Adolescent Health, 63,* 394-400.

125. Conroy, D. E., Hojjatinia, S., Lagoa, C. M., Yang, C.-H., **Lanza**, S. T., & Smyth, J. M. (2018). Personalize\d Models of Physical Activity Responses to Text Message Micro-interventions: A Proof-of-concept Application of Control Systems Engineering Methods. *Psychology of Sports & Exercise.* https://doi.org/10.1016/j.psychsport.2018.06.011

124. Dierker, L., Selya, A., **Lanza**, S., Li, R., & Rose, J. (2018). Depression and marijuana use disorder symptoms among current marijuana users. *Addictive Behaviors, 76,* 161-168. doi: 10.1016/j.addbeh.2017.08.013 PMCID: PMC5614863

123. **Fish, J. N., Rice, C. E., **Lanza**, S. T., & Russell, S. T. (2018). Is young adulthood a critical period for suicidal behavior among sexual minorities? Results from a US national sample. *Prevention Science.* Advance online publication. doi:10.1007/s11121-018-0878-5

122. Linden-Carmichael, A. N., Dziak, J. J., & **Lanza**, S. T. (2018). Dynamic features of problematic drinking: Alcohol use disorder latent classes across ages 18-64. *Alcohol and Alcoholism.* https://doi.org/10.1093/alcalc/agy074

121. Linden-Carmichael, A. N., Kloska, D. D., Evans-Polce, R., **Lanza**, S. T., & Patrick, M. E. (2018). College Degree Attainment by Age of First Marijuana Use and Parental Education. *Substance Abuse.* doi:10.1080/08897077.2018.1521354

120. Linden-Carmichael, A. N., Russell, M. A., & **Lanza**, S. T. (2018). Flexibly modeling alcohol use disorder risk: How many drinks should we count? *Psychology of Addictive Behaviors.* doi:10.1037/adb0000431

119. Linden-Carmichael, A. N., & **Lanza**, S. T. (2018). Drinking Patterns of College- and Non-College-Attending Young Adults: Is High-Intensity Drinking Only a College Phenomenon? *Substance Use and Misuse*. https://doi.org/10.1080/10826084.2018.1461224

118. Scott, S. B., Sliwinski, M. J., Zawadzki, M., Stawski, R., **Kim, J., **Marcussen-Clavertz, D., **Lanza**, S. T., Conroy, D., Buxton, O., Almeida, D. M., & Smyth, J. M. (2018). A Coordinated Analysis of Variance in Affect in Daily Life. *Assessment*. doi:10.1177/1073191118799460

117. Stawski, R. S., Scott, S. B., Zawadski, M. J., Sliwinski, M. J., **Marcusson-Clavertz, D., **Kim, J., **Lanza**, S. T., Green, P. A., Almeida, D. M., & Smyth, J. M. (2018). Age Differences in Everyday Stressor-Related Negative Affect: A Coordinated Analysis. *Psychology and Aging*. https://doi.org/10.1037/pag0000309

116. **Bekiroglu, K., Russell, M. A., Lagoa, C. M., **Lanza**, S. T., & Piper, M. E. (2017). Evaluating the effect of smoking cessation treatment on a complex dynamical system. *Drug and Alcohol Dependence, 180,* 215-222. doi: 10.1016/j.drugalcdep.2017.07.037

115. **Bekiroglu, K., Lagoa, C., Murphy, S. A., & **Lanza**, S. T. (2017). Control engineering methods for the design of robust behavioral treatments. *IEEE Transactions on Control Systems Technology*, 25, 979-990. doi: 10.1109/TCST.2016.2580661. PMCID: PMC5362168

114. Cleland, C., **Lanza**, S. T., Vasilenko, S. A., & Gwadz, M. (2017). Syndemic risk classes and substance use problems among adults in high-risk urban areas: A latent class analysis. *Frontiers in Public Health: Public Mental Health*, *5,* 237. PMCID: PMC5594078

113. Cook, J. W., **Lanza**, S. T., *Chu, W., Baker, T. B., & Piper, M. E. (2017). Anhedonia: Its dynamic relations with craving, negative affect, and treatment during a quit smoking attempt. *Nicotine and Tobacco Research, 19,* 703-709. PMCID: PMC5423098

112. **Evans-Polce, R., 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,* 407-413. PMCID: PMC5272785

111. **Lanza**, S. T., Russell, M. A., & *Braymiller, J. (2017). Emergence of electronic cigarette use in US adolescents and the link to traditional cigarette use. *Addictive Behaviors, 67,* 38-43. PMCID: PMC5250583

110. Linden-Carmichael, A. N., **Lanza**, S. T., Dziak, J. J., & Bray, B. C. (2017). Contemporary alcohol use patterns among a national sample of U.S. adult drinkers. *Journal of Addictive Diseases, 36,* 222-226. doi: 10.1080/10550887.2017.1338816. PMCID: PMC5656524

109. Linden-Carmichael, A., Vasilenko, S., **Lanza**, S. T., & Maggs, J. (2017). High-intensity drinking versus heavy episodic drinking: Prevalence rates and relative odds of alcohol use disorder across adulthood. *Alcoholism: Clinical and Experimental Research, 41,* 1754-1759. PMCID: PMC28800154

108. Patrick, M. E., Evans-Polce, R., 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,* 558-570. PMCID: In process

107. Piper, M. E., Vasilenko, S. A., Cook, J. W., & **Lanza**, S. T. (2017). What a difference a day makes: differences in initial abstinence response during a smoking cessation attempt. *Addiction, 112,* 330-339. PMCID: PMC5233552

106. **Rice, C. A., Vasilenko, S. A., **Lanza**, S. T., Davis, J. A., Fields, K. S., Ervin, M., & Turner, A. N. (2017). Time since first acting on same-sex attraction and recreational drug use among men who have sex with men (MSM): Is there an effect of "gay age"? *Substance Use and Misuse.* https://doi.org/10.1080/10826084.2017.1388407

105. **Rice, C. E., Turner, A. N., & **Lanza**, S. T. (2017). Sexual behavior latent classes among men who have sex with men: Associations with sexually transmitted infections. *The Journal of Sex Research, 54,* 776-783. PMCID: PMC5479140

104. Smyth, J. M., Sliwinski, M. J., Zawadzki, M. J., Scott, S. B., Conroy, D. C., **Lanza**, S. T., **Marcusson-Clavertz, D., **Kim, J., Stawski, R. S., Stoney, C. M., Buxton, O. M., Sciamanna, C. N., Green, P. M., & Almeida, D. M. (2017). Everyday stress response targets in the science of behavior change. *Behavior Research and Therapy*. Advance online publication. doi: 10.1016/j.brat.2017.09.009

103. Snippe, E., Dziak, J. J., **Lanza**, S. T., Nyklíček, I., Wichers, M. (2017). The shape of change in perceived stress, negative affect, and stress-sensitivity during mindfulness-based stress reduction. *Mindfulness, 8,* 728-736. PMCID: PMC5648363

102. Vasilenko, S. A., Evans-Polce, R., & **Lanza**, S. T. (2017). Age trends in rates of substance use disorders across

ages 18-90: Differences by gender and race/ethnicity. *Drug and Alcohol Dependence, 180,* 260-264. PMCID: In process

101. Vasilenko, S. A., Linden-Carmichael, A., **Lanza**, S. T. & Patrick. M. E. (2017). Sexual behavior and heavy episodic drinking across the transition to adulthood: Differences by college attendance. *Journal of Research on Adolescence.* Advance online publication. doi: 10.1111/jora.12348 NIHMSID: NIHMS901002

100. *Ashour, M., **Bekiroglu, K., Yang, C.-H., Lagoa, C., Conroy, D., Smyth, J., & **Lanza**, S. T. (2016). On the mathematical modeling of the effect of treatment on human physical activity. In *Proceedings of the 2016 IEEE Conference on Control Applications (CCA)* (pp. 1084-1091). Buenos Aires, Argentina: IEEE. PMCID: Exempt (non-periodical)

99. Dziak, J. J., Bray, B. C., *Zhang, J., Zhang, M., & **Lanza**, S. T. (2016). Comparing the performance of improved classify-analyze approaches in latent profile analysis. *Methodology, 12,* 107-116. PMCID: PMC5473653

98. **Evans-Polce, R. E., **Lanza**, S. T., & Maggs, J. L. (2016). Heterogeneity of alcohol, tobacco, and other substance use behaviors in US college students: A latent class analysis. *Addictive Behaviors*, *53*, 80-85. doi: 10.1016/j.addbeh.2015.10.010 PMCID: PMC4712642

97. **Fairlie, A. M., Maggs, J. L., & **Lanza**, S. T. (2016). Profiles of college drinkers defined by alcohol behaviors at the week level: Replication across semesters and prospective associations with hazardous drinking and dependence-related symptoms. *Journal of Studies on Alcohol and Drugs. 77*, 38-50, doi: 10.15288/jsad.2016.77.38 PMCID: PMC4711318

96. **Lanza**, S. T., & Cooper, B. R. (2016). Latent class analysis for developmental research. *Child Development Perspectives, 10,* 59-64. PMCID: In process.

95. **Lanza**, S. T., Vasilenko, S. A., & Russell, M. A. (2016). Time-varying effect modeling to address new questions in behavioral research: Examples in marijuana use. *Psychology of Addictive Behaviors. 30*(8), 939-954. http://dx.doi.org/10.1037/adb0000208 PMCID: PMC5222706

94. *Parr, A., **Lanza**, S. T., & Bernthal, P. (2016). Personality profiles of effective leadership performance in assessment centers. *Human Performance. 29:2*, 143-157. doi: 10.1080/08959285.2016.1157596 PMCID: PMC5058439

93. Patrick, M. E., Kloska, D. D., Vasilenko, S. A., & **Lanza**, S. T. (2016). Perceived friends' use as a risk factor for marijuana use across young adulthood. *Psychology of Addictive Behaviors*. http://dx.doi.org/10.1037/adb0000215 PMCID: PMC5222776

92. **Rice, C., Maierhofer, C., **Lanza**, S. T., & Turner, A. N. (2016). Beyond anal sex: Sexual practices among men who have sex with men and associations with HIV and other sexually transmitted infections. *Journal of Sexual Medicine, 13*, 374-382. PMCID: PMC4779701

91. Russell, M. A., Vasilenko, S. A., & **Lanza**, S. T. (2016). Age-varying links between violence exposure and behavioral, mental, and physical health. *Journal of Adolescent Health*. doi: 10.1016/j.jadohealth.2016.03.038 PMCID: PMC4958611

90. Vasilenko, S. A., Kugler, K. C., & **Lanza**, S. T. (2016). Latent classes of adolescent sexual and romantic relationship experiences: Implications for adult sexual health and relationship outcomes. *The Journal of Sex Research*. doi: 10.1080/00224499.2015.1065952 PMCID: PMC4824667

89. Bray, B. C., **Lanza,** S. T., & Tan, X. (2015). Eliminating bias in classify-analyze approaches for latent class analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 22,* 1-11. doi: 10.1080/10705511.2014.935265 PMCID: PMC4299667

