

ANNE ELIZABETH RAY, Ph.D., M.Ed.

CURRICULUM VITAE

University of Kentucky
College of Public Health
Department of Health, Behavior and Society

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EDUCATION

- Ph.D. The Pennsylvania State University, 2011
Biobehavioral Health
Dissertation: An Event-level Analysis of Drinking Behaviors in College Freshmen
Advisor: Rob Turrisi, Ph.D.
- M.Ed. The Pennsylvania State University, 2010
Counselor Education
Master's Paper: Alcohol Use Prevention with At-risk High School Students
Advisor: Jerry Trusty, Ph.D.
- B.S. The Pennsylvania State University, 2004, *With Distinction*
Major: Psychology
Minors: Business, Civic & Community Engagement

EMPLOYMENT

- 2019 – Present **Assistant Professor**
Department of Health, Behavior and Society
College of Public Health
University of Kentucky
- 2018 – 2019 **Instructor**
Department of Health Behavior, Society and Policy
Rutgers School of Public Health
Rutgers Biomedical and Health Sciences
- 2015 – 2017 **Research and Program Specialist**
REAL Prevention, LLC
- 2014 – 2015 **Research Associate**
Center of Alcohol Studies
Rutgers, The State University of New Jersey
- 2011 - 2014 **Postdoctoral Research Associate**
Center of Alcohol Studies
Rutgers, The State University of New Jersey

HONORS & AWARDS

- 2012-2014 Junior Investigator Award, Research Society on Alcoholism and NIAAA
2012-2014 Extramural Loan Repayment Program, NIAAA
2011 Special Events Travel Award, American Psychological Association
2009-2011 Ruth L. Kirschstein National Research Service Award, NIAAA
2009 Ruth W. Ayres-Givens Scholarship, The Pennsylvania State University
2008 Memorial Award, Research Society on Alcoholism and NIAAA
2007-2009 Hintz Graduate Education Enhancement Fellowship Award, The Pennsylvania State University
2007-2008 Student Merit Travel Award, Research Society on Alcoholism and NIAAA
2007 Graduate Student Travel Award, Department of Biobehavioral Health, The Pennsylvania State University
2006 Excellence in Graduate Recruitment Award, The Pennsylvania State University

RESEARCH INTERESTS

Broadly, my research interests lie in the etiology and prevention of substance use among adolescent and emerging adult populations. My recent work has focused on leveraging technology and organizational partnerships to scale up evidence-based programming and improve program implementation and dissemination for maximum impact.

GRANT AWARDS

PENDING

Cross-tailoring integrative alcohol and risky sex feedback for college students: A hybrid type 1 effectiveness-implementation trial, National Institute on Alcohol Abuse and Alcoholism (NIAAA) R01. Submitted June 5, 2019. Discussed and will be resubmitted March 5th, 2020.
Role: PI

CURRENT

Efficacy of a mobile parent-based intervention to reduce alcohol use by high school seniors, National Institute on Alcohol Abuse and Alcoholism (NIAAA) R44.
Role: Co-Investigator (PI: Hecht)

COMPLETED

Interactive technology for media literacy drug prevention in community groups, National Institute on Drug Abuse (NIDA) 2R42DA039595-02A1. May 2017 to April 2019.
Role: Consultant (PIs: Hecht and Greene)

Marketability of a technology-based intervention to increase HPV vaccination, Centers for Disease Control and Prevention (CDC) 5R44DP006291-03. September 2016 to September 2018.
Role: Key Personnel (PI: Hecht)

Feasibility of a mobile parent-based intervention to reduce alcohol use by high school seniors, National Institute on Alcohol Abuse and Alcoholism (NIAAA) 1R43AA025293-01A1. August 2017 to July 2018.
Role: Co-Investigator (PI: Hecht)

Feasibility of a smartphone kiosk intervention to increase HPV vaccination, National Cancer Institute (NCI) R43 CA192437-01A1. April 2015 to January 2016.
Role: Key Personnel (PI: Hopfer)

Interactive technology for media literacy drug prevention in community groups, National Institute on Drug Abuse (NIDA) R41DA039595-01. May 2015 to January 2016.
Role: Key Personnel (PI: Hecht & Greene)

Innovative analyses of alcohol intervention trials for college students, National Institute on Alcohol Abuse and Alcoholism (NIAAA) R01 AA 019511. April 2010 to March 2016.
Role: Key Personnel (PI: Eun-Young Mun)

