

CURRICULUM VITAE
TYLER B. WRAY, PH.D.

Department of Behavioral and Social Sciences
Center for Alcohol and Addictions Studies
Brown University School of Public Health
Box G-S 121-5, 121 S. Main Street
Providence, RI 02912
Tel: (401)-863-6659
Fax: (401)-863-6697
Email: tyler_wray@brown.edu

EDUCATION

- 2006 Bachelor of Science, Psychology
Emporia State University
- 2008 Master of Science, Clinical Psychology
Emporia State University
- 2013 Doctor of Philosophy, Clinical Psychology
University of South Dakota
- 2013 Clinical psychology internship
VA Puget Sound – Seattle
- 2015 Postdoctoral research fellowship
Brown University School of Public Health, Center for Alcohol & Addictions Studies

ACADEMIC APPOINTMENTS

- 2015 – Present **Assistant Professor**, Department of Behavioral and Social Sciences,
Brown University School of Public Health

OTHER APPOINTMENTS

- 2014-2015 Consulting Scientist, eResearch Technologies
- 2013-2015 Consultant, Decision Sciences Institute, Pacific Institute on Research and Evaluation
- 2010-2011 Primary Care Psychology Intern, Siouxland Community Health Center, Sioux City, IA
- 2009-2010 Clinical Psychology Intern, Alcohol and Drug Treatment Services, Mental Health Center of East Central Kansas, Emporia, KS

HONORS AND AWARDS

- 2016 Google “Internet of Things” (IoT) Technology Research Award

Curriculum Vitae

2016-2019	Loan Repayment Program, National Institute on Alcohol Abuse and Alcoholism, “Using Technology to Address the Intersection of Alcohol and HIV among MSM”
2014-2016	Loan Repayment Program, National Institute on Alcohol Abuse and Alcoholism, “Situational Relationships between Alcohol Use and HIV-risk in Men who have sex with Men”
2010	APA Division 50 Travel Award
2010	Young Investigator Award, National Institute on Alcohol Abuse and Alcoholism/National Institute on Drug Abuse
2007	Beverly J. Dungan Scholarship for Excellence in Graduate Psychology, Emporia State University, 2007

MEMBERSHIP IN SOCIETIES

2018-Present	Society of Behavioral Medicine
2015-Present	Institute of Electrical and Electronics Engineers – Computer Society
2008-Present	Research Society on Alcoholism
2015-2017	International AIDS Society

DEPARTMENT, CENTER, AFFILIATED HOSPITAL, OR UNIVERSITY SERVICE

2018 – Present	Alternate Member, Brown University Institutional Review Board (IRB)
2015 – 2016	Health Data Sciences Initiative, Member
2013 – 2014	Sexual Minorities, Addictions, and Sexual Health Community Advisory Board, Fellow representative.
2010 – 2012	Council of University Directors of Clinical Psychology, Representative
2010 – 2012	South Dakota Psychological Association Executive Committee, Representative
2010 – 2012	Advocacy Coordinating Team, University of South Dakota, State representative
2009 – 2010	Graduate and Professional Student Association, University of South Dakota, President

NATIONAL OR INTERNATIONAL SERVICE

Grant Application Review Boards

2017	National Institute of Allergy and Infectious Disease (NIAID), Review panel for RFA-AI-16-031: Limited Interaction Targeted Epidemiology (LITE) to Advance HIV Prevention (UG3/UH3), ZAI1 AL-A (M1), Reviewer
2017	National Institute on Mental Health (NIMH), Review panel for LA20 and LA30 Loan Repayment Program Applications, ZMH1 ERK-X (C1) S, Reviewer
2018	National Institute on Mental Health (NIMH), Review panel for LA20 and LA30 Loan Repayment Program Applications, ZMH1 ERB-C (C1) S, Reviewer