88. **Evans-Polce, R. E., 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. PMCID: PMC4314406

87. **Fairlie, A. M., Maggs, J., L., & **Lanza**, S. T. (2015). Prepartying, drinking games, and extreme drinking among college students: A daily-level investigation. *Addictive Behaviors, 42,* 91-95. PMCID:PMC4272894

86. **Lanza**, S. T., & Vasilenko, S. A. (2015). New methods shed light on age of onset as a risk factor for nicotine dependence. *Addictive Behaviors*, *50*, 161-164. doi:10.1016/j.addbeh.2015.06.024. PMCID: PMC4519837

85. **Lanza**, S. T., Vasilenko, S. A., Dziak, J. J., & *Butera, N. M. (2015). Trends among US high school seniors in recent marijuana use and associations with other substances: 1976 to 2013. *Journal of Adolescent Health*, *57*, 198-204. doi:10.1016/j.jadohealth.2015.04.006 PMCID: PMC4519837

84. Mason, M., Mennis, J., Way, T., **Lanza**, S., Russell, M., & Zaharakis, N. (2015). Time-varying effects of a text-based smoking cessation intervention for urban adolescents. *Drug and Alcohol Dependence*, *157*, 99-105. doi: 10.1016/j.drugalcdep.2015.10.016 PMCID: PMC4831210

83. **Schuler, M. S., Vasilenko, S. A., & **Lanza**, S. T. (2015). Age-varying associations between substance use behaviors and depressive symptoms during adolescence and young adulthood. *Drug and Alcohol Dependence*, *157*, 75-82. doi: 10.1016/j.drugalcdep.2015.10.005. PMCID: PMC4663168

82. Vasilenko, S. A., Kugler, K. C., *Butera, N. M. & **Lanza**, S. T. (2015). Patterns of adolescent sexual behavior predicting young adult sexually transmitted infections: A latent class analysis approach. *Archives of Sexual Behavior, 44,* 705-715. doi: 10.1007/s10508-014-0258-6. PMCID: PMC4107199

80. *Zhang, J., Bray, B. C., Zhang, M., & **Lanza**, S. T. (2015). Personality profiles and frequent heavy drinking in young adulthood. *Personality and Individual Differences*, *80*, 18-21. doi:10.1016/j.paid.2015.01.054 PMCID: PMC4397499

79. *Zhang, J., **Lanza**, S. T., Zhang, M., & Su, B. (2015). Structure of the University Personality Inventory for Chinese college students. *Psychological Reports: Measures & Statistics, 116*, 821-839. doi: 10.2466/08.02.PR0.116k26w3 PMCID: PMC4852747

78. *Butera, N. M., **Lanza**, S. T., & Coffman, D. L. (2014). A framework for estimating causal effects in latent class analysis: Is there a causal link between early sex and subsequent profiles of Delinquency? *Prevention Science, 15*, 397-407. doi: 10.1007/s11121-013-0417-3. PMCID: PMC3888479

77. Cooper, B. R., & **Lanza**, S. T. (2014). Who benefits most from Head Start? Using latent class moderation to examine differential treatment effects. *Child Development*, *85*, 2317-2338. doi: 10.1111/cdev.12278. PMCID: PMC4236237

76. Dziak, J. J., **Lanza**, S. T., & Tan, X. (2014). Effect size, statistical power, and sample size requirements for the bootstrap likelihood ratio test in latent class analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 21*, 1-19. doi: 10.1080/10705511.2014.919819. PMCID: PMC4196274

75. Lagoa, C., *Bekiroglu, K., **Lanza**, S. T., & Murphy, S. (2014). Designing adaptive intensive interventions using methods from engineering. *Journal of Consulting and Clinical Psychology, 82,* 868-78. PMCID: PMC4176810

74. **Lanza**, S. T., Cooper, B. R., & Bray, B. C. (2014). Population heterogeneity in the salience of multiple risk factors for adolescent delinquency. *Journal of Adolescent Health, 54,* 319-325. PMCID: PMC3943167

73. **Lanza**, S. T., Piper, M. E., & Shiffman, S. (2014). New methods for advancing research on tobacco dependence using ecological momentary assessments. *Nicotine and Tobacco Research, 16 Suppl 2*, S71-S72. PMCID: PMC4085886

72. **Lanza**, S. T., Vasilenko, S., *Liu, X., Li, R., & Piper, M. (2014). Advancing the understanding of craving during smoking cessation attempts: A demonstration of the time-varying effect model. *Nicotine and Tobacco Research, 16* Suppl 2, S127-S134. doi: 10.1093/ntr/ntt128 PMCID: PMC3977629

71. Vasilenko, S. A., & **Lanza**, S. T. (2014). Predictors of multiple sexual partners from adolescence through young adulthood. *Journal of Adolescent Health*, *56,* 491-497. doi: 10.1016/j.jadohealth.2013.12.025. PMCID: PMC4139487

70. Vasilenko, S. A., Piper, M. E., **Lanza**, S. T. *Liu, X., **Yang, J. & Li, R. (2014). Time-varying processes involved in smoking lapse in a randomized trial of smoking cessation therapies. *Nicotine and Tobacco Research*, *16*, S135-S143. doi: 10.1093/ntr/ntt18. PMCID: PMC3977637

69. Abraham, L. M., Crais, E., Vernon-Feagans, L., & **The Family Life Project Key Investigators** (2013). Early maternal language use during book sharing in families from low income environments. *American Journal of Speech Language Pathology, 22,* 71-83. doi: 10.1044/1058-0360(2012/11-0153).

68. *Bekiroglu, K., Lagoa, C., Murphy, S. A., & **Lanza**, S. T. (2013). A robust MPC approach to the design of behavioral treatments. *Proceedings of the 52nd IEEE Conference on Decision and Control*, 3505-3510. PMC Exempt

67. *Deiches, J., Baker, T., **Lanza**, S. T., & Piper, M. (2013). Early lapses in a cessation attempt: Lapse contexts, cessation success and predictors of early lapse. *Nicotine and Tobacco Research, 15,* 1883-91. PMCID: PMC3790630

66. Hillemeier, M. M., **Lanza, S. T.**, Landale, N. S., & Oropesa, R. S. (2013). Measuring early childhood health and health disparities: A new approach. *Maternal and Child Health Journal*, *17*, 1852-1861. PMCID: PMC3615056 doi:

10.1007/s10995-012-1205-6

65. **Hopfer, S., Hecht, M. L., **Lanza**, S. T., Tan, X., & **Xu, S. (2013). Preadolescent drug use resistance skill profiles, substance use, and substance use prevention. *The Journal of Primary Prevention, 34,* 395-404. PMCID: PMC4089389

64. Landale, N. S., **Lanza**, S. T., Hillemeier, M. M., & Oropesa, R. S. (2013). Health and development among Mexican, Black, and white preschool children: An integrative approach using latent class analysis. *Demographic Research, 28*, 1302-1338, PMCID: PMC4105264

63. **Lanza**, S. T., Coffman, D. L., & **Xu, S. (2013). Causal inference in latent class analysis. *Structural Equation Modeling: A Multidisciplinary Journal, 20,* 361-383. PMCID: PMC4240500

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Mak, H. W., Russell, M. A., **Lanza**, S. T., Feinberg, M. E., & Fosco, G. M. (under review). Age-varying associations of child monitoring and antisocial peer behavior with substance use over the course of adolescence.

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Software and Multimedia Products

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Presentations

Invited Presentations and Workshops

Lanza, S. T. (2018, December). *Introduction to latent class analysis*. Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T., & Russell, M. A. (2018, June). *Summer institute on innovative methods: Analysis of Ecological Momentary Assessment Data Using Multilevel Modeling and Time-Varying Effect Modeling*. Workshop presented at the Pennsylvania State University, University Park, PA.

Russell, M. A., & **Lanza**, S. T., (2018, April). *Analysis of ambulatory assessment data in behavioral medicine*. Workshop presented at the annual meeting of the Society for Behavioral Medicine, New Orleans, LA.

Lanza, S. T. (2017, December). *Introduction to latent class analysis*. Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T. (2017, April). *Introduction to latent class analysis*. Workshop presented at the Jack, Joseph, and Morton Mandel School of Applied Social Sciences, Case Western Reserve University, Cleveland, OH.

Lanza, S. T. (2016, November). *Time-varying effect modeling to study developmental and dynamic processes*. Population Research Institute: Innovative Methods Working Group lecture. University Park, PA.

Lanza, S. T. (2016, November). *Introduction to latent class analysis*. Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T. (2016, May). *Time as a key variable in health behavior research*. National Cancer Institute Workshop: Extending Methods in Dietary Patterns Research. Rockville, MD.

Lanza, S. T. (2016, May). *Using preventive interventions to better understand etiological mechanisms and risk for suicide*. Roundtable discussion at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Lanza, S. T. (2016, April). *Advancing mixture modeling: Determinants of latent class membership*. Invited talk given at the Dartmouth College Institute for Health Policy and Clinical Practice. Hanover, NH.

Lanza, S. T., & Bray, B. C. (2016, April). *Introduction to Latent Class Analysis for Health Behavior Research*. Invited workshop given at the Penn State Department of Public Health Sciences, Hershey, PA.

Lanza, S. T., & Vasilenko, S. A. (2016, March). *Time-varying effect modeling in developmental research on adolescence*. Pre-conference workshop presented at the annual meeting of the Society for Research on Adolescence, Baltimore, MD**.**

Lanza, S. T. (2016, February). *Time-varying effect modeling to study developmental and dynamic processes*. CTSI-BERD Recent Topics in Research Methods Seminar. University Park, PA

Lanza, S. T. (2016, January). *Time-varying effect modeling to study developmental and dynamic processes*. NIH Office of Disease Prevention, Medicine: Mind the Gap lecture. Bethesda, MD.

Lanza, S. T., & Bray, B. C. (2016, January). *Latent class, latent profile, and latent transition analysis*. Workshop presented at the T. Denny Sanford School of Social and Family Dynamics, Arizona State University, Phoenix, AZ.

Lanza, S. T. (2015, December). *Time-varying effect modeling to study developmental and dynamic processes*. Presented at the University of Pittsburgh Public Health Dynamics Lab, Pittsburgh, PA.

Lanza, S. T. (2015, November). *Introduction to latent class analysis*. Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T., & Russell, M. A. (2015, June). *Advanced analytics for intensive longitudinal data analysis*. Pre-

conference workshop presented at the annual meeting of the Society for Ambulatory Assessments, University Park, PA**.**

Lanza, S. T., & Vasilenko, S. A. (2015, June). *Summer institute on innovative methods: Introduction to the time-varying effect model.* Workshop presented at the Pennsylvania State University, University Park, PA.

Lanza, S. T. (2015, April). *Introduction to latent class analysis.* Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T. (2014, November). *Introduction to latent class analysis.* Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T. (2014, June). *Intensive longitudinal data to advance behavioral research: Data integration opportunities and challenges.* Presented at Big Data to Knowledge (BD2K) Data Integration Meeting, Bethesda, MD.