Preventing college student alcohol misuse: The role of self-regulated drinking behaviors and other intervention components, National Institute on Alcohol Abuse and Alcoholism (NIAAA) L30 AA 021595. July 2012 to June 2014.
Role: Principal Investigator

An event-level analysis of drinking behaviors in college freshmen, National Institute on Alcohol Abuse and Alcoholism (NIAAA) F31 AA 018899. September 2009 to June 2011.
Role: Principal Investigator

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Ray, A. E., Greene, K., Hecht, M. L., Barriage, S., Miller-Day, M., Evans, W., & Banerjee, S. C. (2019). Adapting an evidence-based media literacy curriculum to prevent youth substance use for community groups. *JMIR Formative Research*, 3: e12132.

Wackowski, O. A. **Ray, A. E.**, & Stapleton, J. L. (2019). Smokers' perceptions of risks and harm from snus relative to cigarettes: a latent profile analysis study. *Addictive Behaviors*, 91: 171-174.

Peña-Alves, S., Greene, K., **Ray, A. E.**, Glenn, S. D., Hecht, M. L., & Banerjee, S. C. (2019). "Choose Today, Live Tomorrow": A content analysis of anti-substance use messages produced by adolescents. *Journal of Health Communication*, 24(6): 592-602.

Hopfer, S., **Ray, A. E.**, Hecht, M. L., Miller-Day, M., Belue, R., Zimet, G., Evans, W. D., McKee, F. X. (2018). Taking an HPV vaccine research tested intervention to scale in a clinical setting. *Translational Behavioral Medicine*, 8, 745-752.

Conway, F. N., Domingues, M., Monaco, R., Lesnewich, L. M., **Ray, A. E.**, Alderman, B. L., ... & Buckman, J. F. (2018). Concussion symptom underreporting among incoming National Collegiate Athletic Association Division I college athletes. *Clinical journal of sport medicine: official journal of the Canadian Academy of Sport Medicine*.

Clarke, N., Kim, S. Y., **Ray, A. E.**, White, H. R., Jiao, Y., & Mun, E. Y. (2016). The association between protective behavioral strategies and alcohol-related problems: An examination of race and gender differences among college drinkers. *Journal of Ethnicity in Substance Abuse*, 15, 25-45.

White, H. R., Anderson, K. G., **Ray, A. E.**, & Mun, E. Y. (2016) Do drinking motives distinguish extreme drinking college students from their peers? *Addictive Behaviors*, *60*, 213-218.

Grossbard, J. R., Mastroleo, N. R., Geisner, I. M., Atkins, D., **Ray, A. E.**, Kilmer, J. R., ... & Turrissi, R. (2016). Drinking norms, readiness to change, and gender as moderators of a combined alcohol intervention for first-year college students. *Addictive Behaviors*, *52*, 75-82.

White, H. R., Jiao, Y., **Ray, A. E.**, Huh, D., Atkins, D. C., Larimer, M. E., Fromme, K., Corbin, W. R., LaBrie, J. W., Baer, J. S., & Mun, E. Y. (2015). Are there secondary effects on marijuana use outcomes from brief alcohol interventions for college students? *Journal of Studies on Alcohol and Drugs*, *76*, 367-377.

Huh, D., Mun, E. Y., Larimer, M. E., White, H. R., **Ray, A. E.**, Rhew, I., Kim, S. Y., Jiao, Y., & Atkins, D. C. (2015). Brief motivational interventions for college student drinking may not be as powerful as we think: An individual participant-level data meta-analysis. *Alcoholism: Clinical and Experimental Research*, *39*, 919-931.

Huo, Y., de la Torre, J., Mun, E. Y., Kim, S. Y., **Ray, A. E.**, Jiao Y., & White, H. R. (2015). A hierarchical multi-unidimensional IRT approach for analyzing sparse, multi-group data for integrative data analysis. *Psychometrika*, *80*, 834-855.

Mun, E. Y., de la Torre, J., Atkins, D. C., White, H. R., **Ray, A. E.**, Kim, S. Y., Jiao, Y., Clarke, N., Huo Y., Larimer, M. E., Huh, D., & The Project INTEGRATE Team. (2015). Project INTEGRATE: An integrative study of brief alcohol interventions for college students. *Psychology of Addictive Behaviors*, *29*, 34-48.