Journal Manuscript Reviewer

Addiction, Addictive Behaviors, Alcohol and Alcoholism, Alcoholism: Clinical & Experimental Research, AIDS and Behavior, AIDS Care, AIDS Patient Care & STDs, American Journal of Drug and Alcohol Abuse, Archives of Sexual Behavior, BMC Public Health, Drug and Alcohol Dependence, Family Practice, Journal of Health Psychology, Journal of Healthcare for the Poor and Underserved, Journal of the International AIDS

Curriculum Vitae

Society, Journal of Medical Internet Research (JMIR), JMIR – Mental Health, JMIR – mHealth, uHealth, JMIR Research Protocols, Journal of Studies on Alcohol and Drugs, Psychology of Addictive Behaviors, Psychological Assessment, Sexually Transmitted Diseases

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Simons, J. S., Maisto, S. A., & **Wray, T. B.** (2009). Sexual risk-taking among young adult dual alcohol and marijuana users. *Addictive Behaviors, 29*(8), 1643-1647. doi: 10.1016/j.addbeh.2009.12.026. PMID: 22646519.
2. Simons, J. S., Dvorak, R. D., Batién, B. D., & **Wray, T. B.** (2010). Event-level associations between affect, alcohol intoxication, and acute dependence symptoms: Effects of urgency, self-control, and drinking experience. *Addictive Behaviors, 35*(12), 1045-1053. doi: 10.1016/j.addbeh.2010.07.001. PMID: 20685044. PMCID: PMC3298685.
3. Dvorak, R. D., Simons, J. S., & **Wray, T. B.** (2011). Impulsivity moderates the association between depressive rumination and failed quit. *Addiction: Research and Theory, 19*(3), 283-288. doi: 10.3109/16066359.2010.512110.
4. **Wray, T. B.**, Simons, J. S., & Dvorak, R. D. (2011). Alcohol-related infractions among college students: Associations with subsequent drinking as a function of sensitivity to punishment. *Psychology of Addictive Behaviors, 25*(2), 352-357. doi: 10.1037/a0023614. PMID: 21517138. PMCID: PMC3298686.
5. Dvorak, R. D., Simons, J. S., & **Wray, T. B.** (2011). Alcohol use and problem severity: Associations with dual systems of self-control. *Journal of Studies on Alcohol and Drugs, 72*(4), 678-684. PMID: 21683050. PMCID: PMC3125891.
6. Dvorak, R. D., Simons, J. S., & **Wray, T. B.** (2011). Poor control strengthens the association between sensation seeking and disgust reactions. *Journal of Individual Differences, 32*(4), 219-224. doi: 10.1027/1614-0001/a000054.
7. **Wray, T. B.**, Dvorak, R. D., & Martin, S. L. (2012). Demographic and economic predictors of mental health problems and contact with treatment resources among adults in a low-income primary care setting. *Psychology, Health & Medicine, 18*(2), 213-222. doi: 10.1080/13548506.2012.689842. PMID: 22646519.
8. **Wray, T. B.**, Simons, J. S., Dvorak, R. D., & Gaher, R. M. (2012). Trait-based affective processes in alcohol-involved “risk behaviors.” *Addictive Behaviors, 37*(11), 1230-1239. doi: 10.1016/j.addbeh.2012.06.004. PMID: 22770825. PMCID: PMC3401606.
9. **Wray, T. B.**, Dvorak, R. D., Hsia, J. F., Arens, A. M., & Schweinle, W. E. (2013). The role of optimism and pessimism as predictors of alcohol use trajectories in adolescence. *Journal of Child and Adolescent Substance Abuse, 22*(1), 58-68. doi: 10.1080/1067828X.2012.729915.
10. Dvorak, R. D., **Wray, T. B.**, Kuvaas, N. J., & Kilwein, T. M. (2014). Mania and sexual risk: Associations with behavioral self-regulation. *Journal of Affective Disorders, 150*(3), 1076-1081. doi: 10.1016/j.jad.2013.04.023. PMID: 23721925.