Lanza, S. T., & Bray, B. C. (2014, May). *Integrating propensity scores with latent class analysis to identify determinants of latent class membership.* Presented at Statistics and Causality conference, Vienna, Austria.

Lanza, S. T., & Vasilenko, S. A. (2014, May). *Time-varying effect models in prevention science.* Pre-conference workshop presented at the annual meeting of the Society for Prevention Research, Washington, DC.

Lanza, S. T. (2014, May). *Time-varying effect models to analyze intensive longitudinal data.* Workshop presented at the Taste of Methodology, University Park, PA.

Lanza, S. T. (2014, April). *Introduction to latent class analysis.* Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T. (2013, December). *Introduction to latent class analysis.* Workshop presented for Statistical Horizons, Philadelphia, PA.

Lanza, S. T. (2013, October). *Make the Most of Your EMA Data: An Introduction to the Time-Varying Effect Model (TVEM).* Presented at the Department of Psychological Sciences Alcohol Studies Program, University of Missouri, Columbia, MO.

Bray, B. C., **Lanza**, S. T., & Coffman, D. L. (2013, October). *The causal effect of substance use latent class membership on a distal outcome.* Presented at the 10th International Conference on Health Policy Statistics, Chicago, IL.

Coffman, D. L., Bray, B. C., **Lanza**, S. T., & Dierker, L. C. (2013, October). *Estimating the causal effect of a latent class treatment on binary and count outcomes.* Presented at the 10th International Conference on Health Policy Statistics, Chicago, IL.

Lanza, S. T. (2013, June). *Latent class and latent transition analysis.* Workshop presented at the Summer Quantitative Methods Series at Portland State University, Portland, OR.

Lanza, S. T., & Bray, B. C. (2013, June). *Summer Institute on Longitudinal Methods: Introduction to latent class analysis.* Workshop presented at the Pennsylvania State University, University Park, PA.

Lanza, S. T., Butera, N. M., & Vasilenko, S. (2013, March). *Defining "time" in time-varying effect models: Applications of TVEM to cross-sectional and panel data.* Presented at the Methodology Center, Penn State. University Park, PA.

Lanza, S. T. (2012, September). *Make the Most of Your EMA Data: An Introduction to the Time-Varying Effect Model (TVEM).* Presented at the Department of Psychiatry Grand Rounds, Penn State. Hershey, PA.

Lanza, S. T. (2012, March). *Make the most of your EMA data: An introduction to the time-varying effect model.* Presented at the joint session of The Methodology Center and The Prevention Research Center, Penn State. University Park, PA.

Lanza, S. T. (2012, December). *An Introduction to latent class analysis.* Presented at the Taste of Methodology, University Park, PA.

Lanza, S. T., & Bray, B. C. (2012, October). *Latent class analysis.* Presented for Methods Work, Silver Spring, MD.

Lanza, S. T. (2012, July). *Latent class analysis in sociological research.* Invited workshop presented at the Center for Family and Demographic Research, Bowling Green, OH.

Lanza, S. T. (2012, April). *Latent class analysis.* Preconference workshop presented at the Society for Behavioral Medicine, New Orleans, LA.

Lanza, S. T., & Piper, M. E. (2012, March). *A demonstration of the time-varying effect model (TVEM): The dynamic*

role of dependence on craving during quit attempts. Invited talk presented at pre-conference workshop at the Society for Research on Nicotine and Tobacco annual meetings, Houston, TX.

Lanza, S. T. (2012, March). *Make the most of your EMA data: An introduction to the time-varying effect model.* Presented at the joint session of The Methodology Center and The Prevention Research Center, Penn State. University Park, PA.

Lanza, S. T. (2012, February). C*ausal inference in latent class analysis*. Penn State Population Research Institute, University Park, PA.

Lanza, S. T., & Collins, L. M. (2012, February). *Latent class analysis.* Presented for Methods Work, Pittsburgh, PA.

Collins, L. M., & **Lanza**, S. T. (2011, August). *Latent class analysis.* Presented for Methods Work, Atlanta, GA.

Also presented October, 2011 for Methods Work, Washington, DC.

Lanza, S. T. (2010, March). *At the Intersection of Statistics and the Behavioral Sciences: An Application of Latent Transition Analysis.* Presented at the Department of Statistics 2010 Alumni Workshop, University Park, PA.

Lanza, S. T. (2009, September). *Subgroup analysis from a latent class analysis approach.* Presented at the Interagency Federal Methodological Meeting: Subgroup Analysis in Prevention and Intervention Research, Bethesda, MD.

Collins, L. M., & **Lanza**, S. T. (2009, June). *Summer Institute on Longitudinal Methods: Latent class and latent transition analysis.* Presented at the Pennsylvania State University, University Park, PA.

Lanza, S. T. (2008, December). *Data sharing requirements: The analyst's perspective*. Presented at the NIDA Crossroads: Sharing Social Environment and Genetic Data Meeting, Bethesda, MD.

Collins, L. M., **Lanza**, S. T., & Bray, B. C. (2008, September). *Masterclass: Latent class analysis for cross-sectional and longitudinal data.* Presented at the Department of Mathematics and Statistics Postgraduate Statistics Centre of Lancaster University and the Economic and Social Research Council National Centre for Research Methods, Lancaster, United Kingdom.

Lanza, S. T. (2008, July). *Methodological/Statistical Issues in Grant Proposal Development*. Presented at the NIH Addiction Research Training Institute: Leadership Development Workshop, Atlanta, GA.

Lanza, S. T. (2008, July). *Modeling sexual risk behavior as a categorical latent variable*. Presented at the NIDA Sexual Acquisition and Transmission of HIV Cooperative Agreement program (SATH-CAP) Analytic Workgroup Meeting, Bethesda, MD.

Lanza, S. T. (2008, June). *Secondary data analysis*. Panel member at the Society for Prevention Research annual meeting, San Francisco, CA.

Lanza, S. T., & Rhoades, B. (2008, March). *Modeling multiple risks for child development: Variable-oriented and person-oriented approaches*. Presented at the joint Prevention and Methodology Centers seminar, The Pennsylvania State University, University Park, PA.

Maldonado-Molina, M. M., & **Lanza**, S. T. (2008, March). *Latent transition analysis: Patterns of drug use among adolescents*. Presented at the Addictive & Health Behaviors Research Institute, Jacksonville, FL.

Lanza, S. T. (2007, November). *Latent transition analysis for modeling change over time: A demonstration of SAS PROC LTA*. Presented at the American Public Health Association conference, Washington, D.C.

Collins, L. M., & **Lanza**, S. T. (2007, February). *Latent class analysis for cross-sectional and longitudinal data*. Workshop presented at the 36th ZA Spring Seminar. The University of Cologne, Germany.

Lanza, S. T. (2006, October). *An introduction to latent class analysis and several extensions*. Presented at the Quantitative Social Sciences Initiative seminar series, The Pennsylvania State University, University Park, PA.

Lanza, S. T. (2006, August). *Latent transition analysis: Modeling stage-sequential development*. Workshop resented at the Center for Advancing Longitudinal Drug Abuse Research, Summer Institute on Longitudinal Research, University of California, Los Angeles, CA.

Collins, L. M., & **Lanza**, S. T. (2006, June). *Introduction to latent class and latent transition analysis*. Presented at the Institute on Developmental Science, University Park, PA.

Lanza, S. T. (2006, May). *Latent transition analysis for modeling discrete change in longitudinal data*. Workshop presented at the Center for Advancing Longitudinal Drug Abuse Research, University of California, Los Angeles, CA.

Lanza, S. T. (2006, April). *Latent class and latent transition analysis for substance use research.* Workshop presented at the Oregon Research Institute, Eugene, OR.

Lanza, S. T. (2005, October). *Multilevel modeling with HLM.* Workshop presented at the National Recreation and Park Association conference, San Antonio, TX.

Lanza, S. T. (2005, June). *Modeling drug-taking behavior in rats: Mixed models in application.* Workshop presented at the College on Problems of Drug Dependence conference, Orlando, FL.

Lanza, S. T. (2004, June). *An HLM workshop.* Workshop presented at the APA Advanced Training Institute on the Study of Early Child Care Data, Chapel Hill, NC. Also presented August, 2003 at the APA Advanced Training Institute on the Study of Early Child Care Data, Chapel Hill, NC.

Organized Sessions

Lanza, S. T. (under review). *Opioid and Other Nonmedical Prescription Drug Use in the United States: Contemporary Trends in Use, Co-Use, and Correlates to Identify Opportunities for Prevention.* Symposium submitted to the annual meeting of the Society for Prevention Research, San Francisco, CA.

Lanza, S. T., Maldonado-Molina, M. M., Dishion, T., Mason, W. A., Mason, M. J., Modave, F., & Leve, L. D. (2017, May). *SPR mapping advances in prevention science (MAPS) V task force: Big data.* Annual Meetings of the Society for Prevention Research, Washington, D.C.

Lanza, S. T. (2017, March). *Time-varying effect modeling to shed new light on the developmental course of nicotine product use in the US.* Organized session for the Annual Meeting of the Society for Research on Nicotine and Tobacco, Florence, Italy.

Lanza, S. T., & MacKinnon, D. (2012, June). *New approaches to differential effects: Moving beyond traditional moderation using mixture models.* Symposium presented at the Society for Prevention Research Annual Meetings, Washington, DC.

Lanza, S. T. (2011, June). *Innovations in latent class analysis: New Approaches to address classic questions.* Organized session for the Annual Meeting of the Society for Prevention Research, Washington, DC.

Lanza, S. T. (2011, June). *Applications of novel methods for analysis of intensive longitudinal data in studies on drug use.* Organized session for the Annual Meeting of the Society for Prevention Research, Washington, DC.

Lanza, S. T. (2008, May). *Advanced statistical modeling of sexual risk behavior over time.* Organized session for the Society for Prevention Research conference, San Francisco, CA.

Lanza, S. T. (2006, June). *Advances in latent class and latent transition analysis.* Session chair at the annual meeting of the Society for Prevention Research, San Antonio, TX.

National and International Conference Presentations

Linden-Carmichael, A. N., Masters, L. D., & **Lanza, S. T.** (under review). *Age-Varying Trends in Co-Use of Marijuana and Heavy Episodic Drinking: Implications for Nonmedical Prescription Drug Use.* In S. Lanza (Symposium Organizer), Opioid and Other Nonmedical Prescription Drug Use in the United States: Contemporary Trends in Use, Co-Use, and Correlates to Identify Opportunities for Prevention. Symposium submitted to the annual meeting of the Society for Prevention Research, San Francisco, CA.

Linden-Carmichael, A. N., Masters, L. D., Luneke, A. C., & **Lanza**, S. T. (under review). *"Buzzwords": Crowd-sourcing young adult language to capture momentary feelings of alcohol and marijuana intoxication.* Paper submitted to the annual meeting of the Society for Ambulatory Assessment, Syracuse, NY.