Stapleton, J. L., Manne, S. L., Darabos, K., Greene, K., **Ray, A. E.**, Turner, A. L., & Coups, E. J. (2015) Randomized controlled trial of a web-based indoor tanning intervention: Acceptability and preliminary outcomes. *Health Psychology*, *34*(S), 1278-1285.

Ray, A. E., Kim, S. Y., White, H. R., Larimer, M. E., Mun, E. Y., Clarke, N., Jiao, Y., Atkins, D. C., Huh, D., & The Project INTEGRATE Team. (2014). When less is more and more is less in brief motivational interventions: Characteristics of intervention content and their associations with drinking outcomes. *Psychology of Addictive Behaviors*, *28*, 1026-1040.

Ray, A. E., Stapleton, J. L., Turrissi, R., & Mun, E. Y. (2014). Drinking game play among first-year college student drinkers: An event-specific analysis of the risk for alcohol use and problems. *American Journal of Drug and Alcohol Abuse*, *40*, 353- 358.

Scaglione, N. M., Turrissi, R., Mallett, K. A., **Ray, A. E.**, Hultgren, B., & Cleveland, M. (2014). How much does one more drink matter? Examining effects of event-level alcohol use and previous sexual victimization on sex-related consequences. *Journal of Studies on Alcohol and Drugs*, *75*, 241- 248.

Stapleton, J. L., Turrissi, R., Cleveland, M., **Ray, A. E.**, & Lu, S. E. (2014). Pre-college risk profiles and alcohol consumption patterns during the first semesters of college. *Prevention Science*, *15*, 705-715.

White, H. R., & **Ray, A. E.** (2014). Differential evaluations of alcohol-related consequences among emerging adults. *Prevention Science*, *15*, 115-124.

Marzell, M., Turrissi, R., Mallet, K. A., **Ray, A. E.**, Scaglione, N. (2014). Combining alcohol and energy drinks: An examination of psychosocial constructs and alcohol outcomes among college students using a prospective design. *Addiction Research & Theory*, *22*, 91-97.

Doumas, D. M., Turrissi, R., **Ray, A. E.**, Esp, S., Curtis-Schaeffer, A. K. (2013). Reducing heavy drinking among first year university students: A randomized trial evaluating a parent-based intervention. *Journal of Substance Abuse Treatment*, *45*, 31-37.

Tollison S. J., Mastroleo N. R., Mallett K. A., Witkiewitz K., Lee C. M., **Ray A. E.**, Larimer M. E. (2013). The relationship between baseline drinking status, peer motivational interviewing microskills, and drinking outcomes in a brief alcohol intervention for matriculating college students: a replication. *Behavior Therapy, 44*, 137-51.

Varvil-Weld, L., Turrisi, R., Scaglione, N., Mallett, K. A., & **Ray, A. E.** (2013). Parents' and students' reports of parenting: Which are more reliably associated with college student drinking? *Addictive Behaviors, 38*(3), 1699-1703.

Ray, A. E., Stapleton, J., Turrisi, R., & Phillion, E. (2012). Patterns of drinking-related protective and risk behaviors in college student drinkers. *Addictive Behaviors, 37*, 449-455.

Cleveland, M. J., Lanza, S. T., **Ray, A. E.**, Turrisi, R., & Mallett, K. A. (2012). Transitions in first-year college student drinking behaviors: Does pre-college drinking moderate the effects of parent- and peer-based intervention components? *Psychology of Addictive Behaviors, 26*, 440-450.

Mallett, K. A., Turrisi, R., **Ray, A. E.**, Stapleton, J., Abar, C., Mastroleo, N., Tollison, S., Grossbard, J., & Larimer, M. E. (2011). Do parents know best? Examining parenting profiles and their impact on peak drinking and prevention efforts among college students. *Journal of Applied Social Psychology, 41*, 2904-2927.

Mallett, K. A., **Ray, A. E.**, Turrisi, R., Belden, C., Bachrach, R. L., & Larimer, M. E. (2010). Age of drinking onset as a moderator of the efficacy of parent-based, brief motivational, and combined intervention approaches to reduce drinking and consequences among college students. *Alcoholism: Clinical & Experimental Research, 34*, 1154-1161.

Turrisi, R. & **Ray, A. E.** (2010). Sustained parenting and college drinking in first-year students. *Developmental Psychobiology, 52*, 286-294.