Curriculum Vitae

11. Kahler, C.W., **Wray, T.B.**, Pantalone, D., Kruis, R., Mastroleo, N., Monti, P., & Mayer, K.H. (2014). Assessing sexual motives for drinking alcohol among men who have sex with men living with HIV. *Psychology of Addictive Behaviors*, 29(1), 247-253. doi: <http://dx.doi.org/10.1037/adb0000006>. PMID: 25134043. PMCID: PMC4333132.
12. Kahler, C.W., **Wray, T.B.**, Pantalone, D., Kruis, R., Mastroleo, N., Monti, P., & Mayer, K.H. (2014). Daily associations between alcohol use and high-risk sexual behavior among HIV-positive men who have sex with men. *AIDS and Behavior*, 19(3), 422-430. doi:10.1007/s10461-014-0896-7. PMID: 25194967. PMCID: PMC4632855.
13. **Wray, T.B.**, Merrill, J.E., Monti, P.M. (2014). Using ecological momentary assessment (EMA) to assess situation-level predictors of alcohol use and alcohol-related consequences. *Alcohol Research & Health: Current Reviews*, 36(1), 19-27. PMID: 26258997. PMCID: PMC4432855.
14. **Wray, T. B.** Simons, J. S., Maisto, S.A. (2015). Effects of alcohol intoxication and autonomic arousal on delay discounting and risky sex in young adult heterosexual men. *Addictive Behaviors*, 42, 9-13. 10.1016/j.addbeh.2014.10.037. PMID: 25462647. PMCID: PMC4358774.
15. Cassidy, R.N., Tidey, J.W., Kahler, C.W., **Wray, T.B.**, & Colby, S.M. (2015). Increasing the value of an alternative monetary reinforcer reduces cigarette choice in adolescents. *Drug and Alcohol Dependence*, 17(12), 1449-1455. doi: 10.1016/j.drugalcdep.2014.09.122. PMID: 25666814. PMCID: PMC4654760.
16. **Wray, T.B.**, Braciszewski, J.M., Zywiak, W.H., & Stout, R.L. (2015). Examining the reliability of alcohol/drug use and HIV-risk behaviors using Timeline Follow-Back in a Pilot Sample. *Journal of Substance Use*, 21(3), 294-297. doi: 10.3109/14659891.2015.1018974. PMID: 27293379. PMCID: PMC4896399.
17. **Wray, T.B.**, Celio, M.A., Kahler, C.W., Barnett, N.P., Colby, S.M., Mastroleo, N.R., Operario, D., & Monti, P. (2015). Daily co-occurrence of alcohol use and high-risk sexual behavior among heterosexual, heavy drinking emergency department patients. *Drug and Alcohol Dependence*, 152, 109-115. doi:10.1016/j.drugalcdep.2015.04.011. PMID: 25962789. PMCID: PMC4458208.
18. Claborne, K.R., Fernandez, A., **Wray, T.B.**, & Ramsey, S. (2015). Computer-based HIV adherence promotion interventions: A systematic review. *Translational Behavioral Medicine*, 5(3), 294-306. doi: 10.1007/s13142-015-0317-0. PMID: 26327935. PMCID: PMC4537461.
19. **Wray, T.B.**, Grin, B., Dorfman, L., Glynn, T. R., Kahler, C.W., Marshall, B., van den Berg, J. J., Zaller, N., Bryant, K. J., & Operario, D. (2016). Systematic review of interventions to reduce problematic alcohol use in men who have sex with men. *Drug and Alcohol Review*, 35(2), 148-157. doi: 10.1111/dar.12271. PMID: 25866929. PMCID: PMC4604011.
20. Simons, J.S., Maisto, S.A., **Wray, T.B.**, & Emery, N.N. (2016). Acute effects of intoxication and arousal on approach/avoidance biases toward sexual risk stimuli. *Archives of Sexual Behavior*, 45(1), 43-51. doi: 10.1007/s10508-014-0477-x. PMID: 25808719. PMCID: PMC4583824.