Lanza, S. T., Masters, L. D., & Linden-Carmichael, A. N. (under review). *Contemporary Trends in Nonmedical Drug Use As a Function of Individual and Sociodemographic Characteristics: Ages 12 to 90.* In S. Lanza (Symposium Organizer), Opioid and Other Nonmedical Prescription Drug Use in the United States: Contemporary Trends in Use, Co-Use, and Correlates to Identify Opportunities for Prevention. Symposium submitted to the annual meeting of the Society for Prevention Research, San Francisco, CA.

Russell, M. A., Linden-Carmichael, A. N., **Lanza**, S. T., & Piasecki, T. (under review). *Affective Trends Prior to and After Drinking in an Ecological Momentary Assessment (EMA) Protocol: An Application of Three-Level Time-Varying Effect Modeling (TVEM).* Paper submitted to the annual meeting of the Society for Ambulatory Assessment, Syracuse, NY.

Rice, C. E., Fish, J. N., Russell, S. T., & **Lanza, S. T.** (2018, November). *Discrimination and Suicidal Behavior among Sexual Minority Adults in the United States.* Paper presented at the 2018 Gerontological Society of America Conference, Boston, MA.

*Mayer, L., **Lanza**, S. T., & Shalev, I. (2018, September). *Modeling the Age-Varying Link between Smoking and Telomere Length in a Large Sample of US Adults*. Poster presented at the 48th Meeting of the International Society of Psychoneuroendocrinology, Irvine, CA.

Bray, B. C., Dziak, J. J., Patrick, M. E., & **Lanza**, S. T. (2018, June). *Causal analysis with latent class exposures using inverse propensity scores and BCH adjustment*. Poster presented at the 7th Annual Thomas R. Ten Have Symposium on Statistics in Mental Health, Chicago, IL.

Linden-Carmichael, A. N., Russell, M. A., & **Lanza**, S. T. (2018, June). *An innovative approach to identify cut-points for problematic drinking in a nationally representative sample of young adults*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Diego, CA.

Lanza, S. T. (2018, May). *Understanding and Advancing NIH-Funded Prevention Research: The Case of Substance Use Prevention*. Roundtable discussant at the Society for Prevention Research 26th Annual Meeting: "Optimizing the Relevance of Prevention Science to Systems," Washington, DC.

Vasilenko, S. A., Rice, C. E., & **Lanza**, S. T. (2018, May). *Age-varying prevalence of marijuana and opioid use in the United States during 2001-2002 and 2012-2013*. Paper presented at the annual meeting of the Society for Prevention Research, Washington, DC.

Linden-Carmichael, A. N., Dziak, J. J., Vasilenko, S. A., & **Lanza**, S. T. (2018, April). *Dynamic features of problematic drinking behavior across age*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.

*Potter, L., Eccleston, C. P., **Lanza**, S. T., Brondolo, E., Sliwinski, M. J., & Smyth, J. M. (2018, April). *Exploring Quantitative Approaches to Examining the Effects of Multiple Disadvantaged Social Status Indicator on Health*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.

*Braymiller, J. L., Branstetter, S. A., & **Lanza**, S. T. (2018, February). *Contemporary Patterns of Nicotine Product Use in High School Aged Adolescents.* Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

*Nye R., *Braymiller J., **Lanza** S. T., Buxton O., & Branstetter S. (February 2018). *Age-varying Associations Between Nicotine Dependence and Sleep*. Poster presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Baltimore, MD.

Rice, C. E., Fish, J. N., Russell, S. T., & **Lanza**, S. T. (2017, October). *Discrimination and mental health among sexual minority adults in the United States: Implications for community prevention*. Paper presented at Transforming Care: Midwest Conference on LGBTQ Health Equity and HIV/AIDS, Columbus, OH.

Fish, J. N., **Rice, C. E., **Lanza, S. T., & Russell, S. T. (2017, June). *Age-varying rates of sexual identity based discrimination from 18-65: Findings from a national sample*. Paper presented at Improving Population Health: Now, Across People's Lives and Across Generations to Come, Austin, TX.

Linden-Carmichael, A., & **Lanza**, S. T. (2017, June). *Characterizing college and non-college young adult drinking behavior: Findings from a national Sample of 18 to 22 Year-Old Drinkers*. Poster presented at the annual meeting of the Research Society on Alcoholism, Denver, CO.

Lanza, S. T., Scott, S., Smyth, J., Almeida, D., & Sliwinski, M. (2017, June). *Finite mixture modeling to understand within-person affect variability*. Paper presented at the biannual meeting of the Society for Ambulatory Assessment Biennial Meeting, Luxembourg City, Luxembourg.

Rice, C. E., **Fish, J. N., Russell, S. T., & **Lanza, S. T. (2017, June). *Discrimination and mental health among sexual minority adults in the United States: implications for community prevention*. Paper presented at Improving Population Health: Now, Across People's Lives and Across Generations to Come, Austin, TX.

Russell, M. A., **Lanza**, S. T., & Piasecki, T. (2017, June). *Time-to-event analysis using time-varying effect modeling (TVEM) of intensive longitudinal data: Affect leading into and out of drinking episodes.* Paper presented at the biannual meeting of the Society for Ambulatory Assessment Biennial Meeting, Luxembourg City, Luxembourg.

Bediako, P. T., Caldwell, L. L., **Lanza, S. T., Wegner, L., Jacobs, J., & Miller, J. A. (2017, June). *Constructing latent classes of sexual abstinence motives endorsed by South African high school learners*. Paper presented at the Society for Prevention Research Annual Meeting, Washington, DC

*Braymiller, J. L. & **Lanza**, S. T. (2017, June). *Age trends in nicotine/tobacco product use in the United States: Differences across geographic region.* Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

Deutsch, A., & **Lanza**, S. T. (2017, June). *Markers of adulthood and drinking behavior: What types of markers matter, and when?* Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

Fish, J. N., **Rice, C. E., **Lanza**, S. T., & Russell, S. T. (2017, June). *Using time-varying effect models to explore social etiology: Sexual minority discrimination and suicidality across the lifespan.* Paper presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

Linden-Carmichael, A. N., & **Lanza**, S. T. (2017, June). *An epidemiological latent class analysis of alcohol use behavior among adult drinkers.* Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

Rice, C. E., Vasilenko, S. A., **Lanza**, S. T. (2017, May). *Examination of sexual minority health disparities across the life course.* Paper presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

*Potter, L., **Lanza**, S. T., & Smyth, J. (2017, May). *Sociodemographic patterns of discrimination and health behaviors: Implications for health disparities.* Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

Mama, S. K., Schmitz, K. H., Sciamanna, C. N., Smyth, J. M., **Lanza,** S. T., & Lengerich, E.J. (2017, May). *Partnering to Prevent and Control Cancer (PPCC): An academic-community partnership to address physical inactivity-related cancer health disparities in rural cancer survivors.* Poster presented at the Rural Cancer Control: Challenges and Opportunities Research Meeting, Memphis, TN.

Mello, Z., Youngquist, A., & **Lanza**, S. T. (2017, April). *Time Perspective and Sexual Risky Behavior in Adolescents.* Poster presented at the annual meeting of the Society for Research on Child Development, Austin, TX.

*Braymiller, J. L., & **Lanza**, S. T. (2017, March). *Age-varying rates of nicotine product use throughout adolescence.* Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco Annual Meeting, Florence, Italy.

Russell, M. A., Vasilenko, S. A., & **Lanza**, S. T. (2017, March). *Low family SES and smoking: Age-varying associations from adolescence to young adulthood.* Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco Annual Meeting, Florence, Italy.

Rice, C. E., Vasilenko, S. A., Turner, A. N., Rosenberger, J. G., Davis, J. A., Fields, K. S., Ervin, M., & **Lanza, S. T. (2016, October). *"Gay Age": Is it associated with risky behavior among MSM?* Transforming Care: Midwest Conference on LGBTQ Health Equity and HIV/AIDS, Columbus, OH.

Rice, C. E., Vasilenko, S. A., Rosenberger, J. G., & **Lanza, S. T. (2016, September). *"Sexual Age" and Sexual Risk Behaviors among Men who have Sex with Men.* STD Prevention Conference, Atlanta, GA.

*Braymiller, J. L., Russell, M. A., & **Lanza**, S. T. (2016, May). *Adolescent e-cigarette use: Age-varying prevalence and association with traditional cigarette smoking.* Poster presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Dziak, J. J., Bray, B. C., Huang, L., Wagner, A. T., & **Lanza**, S. T. (2016, May). *SPR tech demo: Free software for data analysis and experimental design from the Penn State Methodology Center.* Technology demonstration presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Lanza, S. T. (2016, May). *Using big data to inform healthcare utilization, surveillance, and prevention research.* Discussant presentation given at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Lanza, S. T., Vasilenko, S. A., & Russell, M. A. (2016, May). *Four definitions of "time" in time-varying effect modeling: Examples in marijuana use.* Paper presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Patrick, M. E., Kloska, D. D., Vasilenko, S. A., & **Lanza**, S. T. (2016, May). *Perceived friends' use as a risk factor for marijuana use across young adulthood.* Paper presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

*Rice, C. E., Vasilenko, S. A., **Lanza**, S. T., Fields, K. S., Ervin, M., & Turner, A. N. (2016, May). *"Gay age" and recreational drug use among men who have sex with men.* Poster presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Russell, M. A., *Braymiller, J. L., & **Lanza**, S. T. (2016, May). *Time-varying effect of risk-perception on cigarette use among high school senior*s. Paper presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

*Evans-Polce, R. J., **Lanza**, S. T., & Maggs, J. L. (2016, March). *Social roles and excessive alcohol use across young adulthood*. Paper presented at the biannual meeting of the Society for Research on Adolescence.

Russell, M. A., & **Lanza**, S. T. (2016, March). *Age-varying associations between witnessing violence, substance use, depression, and health from adolescence to young adulthood*. Paper presented at the biannual meeting of the Society for Research on Adolescence.

Lanza, S. T., Bray, B. C., & Dziak, J. J. (2015, May). *Comparing three approaches to latent class analysis with distal outcomes: A scientific summary*. Paper presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

*Boone, M., Vasilenko, S. A., & **Lanza**, S. T. (2015, May). *Racial differences in the time-varying effect of age of sexual debut on sexual risk behavior*. Paper presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

Bray, B. C., Dziak, J. J., Huang, L., Wagner, A. T., & **Lanza**, S. T. (2015, May). *New online resources and software tools for analysis and design from the Penn State Methodology Center*. Technology demonstration presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

Bray, B. C., **Lanza**, S. T., & Coffman, D. L. (2015, May). *Estimating causal effects with latent class variables: Exposures and outcomes*. Paper presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

Cook, J. A., Lanza, S. T., *Chu, W., Fiore, M., Baker, T., & Piper, M. (2015, May). *Time-varying treatment effects: The role of anhedonia in smoking quit attempts*. Paper presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

Russell, M. A., & **Lanza**, S. T. (2015, May). *Violence exposure and adolescent substance use: Age-varying associations by gender*. Paper presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

*Zhang, J., Dziak, J. J., Bray, B. C., **Lanza**, S. T., & Zhang, M. (2015, May). *Extending latent class analysis with distal outcomes: Recommendations for adding control variables and moderators*. Paper presented at the Society for Prevention Research 23rd Annual Meeting: "Integrating Prevention Science and Public Policy," Washington, DC.