Mastroleo, N. R., Turrisi, R., Carney, J. V., **Ray, A. E.**, & Larimer, M. E. (2010). Examination of post-training supervision of peer counselors in a motivational enhancement intervention to reduce drinking in a sample of heavy drinking college students. *Journal of Substance Abuse Treatment, 39*, 289-297.

Grossbard, J. R., Mastroleo, N. R., Kilmer, J. R., Lee, C. M., Turrisi, R., & **Ray, A.** (2010). Substance use patterns among first-year college students: secondary effects of a combined alcohol intervention. *Journal of Substance Abuse Treatment, 39*, 384-390.

Ray, A. E., Turrisi, R., Abar, B. W., & Peters, K. E. (2009). Social-cognitive correlates of protective drinking behaviors and alcohol-related consequences in college students. *Addictive Behaviors, 34*, 911-917.

Mastroleo, N. R., Mallett, K. A., Turrisi, R., & **Ray, A. E.** (2009). Psychometric properties of the Peer Proficiency Assessment (PEPA): A tool for evaluation of undergraduate peer counselors' motivational interviewing fidelity. *Addictive Behaviors, 34*, 717-722.

Ichiyama, M. A., Fairlie, A. M. Wood, M. D., Turrisi, R., Francis, D. P., **Ray, A. E.**, & Stanger, L. A. (2009). A randomized trial of a parent-based intervention on drinking behavior among incoming college freshmen. *Journal of Studies on Alcohol and Drugs, Suppl. 16*, 67-76.

Turrisi, R., Larimer, M. E., Mallett, K. A., Kilmer, J. R., **Ray, A. E.**, Mastroleo, N. R., Geisner, I. M., Grossbard, J., Tollison, S., Lostutter, T. W., & Montoya, H. (2009). A randomized clinical trial evaluating a combined alcohol intervention for high-risk college students. *Journal of Studies on Alcohol and Drugs, 70*, 555-567.

Mastroleo, N. R., Mallett, K. A., **Ray, A. E.**, & Turrisi, R. (2008). The process of delivering peer-based alcohol intervention programs in college settings. *Journal of College Student Development*, 49, 255-259.

MANUSCRIPTS UNDER REVIEW

Greene, K., **Ray, A. E.**, Choi, H. J., Hecht, M.L., Glenn, S.G., ... Banerjee, S. (2019). Short-term effects of the real media curriculum in a sample of 4-H youth. Manuscript submitted for publication.

Greene, K., **Ray, A. E.**, Hecht, M. L., Pristavec, T., Miller-Day, M. A., & Banerjee, C. (2019). Comparing self-report, observational, and program analytic data as measures of engagement in an active involvement intervention to reduce substance use among adolescents. Manuscript submitted for publication.

Barriage, S. B., Choi, H. C., **Ray, A. E.**, Hecht, M. L., Greene, K. G., & Glenn, S. D., (2019). Exploring the relationship between youth information behavior, substance use and substance use expectancies. Manuscript submitted for publication.

MANUSCRIPTS IN PREPARATION

Ray, A. E., Kim, S.-Y., Mun, E.-Y., White, H. R., & Turrisi, R. (in preparation). Self-regulated drinking behaviors in college freshmen: An event-level analysis.

Ray, A. E., Marzell, M., Stapleton, J. L. (in preparation). The association between home football games and first-year students' drinking behaviors and experience of alcohol-related consequences.

Ray, A. E., Lyons, R., Glenn, S. D., Shirley, H., Choi, H. J., Greene, K., Hecht, M. L. (in preparation). Lessons learned from implementation of the REAL media project with the 4-H youth development program.

Stapleton, J. L., Niu, Z., **Ray, A. E.**, Parmar, V., Jake-Schoffman, D., Coups, E. J., & Pagoto, S. (in preparation). Systematic literature review of participant engagement in Facebook delivered behavioral interventions.

BOOK CHAPTERS

Mun, E.-Y., & **Ray, A. E.** (2018). Integrative data analysis from a unifying research synthesis perspective. In H. E. Fitzgerald & L. I. Puttler (Eds.), *Developmental perspectives on alcohol and other addictions over the life course*. Oxford.

Greene, K., Banerjee, S. C., **Ray, A. E.**, & Hecht, M. L. (2017). Active involvement interventions: Methods. In R. L. Parrott (Ed.), *Oxford encyclopedia of health and risk message design and processing*. New York, NY: Oxford University Press.