Curriculum Vitae

21. Dvorak, R.D., Kuvaas, N.J., Kilwein, T.M., **Wray, T.B.**, Stevenson, B.L. & Sargent, E.M. (2016). Are drinking motives associated with sexual “hookups” among college student drinkers? *Journal of American College Health*, 64(2), 133-138. doi: 10.1080/07448481.2015.1081912. PMID: 26503238.
22. Browne, K., **Wray, T.B.**, Krenek, M., Stappenbeck, C.A., & Simpson, T.L. (2016). Alcohol craving, consumption, craving resistance, and readiness to change assessed daily in a treatment seeking sample. *Journal of Substance Abuse Treatment*. 61, 34-41. doi:10.1016/j.jsat2015.09.005. PMID: 26597623. PMCID: PMC4695236.
23. **Wray, T.B.**, Kahler, C.W., & Monti, P.M. (2016). Using ecological momentary assessment (EMA) to study sexual events among very high-risk men who have sex with men (MSM). *AIDS & Behavior*, 20(10), 2231-2242. doi: 10.1007/s10461-015-1272-y. PMID: 26746212. PMCID: PMC4938794.
24. **Wray, T.B.**, Pantalone, D.W., Kahler, C.W., Monti, P.M., & Mayer, K.H. (2016). The role of discrimination in alcohol-related problems in samples of heavy drinking HIV-negative and positive men who have sex with men (MSM). *Drug and Alcohol Dependence*, 166, 226-234. doi: 10.1016/j.drugalcdep.2016.07.017. PMID: 27481457. PMCID: PMC4983543.
25. Zywiak, W.H., Stout, R.L., Braciszewski, J.M., **Wray, T.B.**, & Longabaugh, R. (2016). Test-retest reliability and descriptive analyses of the Modified Important People and Activities (MIPA) interview. *Heroin Addiction and Related Clinical Problems*, 18(2), 41-48. PMID: 27429606. PMCID: PMC4944820.
26. **Wray, T.B.**, Chan, P.A., Simpanen, E., & Operario, D. (2017). eTEST: Developing a “smart” home HIV testing kit that enables active, real-time follow-up and referral after testing. *JMIR mHealth uHealth*, 8, 5(5):e62. doi:10.2196/mhealth.6491. PMID: 28483744. PMCID: PMC5440737.
27. Kahler, C.W., Lechner, W.J., MacGlashan, J., **Wray, T.B.**, & Littman, M.L. (2017). Initial progress towards development of a voice-based computer delivered motivational intervention for heavy drinking college students: An experimental study. *JMIR Mental Health*, 4(2), e25. doi: 10.2196/mental.7571. PMID: 28659259. PMCID: PMC5508116.
28. **Wray, T. B.**, Chan, P. A., Celio, M. A., Pérez, A. E., Adia, A. C., Simpanen, E. M., ... & Monti, P. M. (2017). HIV testing among men who have sex with men in the northeastern United States. *AIDS and Behavior*, 22(2), p. 531-537. doi: 10.1007/s10461-017-1976-2. PMID: 29119471. PMCID: PMC5820154.
29. Pérez, A. E., **Wray, T. B.**, Celio, M. A., Monti, P. M. (2018). HIV-related thought avoidance, sexual risk, and alcohol use among men who have sex with men. *AIDS Care*, 30(7), 930-935. doi: 10.1080/09540121.2018.1426828. PMID: 29336596. PMCID: PMC5959801.
30. **Wray, T.B.**, Adia, A.C., Pérez, A.E., Simpanen, E.M., Woods, L.A., Celio, M.A., & Monti, P.M. (2018). Timeline: A web application for assessing the timing and details of health behaviors. *The American Journal of Drug and Alcohol Abuse*. doi: 10.1080/00952990.2018.1469138.
31. **Wray, T.B.**, Chan, P.A., Simpanen, E.M., & Operario, D. (2018). A pilot randomized controlled trial of HIV self-testing and real-time post-test counseling/referral on