*Evans-Polce, R.J., Maggs, J., & **Lanza**, S.T. (2014, November). *Latent classes of substance use in college students: Hookah use, other tobacco products, marijuana, heavy drinking, and prescription drugs*. Paper presented at the 142nd American Public Health Association meeting, New Orleans, LA.

Bray, B. C., Dziak, J. J., Huang, L., Wagner, A. T., & **Lanza**, S. T. (2014, May). *Innovative software for prevention scientists: SAS, R, and STATA, tools for analysis and experimental design*. Technology demonstration presented at the Society for Prevention Research Annual Meeting, Washington, DC.

*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.

Vasilenko, S. A., & **Lanza**, S. T. (2014, May). Using the time-varying effect model to examine changes in predictors of multiple sexual partners from adolescence through young adulthood. In Henneberger, A. K. (Chair), *Preventing risky behavior across development: Applying innovative longitudinal methods to strengthen prevention science.* Paper presented to the Society for Prevention Research, Washington, D.C.

Vasilenko, S. A., **Lanza**, S. T., & Barber, J. S. (2014, May). Patterns of condom use over time in sexual partnerships. In Evans-Polce, R. J. (Chair), *A new approach to the etiology of health risk behaviors: Estimating change over historical time, developmental time, and time from an event*. Paper presented to the Society for Prevention Research, Washington, D.C.

Bekiroglu, K., Lagoa, C., Murphy, S. A., & **Lanza**, S. T. (2013, December). *A Robust MPC Approach to the Design of Treatments*. Paper presented at the 52nd IEEE Conference on Decision and Control, Firenze, Italy.

*Fairlie, A. M., **Lanza**, S. T., & Maggs, J. L. (2013, June). *Short-term stability and instability in drinking patterns among college students: A latent transition analysis*. Poster session presented at the annual meeting of the Research Society on Alcoholism, Orlando, FL.

Bray, B. C., Huang, L., Yang, J., Dziak, J. J., & **Lanza**, S. T. (2013, May). *New SAS, R, and Stata software for prevention scientists: Tools for LCA, missing data, adaptive interventions, and EMA data*. Technology demonstration presented at the Society for Prevention Research 21st Annual Meeting: "The Science of Prevention: Building a Comprehensive National Strategy for Well-Being," San Francisco, CA.

*Butera, N. M., Bray B. C., & **Lanza**, S. T. (2013, May). Consequences of adolescent substance use latent class membership: Associations with young adult distal outcomes. Poster presented at the Society for Prevention Research 21st Annual Meeting: "The Science of Prevention: Building a Comprehensive National Strategy for Well-Being," San Francisco, CA.

Coffman, D. L., Bray, B. C., **Lanza**, S. T., & Dierker, L. C. (2013, May). *Estimating the causal effect of a latent class treatment on binary and count outcomes*. Paper presented at the Society for Prevention Research 21st Annual Meeting: "The Science of Prevention: Building a Comprehensive National Strategy for Well-Being," San Francisco, CA.

*Fairlie, A. M., **Lanza**, S. T., & Maggs, J. L. (2013, May). *Do we adequately measure the alcohol-specific behavior of college students? Measurement implications from a latent class analysis*. In A. Fairlie (Chair), Extreme alcohol use: Prevalence, patterns, predictors, and consequences. Paper presented at the annual meeting of the Society for Prevention Research, San Francisco, CA.

Lanza, S. T., Bray, B. C., Coffman, D. L. (2013, May). *The causal effect of substance use latent class membership on a distal outcome*. Paper presented at the Society for Prevention Research 21st Annual Meeting: "The Science of Prevention: Building a Comprehensive National Strategy for Well-Being," San Francisco, CA.

Lanza, S. T., Vasilenko, S., Butera, N. M., & Kugler, K. (2013, May). *A latent class approach to measuring adolescent sexual behavior*. Paper presented at the Society for Prevention Research 21st Annual Meeting: "The Science of Prevention: Building a Comprehensive National Strategy for Well-Being," San Francisco, CA.

Cooper, B. R., & **Lanza**, S. T. (2013, April). *Using a multidimensional approach to identify for whom head start is most effective*. Paper presented at the Biennial Meeting of the Society for Research in Child Development, Seattle, WA.

*Parr, A. D., **Lanza**, S. T., & Factor, M. (2013, April). *Examination of Leadership Personality Profiles Using Latent Class Analysis*. Poster presented at the 28th annual meeting of the Society for Industrial and Organizational Psychology, Houston, TX.

*Vasilenko, S. A., Kugler, K. C., Butera, N., & **Lanza**, S. T. (2013, April). *Patterns of Sexual Behavior in Adolescence: A Latent Class Approach*. Poster presented to the Society for Research in Child Development, Seattle, WA.

Piper, M. E., Deiches, J. F., Baker, T. B., & **Lanza**, S. T. (2013, March). Early Lapses in a Cessation Attempt: Lapse Contexts, Cessation Success and Predictors of Early Lapse. Poster presented to the Society for Nicotine and Tobacco Research, Boston, MA.

*Vasilenko, S. A., **Lanza**, S. T., Liu, X., Yang, J., Li, R. & Piper, M. E. (2013, March). Time-varying predictors of smoking after quit attempt: Application of a new approach to EMA data. Poster presented to the Society for Nicotine and Tobacco Research, Boston, MA.

*Vasilenko, S. A., Liu, X., **Lanza**, S. T., Piper, M. E., & Li, R. (2012, June). *Smoking cessation fatigue in relapsers and successful quitters using a time-varying effects model*. Paper presented at the Society for Prevention Research Annual Meetings, Washington, DC.

Coffman, D. L., Williams, J. S., Xu, S., **Lanza**, S. T., & Birch, L. L. (2012, June). *Do mothers' eating behaviors cause daughters' dieting? Drawing causal inferences from the Early Dieting in Girls study*. Paper presented at the Society for Prevention Research Annual Meetings, Washington, DC.

Rhoades, B. L., & **Lanza,** S. T. (2012, June). *Who benefits most from Head Start? Using latent class moderation to examine differential treatment effects*. Paper presented at the Society for Prevention Research Annual Meetings, Washington, DC.

Cleveland, M. J., **Lanza,** S. T., Ray, A., Turrisi, R., & Mallett, K. (2012, June). *Using latent transition analysis to assess differential treatment effects: Results from a randomized controlled trial of first-year college students*. Paper presented at the Society for Prevention Research Annual Meetings, Washington, DC.

Lanza, S. T., Mathur, C., & Rhoades, B. L. (2012, June). *Mixture regression modeling to explore differential effects of risk factors for adolescent delinquency*. Paper presented at the Society for Prevention Research Annual Meetings, Washington, DC.

*Butera, N., **Lanza**, S. T., & Coffman, D. L. (2012, June). *Effect of early sexual debut on adolescent delinquency latent class membership.* Poster presented at the Society for Prevention Research Annual Meetings, Washington, DC.

Bray, B., **Lanza, S.**, & Tan, X. (2011, June). *Classify-Analyze Approaches in Latent Class Analysis: The Importance of Inclusive Modeling.* Paper presented at the Annual Meeting of Society for Prevention Research, Washington, DC.

Cleveland, M.J., **Lanza**, S. T., Ray, A., Turrisi, R., & Mallett, K. (2011, June). *First-year college students' drinking patterns: Does drinking latent class membership moderate parent- and peer-based intervention components?* Poster presented at the 34th Annual Meeting of the Research Society on Alcoholism, Atlanta, GA.

Dziak, J., Huang, L., Tan, S., **Lanza, S.**, Li, R., Collins, L., & Xu, S. (2011, June). *Software Advances from The Methodology Center at Penn State.* Technology demonstration presented at the Annual Meeting of the Society for Prevention Research in, Washington, DC.

Dziak, J., **Lanza, S**., & Li, R. (2011, June). *Sensitivity and Specificity of Information Criteria for Model Selection in Prevention and Psychology Datasets.* Poster presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

Lanza, S., Coffman, D., Xu, S., & Almirall, D. (2011, June). *Causal Inference in Latent Class Analysis.* Paper presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

Lanza, S., Tan, X., & Li, R. (2011, June). *Joint Modeling of HIV Disease Course and Survival: Effects of Alcohol, Tobacco, and Drug Use.* Paper presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

Maldonado-Molina, M. M., Tan, X., **Lanza, S.**, & Wagenaar, A., (2011, June). *Effects of Beer Volume Tax on Alcohol-Related Mortality in 26 States from 1969 to 2004: An Application of a Varying Effects Model.* Paper presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

*Mathur, C., Stigler, M. H., Erickson, D. J., **Lanza**, S. T., Perry, C. L., Arora, M., & Reddy, K. S. (2011, June). *Socioeconomic differentials in stages of tobacco acquisition among adolescents in India.* Poster presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

*Shiyko, M., **Lanza, S.**, Tan, X., Shiffman, S., & Li, R. (2011, June). *Between-Group Differences in Temporal Dynamics of Negative Affect, Self-Confidence, and Smoking Urges in Short-Term Successful Quitters and Relapsers: Applications of the Model with Varying Effects (MOVE).* Paper presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

Tan, X., **Lanza, S.**, & Bray, B., (2011, June). *Latent Class Analysis with a Distal Outcome: Traditional and New Approaches.* Paper presented at the Annual Meeting of the Society for Prevention Research, Washington, DC.

Moore, J. E., Coffman, D., & **Lanza**, S. T. (2011, March). *Drawing Causal Inferences Using Propensity Scores.* Paper presented at the Bi-Annual Meeting of the Society for Research on Child Development, Montreal, Canada.

Collins, L. M., Dziak, J. J., Huang, L., **Lanza**, S. T., Li, R., & Tan, X. (2010, June). *New development of statistical software for prevention research in The Methodology Center.* Technology demonstration presented at the Society for Prevention Research conference, Denver, CO.

Lanza, S. T., & Rhoades, B. L. (2010, June). *Subgroup analysis from a latent variable perspective: Identifying latent classes of children at risk for adverse outcomes.* Paper presented at the Society for Prevention Research conference, Denver, CO.

Rhoades, B. L. & **Lanza**, S. T. (2010, June*). Identifying subgroups of adolescents at risk for substance use: An application of latent class analysis.* Paper presented at the Society for Prevention Research conference, Denver, CO.

Goodman, W. B., Crouter, A. C., **Lanza**, S. T., Cox, M. J., & Vernon-Feagans, L. (2010, March). *Paternal work stress and father-infant parenting quality: A latent profile analysis.* Paper presented at the International Conference on Infant Studies, Baltimore, MD.