Turrisi, R., **Ray, A. E.**, & Abar, C. (2010). Are we done parenting? Examining the relationship of parental monitoring to prevent high-risk alcohol consumption in college students. In V. Guilamo-Ramos, J. Jaccard, & P. Dittus (Eds.), *Parental monitoring of adolescents: Current perspectives for researchers and practitioners*. NY: Columbia University Press.

SELECT CONFERENCE PRESENTATIONS

* = Student or other trainee co-author.

Glenn, S. D.*, Choi, H. J., Shirley, H., Greene, K., Hecht, M. L., **Ray, A. E.** (2019, November). *Implementation of an e-learning intervention to prevent youth substance use in the 4-h organization: Does leader involvement*

influence club member engagement? Poster presented at the annual conference on the Science of Dissemination and Implementation, Washington, DC.

Ray, A. E., Miller-Day, M., Hecht, M. L. & Turrisi, R. (2019, May). *Development and feasibility of Parenting Now: A digital adaptation of a parent-based intervention to prevent alcohol use among high school seniors*. Poster presented at the annual meeting for the Society for Prevention Research, San Francisco, CA.

Greene, K. G., Choi, H. J., **Ray, A. E.**, Hecht, M. L., Glenn, S. D., Kramer, B., Pena-Alvez, S., Lyons, R., Miller-Day, M., Banerjee, S. Short-term effects of the REAL media curriculum in a sample of 4-H youth. Poster to be presented at the annual meeting for the Society for Prevention Research, San Francisco, CA.

Stapleton, J. L., Parmar, V., **Ray, A. E.**, & Manne, S. L. (2019, March). *Development and formative testing of a web-based brief motivational intervention targeting frequent indoor tanning bed users*. Poster presented at the Annual American Society of Preventive Oncology (ASPO) Meeting, Tampa, FL.

Stapleton, J. L., Niu, Z., **Ray, A.E.**, Parmar, V., Jake-Schoffman, D., Coups, E. J., & Pagoto, S. (2019, March). Systematic Literature Review of Participant Engagement in Facebook Delivered Behavioral Interventions. Poster presented at the Annual Society of Behavioral Medicine Meeting & Scientific Sessions Conference, Washington, DC.

Stapleton, J. L., Parmar, V., Niu, Z., **Ray, A. E.**, & Greene, K. (2019, March). *Perceptions of the College Experience Impact the Healthy Lifestyle Behaviors of College Students*. Poster to be presented at the Annual Society of Behavioral Medicine Meeting & Scientific Sessions Conference, Washington, DC.

Ray, A. E. (2018, December). *Partnering with Planned Parenthood to deliver Women's Stories: Using technology to deliver HPV vaccination decision narratives*. Presentation at the Annual Conference on the Science of Dissemination and Implementation, Washington, DC.

Greene, K., **Ray, A. E.**, Bontempo, A., Hecht, M. L., Miller-Day, M., Carpenter, A., & Banerjee, S. C. (2017, May). *Measuring engagement in active involvement interventions to reduce substance use among adolescents*. Poster presented at the Society for Prevention Research, Washington, DC.

Ray, A. E., Greene, K., Hecht, M. L., Miller-Day, M., Carpenter, A., & Banerjee, S. C. (2016, December). *Adapting an evidence-based media literacy curriculum to prevent youth substance use for implementation and dissemination in community groups: The development of real media with 4-h as a community and research partner*. Poster presented at the Annual Conference on the Science of Dissemination and Implementation, Washington, DC.

Ray, A. E., Kim, S.-Y., White, H. R., Clarke, N., Jiao, Y., Mun, E. Y., Atkins, D. C., Huh, D., Larimer, M. E., & The Project INTEGRATE Team. (2014, June). *When less is more and more is less in brief motivational interventions (BMIs): Characteristics of BMI content and their associations with drinking outcomes*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Bellevue, WA.

Mun, E. Y., **Ray, A. E.**, & Jiao, Y. (2014, June). *When omitted data carry meaning: A pattern mixture modeling approach to longitudinal protective behavioral strategies data*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Bellevue, WA.

Clarke, N., Kim, S.-Y., **Ray, A. E.**, White, H. R., Jiao, Y., & Mun, E. Y. (2014, June). *The association between protective behavioral strategies and alcohol-related problems: Race and gender differences in college students*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Bellevue, WA.