- screening and preventative care among men who have sex with men. *AIDS Patient Care and STDs*, 32(9), 360-367. doi: 10.1089/apc.2018.0049.
32. **Wray, T.B.**, Kahler, C.W., Simpanen, E.M., & Operario, D. (2018). Game Plan: A web application to help men who have sex with men reduce their HIV risk and alcohol use. *JMIR Formative Research*, 2(2). doi: 10.2196/10125.
 33. **Wray, T.B.**, Celio, M.A., Pérez, A.E., DiGuseppi, G.T., Carr, D.J., Woods, L.A., & Monti, P.M. (2018). Causal effects of alcohol intoxication on sexual risk intentions and condom negotiation skills among high-risk men who have sex with men (MSM). *AIDS & Behavior*. doi: 10.1007/s10461-018-2243-x. PMID: 30088199.
 34. Ogbuagu, O., Marshall, B.D.L, Tiberio, P., Ogunbajo, A., Barakat, L., Montgomery, M. Almonte, A., **Wray, T.B.**, Williams, E.C., Edelman, E.J., & Chan, P.A. (2018). Prevalence and correlates of unhealthy alcohol and drug use among men who have sex with men prescribed HIV pre-exposure prophylaxis in real-world clinical settings. *AIDS & Behavior*. doi: 10.1007/s10461-018-2260-9. PMID: 30145707.
 35. **Wray, T.B.**, Kahler, C.W., Simpanen, E.M., & Operario, D. (2018). User-Centered, interaction design research approaches to inform the development of health risk behavior intervention technologies. *Internet Interventions*. doi: 10.1016/j.invent.2018.10.002.
 36. **Wray, T.B.**, Chan, P.A., Kahler, C.W., Simpanen, E.M., Liu, T., & Mayer, K.H. (2018) Vulnerable periods: Characterizing patterns of sexual risk and substance use during lapses in adherence to HIV pre-exposure prophylaxis among men who have sex with men. *Journal of Acquired Immune Deficiency Syndromes*. Online ahead of print. doi: 10.1097/QAI.0000000000001914.
 37. **Wray, T.B.**, Kahler, C.W., Simpanen, E.M., & Operario, D. (2018) A preliminary randomized controlled trial of Game Plan, a web application to help men who have sex with men reduce their HIV risk and alcohol use. *AIDS & Behavior*. Accepted for publication.

MANUSCRIPTS IN REVIEW

1. **Wray, T.B.**, Chan, P.A., Simpanen, E.M., & Operario, D. Longitudinal effects of home-based self-HIV testing on emotional well-being and health behaviors among men who have sex with men in the United States.
2. **Wray, T.B.**, Luo, X., Ke, J., Perez, A.E., Carr, D.J., & Monti, P.M. Using machine learning to identify situational and contextual risk factors for unsafe sex in smartphone survey data collected from gay and bisexual men.
3. **Wray, T.B.**, Perez, A.E., Celio, M.A., Carr, D.J., & Monti, P.M. Using smartphone geofencing to study characteristics of public and private alcohol drinking locations in high-risk gay and bisexual men.
4. Celio, M.A., Carr, D.J., Manning, D., Operario, D., **Wray, T.B.**, & Monti, P.M. Exploring smartphone dating app use among men who have sex with men to advance research on app-facilitated sex.

BOOKS AND BOOK CHAPTERS

1. Simons, J. S., Gaher, R. G., **Wray, T. B.**, & Reed, R. (2012). College student drug use: Prevalence and consequences. In Correia, C., Murphy, J., & Barnett, N. (Eds.), *College*

Curriculum Vitae

Student Alcohol Abuse: A Guide to Assessment, Intervention, and Prevention. Hoboken, NJ: Wiley. ISBN: 978-1-1180-3819-2