Dziak, J. J., Min, Y., & **Lanza**, S. T. (2009, May). *Sample size requirements in latent class analysis: The power of the bootstrap test for detecting a class.* Poster presented at the Society for Prevention Research conference, Washington, D.C.

Maldonado, M. M., Komro, K. **Lanza**, S. T., Altman, D., & Prado, G. (2009, May). *Ethnic differences in stages of recent drug use among inner-city early adolescents.* Poster presented at the Society for Prevention Research

conference, Washington, D.C.

*Min, Y., Dziak, J. J., & **Lanza**, S. T. (2009, May). *The effects of sample size and model characteristics on the accuracy of parameter and standard error estimation in latent class analysis*. Poster presented at the Society for Prevention Research conference, Washington, D.C.

*Rhoades, B. L., **Lanza**, S. T., & Greenberg, M. T. (2009, May). *Latent classes of demographic and familial risk for early executive function deficits*. Paper presented at the Society for Prevention Research conference, Washington, D.C.

Lanza, S. T. (2008, May). *Using latent transition analysis to model transitions in dating and sexual risk behavior*. Paper presented at the Society for Prevention Research conference, San Francisco, CA.

Lemmon, D., Bray, B. C., **Lanza**, S. T., & Dziak, J. J. (2008, May). *New developments in SAS procedures for prevention research*. Technology demonstration presented at the Society for Prevention Research conference, San Francisco, CA.

Goodman, W. B., Crouter, A. C., **Lanza**, S. T., Cox, M. J., Vernon-Feagans, L., & The Family Life Project Key Investigators (2007, November). *Paternal work experiences and father-infant interactions: a latent class analysis*. Paper presented at the National Council on Family Relations conference, Pittsburgh, PA.

Bray, B. C., **Lanza**, S. T., & Collins, L. M. (2007, May). *Modeling the longitudinal relation between adolescent drinking and smoking behavior*. Poster presented at the Society for Prevention Research conference, Washington, D.C.

Chung, H., **Lanza**, S. T., & Loken, E. (2007, May). *Latent transition analysis: Inference and estimation*. Poster presented at the Society for Prevention Research conference, Washington, D.C.

*Rhoades, B. L., **Lanza**, S. T., Nix, R. L., Greenberg, M. T., & Conduct Problems Prevention Research Group (2007, May). *Identifying early risk profiles for behavior and academic problems in late childhood: An application of latent class analysis*. Poster presented at the Society for Prevention Research conference, Washington, D.C.

Maldonado, M. M., Prado, G., **Lanza**, S. T., Collins, L. M., & Canino, G. (2007, May). *Hispanic drug use: Patterns of substance use involvement among adolescents*. Poster presented at the Society for Prevention Research conference, Washington, D.C.

Root, T. L., Collins, L. M., **Lanza**, S. T., Lemmon, D., & Schafer, J. L. (2007, May). *Latent class analysis for small samples*. Poster presented at the Society for Prevention Science conference, Washington, D.C.

Jung, H., Schafer, J. L., Ridenour, T., & **Lanza**, S. T. (2007, May). *Using latent class variables as predictors*. Poster presented at the Society for Prevention Research conference, Washington, D.C.

*Rhoades, B. L., **Lanza**, S. T., Nix, R. L., Greenberg, M. T., & Conduct Problems Prevention Research Group (2007, March). *Profiles of early risk for externalizing problems and social competence in late childhood*. Poster presented at the Society for Research in Child Development conference, Boston, MA.

Goodman, W. B., Crouter, A. C., **Lanza**, S. T., Cox, M. J., and The Family Life Project Key Investigators (2007, March). *Paternal work characteristics and the quality of father-infant interactions with low-income, rural families*. Paper presented at the Society for Research in Child Development conference, Boston, MA.

Dorius, C. J., Crouter, A. C., **Lanza**, S. T., & Vernon-Feagans, L. (2006, November). *Maternal stimulation in low-income rural families: Does self-direction at work matter?* Paper presented at the National Council on Family Relations conference, Minneapolis, MN.

Lemmon, D., & **Lanza**, S. T. (2006, June). *PROC LCA: A SAS procedure for latent class analysis*. Technology demonstration presented at the Society for Prevention Research conference, San Antonio, TX.

Lanza, S. T., Foster, E. M. (2005, June). *Using a behavioral problems checklist to assess risk of substance use: An IRT analysis of differential item functioning across gender*. Poster presented at the Society for Prevention Research conference, Washington, DC.

Tanner, J. L., **Lanza**, S. T., Reinherz, H. Z., & Leis, J. A. (2005, February). *Emerging adulthood: An era of well-being or risk for poor mental health?* Paper presented at the Conference on Emerging Adulthood, Miami, FL.

Lanza, S. T., & Collins, L. M. (2004, July). *Latent stage sequence analysis*. Paper presented at the Society for Multivariate Analysis in the Behavioral Sciences, Jena, Germany.

Lanza, S. T., Donny, E. C., & Balster, R. L. (2004, June). *The increasing regularity of rat nicotine self-administration during acquisition*. Poster presented at the College on Problems of Drug Dependence, San Juan, PR.

Lanza, S. T., Donny, E. C., Collins, L. M., & Balster, R. L. (2003, June). *Analyzing the acquisition of drug self-administration using growth curve models*. Poster presented at the College on Problems of Drug Dependence, Bal Harbor, FL.

Donny, E. C., **Lanza**, S. T., Balster, R. L., Collins, L. M., Caggiula, A. R., & Rowell, P. (2003, June). *Using growth models to relate acquisition of nicotine self-administration to break point and nicotinic receptor binding*. Poster presented at the College on Problems of Drug Dependence, Bal Harbor, FL.

Lanza, S. T. (2003, April). *Exploring gender differences and change over time in subtypes of adolescent depression using latent class and latent transition analysis*. Paper presented at the Society for Research on Child Development, Tampa, FL.

Lanza, S. T., Collins, L. M., & Schafer, J. L. (2001, June). *Model fit for incomplete categorical data: A substance use example*. Poster presented at the Society for Prevention Research conference, Washington DC.

Feinberg, M., McHale, S., **Lanza**, S., & Crouter, A. C. (2001, April). *Sibling and parent relationship trajectories: The search for nonshared environmental processes in the family*. Paper presented at the Society for Research on Child Development conference, Minneapolis, MN.

Collins, L.M., Schafer, J.L., **Lanza**, S.T., & Flaherty, B.P. (2001, January). *Latent transition analysis: Some new results using data augmentation*. Paper presented at the Quantitative Methods and Measurement Colloquium Series, University of California, Santa Barbara.

Hyatt (Lanza), S. L., & Loken, E. (2000, August). *Substance use risk types as latent classes*. Paper presented at the Add Health User's Workshop, Bethesda, MD.

Collins, L.M., Schafer, J.L., **Hyatt (Lanza)**, S.L., & Flaherty, B.P. (2000, July). *A demonstration of WinLTA*. Paper presented at the biennial meetings of the Society for Multivariate Applications in the Behavioral Sciences, London, England.

Hyatt (Lanza), S. L., & Loken, E. (2000, June). *Adolescent substance use risk profiles as latent classes*. Poster presented at the Society for Prevention Research conference, Montreal, Canada.

Loken, E., **Hyatt (Lanza)**, S. L., & Porfeli, E. (2000, June). *Can coaching help students qualify as gifted?* Paper presented at the American Psychological Society conference, Miami, FL.

Maldonado, M. M., **Hyatt (Lanza)**, S. L., & Collins, L. M. (2000, June). *Using latent transition analysis to test the gateway hypothesis of drug use onset in the Add Health data*. Poster presented at the Society for Prevention Research conference, Montreal, Canada.

Collins, L.M., **Hyatt (Lanza)**, S.L., & Flaherty, B.P. (1999, October). *Latent transition analysis: A method for estimating and testing stage-sequential models in longitudinal contingency tables*. Presented at Measuring Change in Complex Social Systems: Best Practices and State-of-the-Art Developments for Measuring Change in Organizations, College Park, MD.

Collins, L. M., Schafer, J. L., **Hyatt (Lanza)**, S. L., & Flaherty, B. P. (1999, July). *Using data augmentation in latent class models for longitudinal data: Estimation, standard errors and hypothesis tests involving combinations of parameters*. Paper presented at the European Meetings of the Psychometric Society, Lueneberg, Germany.

Hyatt (Lanza), S. L., & Collins, L. M. (1999, July). *Pubertal timing and the stages of drug use*. Paper presented at the Add Health User's Workshop, Bethesda, MD.

Hyatt (Lanza), S. L., & Collins, L. M. (1999, June). *Pubertal timing and the stages of drug use*. Poster presented at the Society for Prevention Research conference, New Orleans, LA.

Collins, L. M., **Hyatt (Lanza)**, S. L., Flaherty, B. P., Schafer, J. L., & Hames, K. (1999, June). *A demonstration of WinLTA 2.0*. Presented at the Annual Meetings of the Society for Prevention Research, New Orleans, LA.

Hyatt (Lanza), S. L., Collins, L. M., & Schafer, J. L. (1998, October). *Gun availability and adolescent substance use: Using multiple imputation to get standard errors*. Poster presented at the New Methods for the Analysis of Change conference, University Park, PA.

Hyatt (Lanza), S. L., Collins, L. M., Schafer, J., & Graham, J. W. (1998, June). *Using data augmentation to get standard errors of parameter estimates in Latent Transition Analysis*. Poster presented at the Society for Prevention Research conference, Park City, UT.

Hyatt (Lanza), S. L., Jacobs, J., Tanner, J. L., & Eccles, J. (1998, April). *Explaining the decrease in adolescents' math and sports ability and interest: An example using Hierarchical Linear Modeling*. Poster presented at the Academic Educational Research Association conference, San Diego, CA.

Collins, L. M., **Hyatt (Lanza)**, S. L., & Graham, J. W. (1998, February). *Perceived parental permissiveness as a risk factor for substance use onset: An example of Latent Transition Analysis*. Presented at the Institute for Social Research, University of Michigan, Ann Arbor, MI. Also presented February, 1998 at the Population Research Institute, Pennsylvania State University.

Hyatt (Lanza), S. L., & Collins, L. M. (1998, February). *Substance use trajectories for adolescents with permissive parents: An example using Latent Transition Analysis.* Poster presented at the Society for Research on Adolescence conference, San Diego, CA.

Jacobs, J. E. & **Hyatt (Lanza)**, S. L. (1998, February). *My parents are too strict: Relations between parenting practices and adolescent decision making.* Poster presented at the Society for Research on Adolescence conference, San Diego, CA.

Collins, L. M., **Hyatt (Lanza)**, S. L., & Graham, J. W. (1997, June). *LTA as a way of testing models of stage-sequential development in longitudinal data*. Presented at Practical Approaches to Longitudinal and Multi-Group Data, Max Plank Institute for Human Development, Berlin, Germany.