Huh, D., Atkins, D. C., Larimer, M. E., **Ray, A. E.**, White, H. R., & Mun, E. Y. (2014, June). *Interventions for college student drinking are not as effective or powerful as we think: An individual participant-level data meta-*

analysis. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Bellevue, WA.

White, H. R., Mun, E.-Y., Jiao, Y., **Ray, A. E.**, Clarke, N., Kim, S.-Y., & Atkins, D. C. (2014, March). *Excessive drinking and alcohol-related problems in a multi-campus study of college student drinkers*. Presented at the 15th Biennial Meeting of the Society for Research on Adolescence, Austin, TX.

Ray, A. E., Kim, S.-Y., Mun, E.-Y., White, H. R., Turrisi, R. (2013, June). *An analysis of self-regulated drinking behaviors and drinking outcomes among first-year student drinkers utilizing event-specific data*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Orlando, FL.

Mun, E. Y., Jiao, Y., **Ray, A. E.**, White, H. R., de la Torre, J., Atkins, D. C. and Larimer, M. E. (2013, June). *Project INTEGRATE – Integrative data analysis study of college intervention studies*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism annual meeting, June 2013, Orlando, FL.

White, H. R., Mun, E. Y., **Ray, A. E.** (2013, June). *Effects of brief alcohol interventions on cigarette smoking among college students*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism annual meeting, June 2013, Orlando, FL.

White, H. R., Huh, D., Atkins, D. C., Mun, E. Y., **Ray, A. E.**, Kim, S. Y., Jiao, Y., and Larimer, M. (2013, May). *Are there secondary effects on marijuana use from alcohol interventions for college students?* Invited presentation at the annual meeting for the Society for Prevention Research, San Francisco, CA.

Huo, Y., de la Torre, J., Mun, E. Y., White, H. R., **Ray, A. E.**, & Jiao, Y. (2012, July). *An IRT based application of the integrative data analysis using MCMC for alcohol studies*. Paper presented at the 77th annual conference of the IMPS, Lincoln, Nebraska.

Ray, A. E., Kim, S.-Y., Mun, E. Y., & Marzell, M. (2012, June). *Using event-level data to examine drinking game behavior in first-year college student drinkers*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, San Francisco, CA

Ray, A. E., White, H. R., Mun, E. Y., Larimer, M. E., Clarke, N., & Project INTEGRATE Team (2012, June). *Dismantling content of brief alcohol interventions to reduce college student drinking*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, San Francisco, CA

Marzell, M., **Ray, A. E.**, & Turrisi, R. (2012, June). *High-risk drinking in first-year college students: Consumption of alcohol mixed with energy drinks*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, San Francisco, CA

Scaglione, N. M., **Ray, A. E.**, & Turrisi, R. (2012, June). *An event-level analysis of the relationship between alcohol use and sex-related consequences: Does previous victimization make a difference?* Poster presented at the Research Society on Alcoholism Annual Meeting, San Francisco, CA.

Doumas, D. M., Turrisi, R., **Ray, A. E.**, Esp, S. (2012, June). *Reducing heavy drinking among first year university students: A randomized trial evaluating a parent based intervention*. Poster presented at the Research Society on Alcoholism Annual Meeting, San Francisco, CA.

White, H. R., Mun, E. Y., **Ray, A. E.**, Jiao, Y., Huo, Y., de la Torre, J., Kim, S.-Y. (2012, June). *Using item response theory analysis to create latent alcohol problem scores for college students from multiple scales*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, San Francisco, CA

Mun, E. Y., Huo, Y., de la Torre, J., White, H. R., **Ray, A. E.**, Jiao, Y., Kim, S.-Y. (2012, June). *Scoring of college students' alcohol expectancies using item response theory analysis across studies and time*. Poster

presented at the annual scientific meeting of the Research Society on Alcoholism, San Francisco, CA

Cleveland, M., Lanza, S., **Ray, A. E.**, Turrisi, R., & Mallett, K. (2012, May). *Using latent transition analysis to assess differential treatment effects: results from a randomized control trial of first-year college students*. Paper presented at the annual meeting of the Society for Prevention Research, Washington, DC.