INVITED PRESENTATIONS

National

1. **Wray, T.B.**, Simons, J.S., & Maisto, S.A., Effects of alcohol consumption on heart rate, subjective drug effects, and sexual behavior, Research Society on Alcoholism annual meeting, Orlando, FL, June 2013.
2. **Wray, T.B.**, Monti, P.M., & Kahler, C.W., Drinking & HIV risk in MSM in the lab and the “real” world. Consortium for HIV/AIDS and Alcohol-Related Outcomes Research Trials (CHAART) annual meeting, Washington, D.C., May, 2014.
3. **Wray, T.B.**, HIV’s “forgotten drug:” Alcohol use and HIV transmission risk among MSM. Center for AIDS Intervention Research, Milwaukee, WI, January, 2015.
4. **Wray, T.B.**, Daily co-occurrence of alcohol use level and sex risk across samples of HIV-positive MSM and heterosexuals, American Psychological Association annual convention, Toronto, ON, Canada, August 2015.
5. **Wray, T.B.**, eTEST: A system for real-time monitoring of HIV self-tests. Boston University Alcohol Research Center on HIV, Boston, MA, April, 2016.
6. **Wray, T.B.**, Using technology to improve HIV prevention and treatment, Center for Alcohol and Addictions Studies Rounds, Brown University School of Public Health, Providence, RI, May, 2016.
7. **Wray, T.B.**, Monti, P.M., & Kahler, C.W., Comparing drinking and sexual behavior reports across intensive longitudinal and recall-based methods in high-risk men who have sex with men, Research Society on Alcoholism annual meeting, New Orleans, LA, June, 2016.
8. **Wray, T.B.**, Kahler, C.W., & Operario, D., User-centered design strategies for building usable and engaging behavioral health technologies, Research Society on Alcoholism annual meeting, Denver, CO, June, 2017.
9. **Wray, T.B.**, Alcohol use and PrEP adherence, Brown University Alcohol Research Center on HIV annual meeting, Providence, RI, July, 2017.
10. **Wray, T.B.**, Using technology to improve HIV prevention, diagnosis, & care, Center for HIV Educational Studies & Training, City University of New York, New York, NY, August, 2017.
11. **Wray, T.B.**, User-centered design strategies for building usable and engaging behavioral health technologies. Southern HIV & Alcohol Research Consortium, University of Florida, March, 2018.
12. **Wray, T.B.**, Using technology to improve HIV prevention, diagnosis, and care. Psychology Department, City University of New York, New York, NY, March, 2018.

OTHER PRESENTATIONS

Curriculum Vitae

National

1. Dvorak, R. D., Simons, J. S., & **Wray, T. B.**, Sensation seeking moderates the effects of poor control on risk behavior by attenuating the strength of emotional reactions to risk, annual convention of the Association for Psychological Science, Boston, MA, May, 2010.
2. Dvorak, R. D., Simons, J. S., Batién, B. D., & **Wray, T. B.**, Moderation of event-level associations between affect, intoxication, and acute dependence symptoms by urgency, self-control, and drinking experience, Research Society on Alcoholism, San Antonio, TX, July, 2010.
3. **Wray, T. B.**, Simons, J. S., & Maisto, S. A., Sexual risk-taking among young adult dual alcohol and marijuana users, American Psychological Association annual convention, San Diego, CA, August, 2010.
4. Dvorak, R. D., Simons, J. S., & **Wray, T. B.**, Impulsivity moderates the association between depressive rumination and smoking relapses, American Psychological Association annual convention, San Diego, CA, August, 2010.
5. **Wray, T. B.**, Simons, J. S., & Dvorak, R. D., Sensitivity to punishment and reward and alcohol-related infractions among college students, Association of Behavioral and Cognitive Therapies conference, San Francisco, CA, November, 2010.
6. **Wray, T. B.**, Simons, J. S., Dvorak, R. D., & Gaher, R. M., A model of trait-based affective processes in alcohol-involved risk behavior among college students. Poster presented the annual meeting of the Research Society on Alcoholism, San Francisco, CA, June, 2012.
7. **Wray, T. B.**, Simons, J. S., Hunsaker, R., Reed, R., & Gaher, R. M., How much did you drink? Comparison of three self-report measures with transdermal alcohol assessment, American Psychological Association annual convention, Orlando, FL, August, 2012.
8. **Wray, T.B.**, Simons, J.S., & Maisto, S.A., Delay discounting and risky sexual intentions: A test of the direct and indirect effects of alcohol intoxication and physiological arousal, Research Society on Alcoholism annual meeting, Orlando, FL, June, 2013.
9. **Wray, T.B.**, Monti, P.M., & Kahler, C.W., Measuring sex risk outcomes in the lab among men who have sex with men: Pitfalls and potential. Consortium for HIV/AIDS and Alcohol-Related Outcomes Research Trials (CHAART), Washington, D.C., May, 2014.
10. **Wray, T.B.**, Kahler, C.W., Pantalone, D., Kruis, R., Mastroleo, N., Monti, P., & Mayer, K.H., Assessing sexual motives for drinking alcohol among men who have sex with men living with HIV, Research Society on Alcoholism annual meeting, Bellevue, WA, June, 2014.
11. **Wray, T.B.**, Braciszewski, J., Zywiak, W., & Stout, R., Examining inter-rater reliability of HIV-risk and drug use behaviors using Timeline Follow-Back at longitudinal intervals, Research Society on Alcoholism annual meeting, Bellevue, WA, June, 2014.