Hyatt (Lanza), S. L., & Collins, L. M. (1997, May). *Modeling advanced substance use using Latent Transition Analysis*. Poster presented at the Society for Prevention Research conference, Baltimore, MD.

Select Recent Local Presentations

*Braymiller, J. L., & **Lanza**, S. T. (2018, March). *Examining patterns of nicotine use in 18-24 year olds: Implications for prevention and policy*. Presented at the Penn State Graduate Research Exhibition, Pennsylvania State University.

Lanza, S. T. (2017, September). *Continuing to advance high-impact prevention science: Setting the course in a changing landscape.* Presented at the Edna Bennett Pierce Prevention Research Center, Pennsylvania State University.

Dziak, J. J., Bray, B. C., **Lanza**, S. T. (2017, May). *Performance of multiple imputation for missing data in latent class analysis*. Poster presented at the Rao Prize Conference, Department of Statistics, Pennsylvania State University.

Lanza, S. T. (2017, April). *Finite mixture modeling to understand within-person affect variability.* Presented at the Department of Statistics, Pennsylvania State University.

Bray, B. C., Dziak, J. J., & **Lanza**, S. T. (2015, March). *The good, the bad, and the ugly: What we know today about latent class analysis with distal outcomes.* Poster presented at the College of Health and Human Development Annual Research Forum, Pennsylvania State University.

Teaching and Mentoring Experience

Courses

- Developed new graduate courses: Introduction to Latent Class and Latent Transition Analysis; New Methods for Analysis of Intensive Longitudinal Data; Introduction to Time-Varying Effect Modeling

Spring 2018   Instructor for graduate course: *Advanced Biobehavioral Research Strategies*
The Pennsylvania State University, Department of Biobehavioral Health
SRTE (scale of 1 to 7): Overall quality of instructor: 7.00, Overall quality of course: 7.00

Spring 2017   Instructor for graduate course: *Advanced Biobehavioral Research Strategies*
The Pennsylvania State University, Department of Biobehavioral Health
SRTE (scale of 1 to 7): Overall quality of instructor: 6.67, Overall quality of course: 6.67

Spring 2016   Instructor for graduate course: *Advanced Biobehavioral Research Strategies*
The Pennsylvania State University, Department of Biobehavioral Health
SRTE (scale of 1 to 7): Overall quality of instructor: 6.71, Overall quality of course: 6.83

Spring 2015   Co-Instructor for graduate course: *Introduction to Time-Varying Effect Modeling*
The Pennsylvania State University, Department of Human Development and Family Studies
SRTE (scale of 1 to 7): Overall quality of instructor: 7.00, Overall quality of course: 7.00

Fall 2013   Co-Instructor for graduate course: *New Methods for Analysis of Intensive Longitudinal Data*
The Pennsylvania State University, Department of Human Development and Family Studies
SRTE (scale of 1 to 7): Overall quality of instructor: 6.75, Overall quality of course: 6.25

Spring 2011   Co-Instructor for graduate course: *Latent Class and Latent Transition Analysis*
The Pennsylvania State University, Department of Human Development and Family Studies
SRTE (scale of 1 to 7): Overall quality of instructor: 6.17, Overall quality of course: 5.83

Spring 2009   Co-Instructor for graduate course: *Latent Class and Latent Transition Analysis*
The Pennsylvania State University, Department of Human Development and Family Studies

Spring 2007   Co-Instructor for graduate course: *Latent Class and Latent Transition Analysis*
The Pennsylvania State University, Department of Human Development and Family Studies

Spring 2001   Teaching assistant for undergraduate course: *Empirical Inquiry in Human Development*
The Pennsylvania State University, Department of Human Development and Family Studies

Fall 2000   Teaching assistant for graduate course: *Strategies for Data Analysis in Developmental Research*
The Pennsylvania State University, Department of Human Development and Family Studies

Fall 1998,   Teaching assistant for graduate course: *Measurement in Human Development*
Fall 2001   The Pennsylvania State University, Department of Human Development and Family Studies

Doctoral Advising (Dissertation Chair or Committee Member)

2018-   Bradley Hastings
              The Pennsylvania State University, Department of Biobehavioral Health
              Chair: Robert Turrisi

2017-   Dusti Jones
              The Pennsylvania State University, Department of Biobehavioral Health
              Chair: Jennifer Graham-Engeland

2017-   Hio Wa (Grace) Mak
              The Pennsylvania State University, Department of Human Development and Family Studies
              Chair: Gregory Fosco

2016-   Ki (Kay) Eun Shin
              The Pennsylvania State University, Department of Psychology
              Chair: Michelle Newman
              (Director of minor project)

2016-   Andrea Stroup
              The Pennsylvania State University, Department of Biobehavioral Health
              Chair: Stephen Branstetter

2016-   Brianna Sprague
              The Pennsylvania State University, Department of Human Development and Family Studies
              Chair: Lesley Ross

2015-   Jessica Braymiller,
              The Pennsylvania State University, Department of Biobehavioral Health
              Chair: Stephanie Lanza

2014-2018   Sunghye (Jen) Cho
              Title: *Parental Anxiety as an Environmental Context for Anxiety Symptom Development in Childhood*
              The Pennsylvania State University, Department of Psychology
              Chairs: Pamela Cole and Kristen Buss

2017-2018   Justin Petrovich
              Title: *Functional Principal Component Analysis and Sparse Functional Regression*
              The Pennsylvania State University, Department of Statistics
              Chair: Matthew Reimherr

2015-2017   Danica Slavish
              Title: *The Role of Neuroticism in Exposure and Reactivity to Daily Experiences and Nightly Sleep Quality*
              The Pennsylvania State University, Department of Biobehavioral Health
              Chair: Jennifer Graham-Engeland

2015-2016   Phylicia Bediako
              Title: *Youth HIV Risk in South Africa: The Role of Abstinence Motives, Substance Use, and Intervention Programs*

The Pennsylvania State University, Department of Health Policy and Administration
Chair: Rhonda BeLue

2013-2015 Korkut Bekiroglu
Title: *From Data to Interventions: Using System Identification and Robust Control Algorithms to Design Effective Treatments*
The Pennsylvania State University, Department of Electrical Engineering
Chair: Constantino Lagoa

2013-2014 Jochebed Gayles
Title: *An Integrated Multidimensional Model of Individual Well-Being in Middle Adolescence*
The Pennsylvania State University, Department of Human Development and Family Studies
Chair: Mark Greenberg

2013-2014 Hanyu Yang
Title: *Statistical Models for Scalar Response with Longitudinal Covariates*
The Pennsylvania State University, Department of Statistics
Chair: Runze Li

2013-2014 Xiaoyu Liu
Title: *Joint Modeling of Longitudinal and Survival Data: New Models, Computing Techniques, and Applications*
The Pennsylvania State University, Department of Statistics
Chair: Runze Li

2011-2014 Xiaotian Zhu
Title: *Non-Parametric Finite Multivariate Mixture Models with Applications*
The Pennsylvania State University, Department of Statistics
Chair: David Hunter

2011-2013 Alissa Parr
Title: *Proactive Followers with Leaders in Mind: Unraveling the Mystery Behind this Oxymoron*
The Pennsylvania State University, Department of Psychology
Chair: Sam Hunter
(Director of minor project)

2009-2013 Jeffrey Woo
Title: *Optimization and Statistical Estimation for the Post Randomization Method*
The Pennsylvania State University, Department of Statistics
Chair: Aleksandra Slavković

2011-2012 Esra Kurum
Title: *Joint Modeling of Longitudinal Binary and Continuous Responses: New Models, Statistical Procedures, and Applications*
The Pennsylvania State University, Department of Statistics
Chair: Runze Li

2009-2011 Patricia Grabarek
Title: *Personality Typologies as Predictors of Effective Performance in Customer Service Jobs*
The Pennsylvania State University, Department of Industrial/Organizational Psychology
Chair: Alicia Grandey
(Director of minor project)

2007-2009 Melissa Tibbits
Title: *Engagement Within and Across Leisure Activities in Adolescence: Implications for Substance Use and Sexual Activity*
The Pennsylvania State University, Department of Human Development and Family Studies
Chairs: Ed Smith and Linda Caldwell

2006-2009 Brittany Rhoades
Title: *Demographic and Familial Risks for Early Executive Function Development: Contributions of a Person Centered Perspective*
The Pennsylvania State University, Department of Human Development and Family Studies
Chairs: Mark Greenberg and Stephanie Lanza

2005-2008 Karen Auerbach

Title: *Alcohol and Marijuana Use Across the Transition to Marriage: Group Differences and Psychosocial Factors*
The Pennsylvania State University, Department of Human Development and Family Studies
Chairs: Jennifer Maggs and D. Wayne Osgood

2005-2007 Bethany Bray
Title: *Examining Gambling and Substance Use: Applications of Advanced Latent Class Modeling Techniques for Cross-Sectional and Longitudinal Data*
The Pennsylvania State University, Department of Human Development and Family Studies
Chair: Linda Collins

2003-2005 Mildred Maldonado-Molina
Title: *The Gateway Hypothesis of Substance Use: An Operational Definition, Alternative Progression Patterns, and Methodological Challenges*
The Pennsylvania State University, Department of Human Development and Family Studies
Chair: Linda Collins

Candidacy Committee Member, Biobehavioral Health

2018   Sarah Gioia
2018   Laura Mayer
2017   Emily Jones
2016   Jessica Braymiller (chair)
2016   Bradley Hastings
2016   Frank Materia

Methodology Mentor for NIH/NIDA Prevention and Methodology Training Program (T32-DA017629)

2018-   Anna Hochgraf, predoctoral fellow
2018-   Hannah Allen, postdoctoral fellow
2017-   Hio Wa (Grace) Mak, predoctoral fellow
2016-2018 Jessica Braymiller, predoctoral fellow
2016-2018 Lindsay Potter, predoctoral fellow
2014-2016 Tomorrow Wilson, predoctoral fellow
2013-2016 Rebecca Evans-Polce, postdoctoral fellow
2014-2014 Phylicia Bediako, predoctoral fellow
2014-2015 Melissa Boone Brown, postdoctoral fellow
2014-2015 Michael Russell, postdoctoral fellow
2012-2014 Annie Fairlie, postdoctoral fellow
2011-2013 Sara Vasilenko, postdoctoral fellow
2011-2012 Keri Jowers, postdoctoral fellow
2009-2011 Suellen Hopfer, postdoctoral fellow
2008-2010 Caitlin Abar, predoctoral fellow
2007-2009 Melissa Tibbits, predoctoral fellow
2005-2007 Bethany Bray, predoctoral fellow
2005-2007 Brittany Rhoades, predoctoral fellow

Mentored Awards/Grants

Scherezade Mama, Ph.D., Assistant Professor in Kinesiology, The Pennsylvania State University
Role: K07 mentor NIH/NCI (9/1/18-present)