White, H. R., & **Ray, A. E.** (2012, May). *Differential evaluations of alcohol-related consequences among emerging adults*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

Simon, P., Mun, E. Y., **Ray, A. E.**, Jiao, Y., Bry, B. H., & Johnson, V. L. (2012, May). *The effects of a high school-based prevention program on Latino/as' 3-year substance use trajectories*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, D.C.

de la Torre, J., Huo, Y., Mun, E. Y., White, H. R., **Ray, A. E.**, & Jiao, Y. (2011, October). *Calibrating highly sparse data using multi-unidimensional item response theory model*. Paper presented at the 2nd RCEC Workshop on IRT and Educational Measurement, Enschede, The Netherlands.

Ray, A. E., Turrisi, R., Varvil-Weld, L., Scaglione, N., & Mun, E. Y. (2011, August). *Parent perceptions of the college student drinking environment: Peer drinking versus own student alcohol use*. Paper presented at the annual convention of the American Psychological Association, Washington, DC.

Ray, A. E., Stapleton, J., & Turrisi, R. (2011, June). *Quantity versus quality: An event-level analysis of drinking-related protective and risk behaviors in first year college student drinkers*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Atlanta, GA.

Ray, A. E., Scaglione, N., Varvil-Weld, L., & Turrisi, R. (2011, June). *The discrepancy between parental perceptions of their own student's alcohol use relative to their normative view of college student drinking*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, DC.

Mastroleo, N. R., Turrisi, R., **Ray, A. E.**, Bachrach, R. L., Mingo, C. T., & Belden, C. (2009, June). *Comparison of supervision training techniques in a motivational enhancement intervention to reduce college student drinking*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, San Diego, CA.

Fairlie, A. M., Wood, M. D., Ichiyama, M. A., **Ray, A. E.**, Turrisi, R., & Francis, D. P. (2009, June). *An examination of putative mediators of a parent-based intervention targeting college student alcohol use and consequences*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Diego, CA.

Ichiyama, M. A., Fairlie, A. M., Francis, D. P., Wood, M. D., Turrisi, R., **Ray, A. E.**, & Stanger, L. (2009, June). *Parent-based predictors of heavy drinking and alcohol-related problems in matriculating college women and men*. Poster presented at the annual meeting of the Research Society on Alcoholism, San Diego, CA.

Ray, A. E., Stapleton, J., & Turrisi, R. (2009, May). *Using latent profile analysis to examine risky and protective drinking behaviors in college students*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, DC.

Ray, A. E., Turrisi, R., Abar, B. W., Stapleton, J. L., & Peters, K. E. (2008, March). *Cognitive predictors underlying students' decisions to engage in risk and protective behaviors when drinking*. Poster presented at the annual scientific meeting of the Society for Behavioral Medicine, San Diego, CA.

Stapleton, J., Mastroleo, N., **Ray, A. E.**, & Turrisi, R. (2008, March). *Changing resistant health behaviors: Use of a motivational interviewing approach to reduce indoor tanning behaviors in college females*. Poster presented at the 2008 Society of Behavioral Medicine Meeting, San Diego, CA.

Ray, A. E. (2008, June). *Implementing parent-based interventions in efficacy and effectiveness trials: Lessons learned*. Paper presented at the annual scientific meeting of the Research Society on Alcoholism, Washington, DC.

Bachrach, R. L., **Ray, A. E.**, Mallett, K. A., & Turrisi, R. (2008, June). *Neuroticism and sensation seeking as predictors of protective and risky drinking behaviors*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Washington, DC.

Mastroleo, N. R., **Ray, A. E.**, Turrisi, R., Carney, J. V., Mingo, C. T., Belden, C., & Kuehn, L. (2008, June). *Impact of supervision on peer counselor ability to deliver a BASICS intervention with fidelity*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Washington, DC.

Ichiyama, M. A., Fairlie, A. M., Wood, M., **Ray, A. E.**, Turrisi, R., Stanger, L., Francis, D. (2008, June). *A randomized trial of a parent-based intervention with incoming college students*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Washington, DC.

Ray, A. E., Turrisi, R., Abar, B. W., Abar, C. C., & Peters, K. E. (2007, July). *Examination of theoretical models predicting why students choose to engage in risk and protective behaviors when drinking*. Poster presented the annual scientific meeting of the Research Society on Alcoholism, Chicago, IL.

Abar, C. C. & Turrisi, R., & **Ray, A. E.** (2007, July). *Do actions speak louder than words? Effects of parent permissibility & modeled behavior on college students' negative drinking consequences*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Chicago, IL.