Cara Rice, Ph.D., KL2 Scholar, The Pennsylvania State University
Role: KL2 mentor, Penn State Clinical and Translational Science Institute (1/1/18-present)

Jessica Braymiller, Graduate Student, Biobehavioral Health, The Pennsylvania State University
Role: Primary mentor, Ruth W. Ayres-Givens Scholarship (2018-2019)

Cara Rice, Ph.D., Postdoctoral Researcher, Biobehavioral Health, The Pennsylvania State University
Role: Primary mentor (9/1/15-8/31/17)

Korkut Bekiroglu, Ph.D., Postdoctoral Researcher, The Methodology Center, The Pennsylvania State University
Role: Primary mentor (7/1/15-12/31/16)

Sarah Dermody, Graduate fellow at Department of Psychology, University of Pittsburgh

Role: F31 mentor (9/1/13-8/31/15)

Maggie Holland, Ph.D., Assistant Professor at School of Nursing, University of Rochester
Role: KL2 mentor (7/1/12-6/30/15)

Micere Keels, Ph.D., Assistant Professor, Dept. of Comparative Human Development, University of Chicago
Role: Methodological Mentor, W. T. Grant Scholars Career Development Award (2012-2017)

Emily Tanner-Smith, Ph.D., Research Associate, Peabody Research Institute, Vanderbilt University
Role: Consultant on Institute of Education Sciences grant (5/1/12-4/30/14)

Jieting Zhang, Graduate student visiting Methodology Center
Role: Acting dissertation advisor (9/1/12-12/31/13)

Professional Service

Service to NIH

NIH Content Expert, Pathways to Prevention (P2P) workshop: *Strategies for Linking Youth Exposure to Preventive Interventions for Future Suicidal Behavior and Associated Morbidity and Mortality Outcomes* (2015, September).

Invited Talks at NIH-Organized Meetings (note: also listed above under Invited Talks and Workshops)
- Lanza, S. T. (2016, May). *Time as a key variable in health behavior research*. National Cancer Institute Workshop: Extending Methods in Dietary Patterns Research. Rockville, MD.
- Lanza, S. T. (2016, January). Time-varying effect modeling to study developmental and dynamic processes. NIH Office of Disease Prevention, Medicine: Mind the Gap lecture.
- Lanza, S. T. (2014, June). *Intensive longitudinal data to advance behavioral research: Data integration opportunities and challenges*. Presented at the Big Data to Knowledge (BD2K) Data Integration Meeting, Bethesda, MD.
- Lanza, S. T. (2008, December). *Data sharing requirements: The analyst's perspective*. Presented at the NIDA Crossroads: Sharing Social Environment and Genetic Data Meeting, Bethesda, MD.
- Lanza, S. T. (2008, July). *Methodological/statistical issues in grant proposal development*. Instructor at the NIH Addiction Research Training Institute: Leadership Development Workshop, Atlanta, GA.
- Lanza, S. T. (2008, July). *Modeling sexual risk behavior as a categorical latent variable*. Presented at the NIDA Sexual Acquisition and Transmission of HIV Cooperative Agreement program (SATH-CAP) Analytic Workgroup Meeting, Bethesda, MD.

NIH Grant Review
- Addressing Suicide Research Gaps RFA Review Council (2/2018)
- NIH Research Conference Grants (Parent R13) Review Council (12/2017)
- "Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data" Review Council (6/2016)
- AIDS Research Review Committee (AIDS-RRC) Review Council (11/2014)
- "Seek, Test, Treat, and Retain Data Harmonization Coordinating Center" U01 (ZDA1 EXL T 13) Review Council (12/2013)
- "Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data" Review Council (6/2011)
- "SBIR Phase I Project – Improving Measures of Addiction Risk" Review Council (1/2011)
- Behavioral Genetics and Epidemiology (BGES) Study Section (6/2010)
- Cutting-Edge Basic Research Awards (CEBRA) Review Council (1/2008)
- Community Influences on Health Behavior (CIHB) Study Section (10/2005, 6/2006, 2/2007)

Conferences Organized

2017   Summer Institute on Innovative Methods, University Park, PA, June 29-30, 2017
            Statistical Power Analysis for Intensive Longitudinal Studies
            (presenters: Drs. Niall Bolger and Jean-Phillippe Laurenceau)

2016   Summer Institute on Innovative Methods, University Park, PA, July 21-22, 2016
            Ecological Momentary Assessment (EMA): Investigating Biopsychosocial Processes in Context
            (presenters: Drs. Joshua Smyth, Kristin Heron, and Michael Russell)

2015   Summer Institute on Innovative Methods, Rockville, MD, June 11-12, 2015

Introduction to Time-Varying Effect Models (presenters: Dr. Stephanie Lanza and Dr. Sara Vasilenko)

2014 Summer Institute on Innovative Methods, Ann Arbor, MI, June 19-20, 2014
Experimental Design and Analysis Methods for Developing Adaptive Interventions: Getting SMART
(presenters: Dr. Daniel Almirall and Dr. Inbal Nahum-Shani)

2013 The Future of HIV Prevention and Treatment: Integrating Innovative Methods with Intervention Science, Bethesda, MD, September 12-13, 2013 (primary presenters: Dr. Seth Kalichman, Dr. Rick Altice, Dr. Linda Collins, Dr. Daniel Almirall); co-funded by NIDA, OAR, OBSSR

2013 Summer Institute on Innovative Methods, The Pennsylvania State University, June 27-28, 2013
Introduction to Latent Class Analysis (presenters: Dr. Stephanie Lanza and Dr. Bethany Bray)

2012 Summer Institute on Innovative Methods, The Pennsylvania State University, June 20-21, 2012
Causal Inference using Propensity Scores (presenter: Dr. Donna Coffman)

2012 Preconference Workshop for Society for Research on Nictotine and Tobacco, Houston, TX, March 13, 2012 (Drs. Stephanie Lanza and Megan Piper, Co-Organizers)
New Methods for Advancing Research On Tobacco Dependence

2011 Summer Institute on Innovative Methods, Rockville, MD, September 8-9, 2011
The Multiphase Optimization Strategy (presenter: Dr. Linda Collins)

2010 Summer Institute on Longitudinal Methods, The Pennsylvania State University, June 7-9, 2010
Analysis of Longitudinal Dyadic Data (presenters: Dr. Niall Bolger, Dr. Jean-Philippe Laurenceau)

2009 Summer Institute on Longitudinal Methods, The Pennsylvania State University, June 29-July 1, 2009
Latent Class and Latent Transition Analysis (presenters: Dr. Linda Collins, Dr. Stephanie Lanza)

2008 Summer Institute on Longitudinal Methods, The Pennsylvania State University, June 2-4, 2008
Statistical Mediation Analysis (presenter: Dr. David Mackinnon)

2007 Summer Institute on Longitudinal Methods, The Pennsylvania State University, June 4-6, 2007
Mixed Models for Longitudinal Continuous and Dichotomous Data (presenter: Dr. Donald Hedeker)
Practical Tools for Causal Inference (presenter: Dr. Joseph Schafer)

2006 Summer Institute on Longitudinal Methods, The Pennsylvania State University, June 12-14, 2006
Causal Inference (presenter: Dr. Christopher Winship)

Service to the Profession

2017-present Co-chair, Methods for Leveraging Big Data in Prevention Science: Mapping Advances in Prevention Science (MAPS) V Task Force, Society for Prevention Research
2015-2018 Member, Society for Prevention Research board of directors
2015-2018 Chair, Nominations Committee, Society for Prevention Research
2016 Program Committee Member, International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS)
2015-2017 Member, Society for Prevention Research awards committee
2012-2016 Associate Editor, *Prevention Science*
2014-2015 Planning Committee Member, Society for Ambulatory Assessments annual meeting
2015 Reviewer, Society for Prevention Science Early Career Preventionist Network (ECPN) poster contest
2013 Cambridge University Press [book proposal]
2010-2012 Editorial Board Member, *Prevention Science*
2005 Member, Methodology Planning Subcommittee for Society of Prevention Research annual meeting
2002-present Ad-hoc Reviewer: *Addiction, Alcoholism: Clinical and Experimental Research, American Journal of Public Health, Annals of Behavioral Medicine, Archives of Pediatrics & Adolescent Medicine, Criminology, Developmental Psychology, Drug and Alcohol Dependence, Journal of Adolescence, Journal of the Royal Statistical Society: Series A, Journal of Studies on Alcohol and Drugs, Multivariate Behavioral Research, Nicotine and Tobacco Research, Organizational Research Methods, Prevention Science, Psychological Methods, Psychology of Addictive Behaviors, Statistics and Medicine*

Service to The Pennsylvania State University

2017- Member, BBH Promotion and Tenure Committee
2017- Member, BBH Graduate Program Committee
2018- Member, BBH Search Committee Member, SSRI Co-Hire for Consortium to Combat Substance Abuse

2018   Member, PSU Strategic Planning Task Force to Address the Opioid Epidemic
2016-2017   Chair, Health and Human Development Task Force for formation of new research center, "Center for Individualized Health Research and Intervention"
2016-2017   Chair, Search Committee for BBH Inderdisciplinary Methodologist
2016-2017   Co-chair, RCCI Communications and Onboarding Working Group
2016   Search Committee Member, Director of the Institute for Cyberscience (ICS)
2016   Chair, Health and Human Development Center Promotion Committee
2016   Panel Member, Graduate Student Alumni Society Professional Development Workshop
2015-2016   Co-chair, RCCI Data Governance Working Group
2015-2017   Advisory Council Member, Research Computing and Cyberinfrastructure (RCCI) Governance
2015-   Internal Advisory Board Member, Population Research Institute's Computational and Spatial Analysis Core
2015-2016   Member, BBH Research Committee
2015   Search Committee Member, ISS Helpdesk Supervisor
2015   Reviewer, Clinical and Translational Science Institute's Novel Approaches to Big Data RFA
2013-2014   Planning Council, College of Health and Human Development Strategic Planning
2008-2014   Member and HHD Representative, Graduate Student Alumni Society (GSAS) Board of Directors
2013, 2014 Search Committee Member, Director of the Edna Bennett Pierce Prevention Research Center
2010-2014   Presented Workshop: Lanza, S. T. *Landing that academic job: The art of giving a job talk*
   - October, 2014 at The Methodology Center seminar series, University Park, PA.
   - November, 2011 at the Graduate Student Association seminar series, University Park, PA
   - January, 2011 at The Methodology Center seminar series, University Park, PA.
   - March, 2011 at the Penn State Department of Adult Education, University Park, PA
   - November, 2010 at the Penn State Graduate Student Alumni Society Soft Skills Workshop Series, University Park, PA.
2011-2014   Member, The Methodology Center Green Team
2011   Search Committee Member, supervising teacher at Bennett Family Center
2010, 2011 Panel Member, *Giving Poster Presentations*. Workshop presented for the Penn State Graduate Student Association
2005-2009   Editor, The Methodology Center Perspective newsletter

Continuing Education

2014   Project Management: Skills for Success. Learning Tree International (Certification received)