Bachrach, R. L., Mallett, K. A., **Ray, A. E.**, & Turrisi, R. (2007, July). *Examining negative affect as a moderator of drinking and consequences*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Chicago, IL.

Mallett, K. A., Turrisi, R., Larimer, M. E., Mastroleo, N. R., **Ray, A. E.**, Geisner, I. M, et al. (2007, July). *An examination of the efficacy of a combined peer delivered MI and parent intervention to reduce risky drinking in college students: short and long term outcomes*. Paper presented at the annual scientific meeting of the Research Society on Alcoholism, Chicago, IL.

Ray, A. E., Mallett, K., & Turrisi, R. (2007, May). *Examination of mediating effects of social risk and protective behaviors in the relationship between drinking-related consequences and college freshman experiencing depressive symptoms*. Poster presented at the annual meeting of the Society for Prevention Research, Washington, DC.

Turrisi, R., & **Ray, A. E.** (2007, May). *Evaluating parental involvement to reduce underage drinking on a high-risk campus*. Paper presented at the annual meeting of the Society for Prevention Research, Washington, DC.

Ray, A. E., Turrisi, R., & Bentley, S. (2006, June). *An examination of a parent-based intervention to reduce harmful drinking on a high-risk campus*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Baltimore, MD.

Mastroleo, N., Turrisi, R., & **Ray, A. E.** (2006, June). *Analysis of peer-based alcohol intervention programs in college settings*. Poster presented at the annual scientific meeting of the Research Society on Alcoholism, Baltimore, MD.

TEACHING

GRADUATE LEVEL COURSES

Instructor. *Applied Research Methods*, Department of Social and Behavioral Health Sciences, Rutgers School of Public Health, Fall 2018.

Instructor. *Advanced Statistics and Research Design*, Graduate School of Applied and Professional Psychology, Rutgers, The State University of New Jersey, Spring 2012.

UNDERGRADUATE LEVEL COURSES

Co-Instructor. *Byrne Seminar Series: Topics in Addiction*, Center of Alcohol Studies, Rutgers, The State University of New Jersey, Spring 2014, Fall 2014, Spring 2015.

Co-Instructor. *Introduction to Biobehavioral Health*, Department of Biobehavioral Health, The Pennsylvania State University, Summer 2008.

CONTINUING EDUCATION COURSES

Faculty. *Program Planning and Evaluation*, The Johnson & Johnson School Health Leadership Program, Center of Alcohol Studies, Rutgers, The State University of New Jersey, Summer 2016.

INVITED GUEST LECTURES

Alcohol and policy: A focus on college student drinking in Health Policy, Rutgers School of Public Health, Rutgers University, Fall 2018.

Program implementation and evaluation: Research applications in Health Education Planning and Evaluation, Department of Social and Behavioral Health Sciences, Rutgers School of Public Health, Spring 2018.

Alcohol and policy: A focus on college student drinking in Health and Public Policy, Edward J. Bloustein School of Planning and Public Policy, Rutgers University, Spring 2018.

Engagement strategies in health promotion messages in Health Communication, Department of Communication, Rutgers School of Communication and Information. Spring 2018.

MENTORING

2019 **Faculty Advisor.** Rutgers School of Public Health MPH practicum project. Student: Claire Brown. Practicum paper: “Nothing about us without us”: Using photovoice to identify the health and wellness needs of Rutgers College Support Program (CSP) students on the autism spectrum.

2019 **Faculty Advisor.** Rutgers School of Public Health MPH practicum project. Student: KaDreamia Sims. Practicum paper: If not you...then who? Evaluation of a bystander intervention program for alcohol and sexual assault at Rutgers University.

PROFESSIONAL ACTIVITIES

PROFESSIONAL SERVICE

2019 **Reviewer.** *Implementation Science at a Glance*, National Cancer Institute.

UNIVERSITY ACADEMIC SERVICE

2019 **Member.** Strategic Planning Committee, Rutgers School of Public Health.

AD HOC JOURNAL REVIEWER

Addictive Behaviors
Alcoholism: Clinical and Experimental Research
Drug and Alcohol Dependence
Emerging Adulthood
Journal of Adolescent Health
Journal of Ethnicity in Substance Abuse
Journal of Primary Prevention
Journal of Studies on Alcohol and Drugs
Prevention Science
Psychology of Addictive Behaviors
Substance Use and Misuse