Curriculum Vitae

12. Kahler, C.W., Pantalone, D.W., Mastroleo, N.R., Krus, R., **Wray, T.B.**, Mayer, K.H., Monti, P.M., Adapting motivational interviewing to address heavy drinking within the context of HIV clinical care among men who have sex with men, Research Society on Alcoholism annual meeting, Bellevue, WA, June, 2014.
13. DiGuiseppe, G., **Wray, T.B.**, Celio, M., Kahler, C.W., & Monti, P.M., Do sexual motives for drinking moderate the daily co-occurrence between binge drinking and sexual risk behavior in MSM? Research Society on Alcoholism annual meeting, New Orleans, LA, June, 2016.
14. **Wray, T.B.**, Monti, P.M., & Kahler, C.W., Comparing drinking and sexual behavior reports across intensive longitudinal and recall-based methods in high-risk men who have sex with men (MSM), Research Society on Alcoholism, June, 2016.
15. Pantalone, D.W., **Wray, T.B.**, Afroz, A., Mayer, K.H., Monti, P.M., & Kahler, C.W., Cognitive factors mediate the associations between perceived discrimination and health behaviors in heavy drinking HIV-infected MSM, International AIDS Society Meeting, Durban, South Africa, July, 2016.
16. **Wray, T.B.**, Chan, P.A., Simpanen, E., & Operario, D., eTEST: A ‘smart’ home HIV testing system enabling real-time follow-up after testing, Conference on Retroviruses and Opportunistic Infections, Seattle, WA. February, 2017.
17. Simpanen, E.M., **Wray, T.B.**, Celio, M.A., Batson, A., & Monti, P.M., Alcohol use norms among heavy drinking men who have sex with men (MSM), Research Society on Alcoholism, Denver, CO, June, 2017.
18. Simpanen, E.M., Carr, D.J., Celio, M.A., **Wray, T.B.**, Monti, P.M., Longitudinal associations between discrimination based on sexual orientation and alcohol/drug use and problems among men who have sex with men (MSM), Research Society on Alcoholism, June, 2018

GRANTS

Current Grants

1. **Wray, T.B.** (PI: Wray, Chan). National Institute of Mental Health: “Mobile health platform for providing real-time follow-up after home-based self-testing for high-risk men who have sex with men” (R01MH114891), 12/1/2017 – 11/30/2022, \$3,476,755.
2. **Wray, T.B.** (PI: Wray, Kahler, Operario). National Institute on Alcohol Abuse and Alcoholism. “Web-facilitated intervention for heavy drinking and HIV risk” (R34AA023478), 8/1/2015 – 12/31/2018, \$700,782.
3. **Wray, T.B.** (PI: Cu-Uvin), Co-Investigator, Substance Use Research Core. National Institute on Allergy and Infectious Disease. “Providence/Boston Center for AIDS Research.” (P30AI042853), 7/1/2018-6/30/2023, \$1,895,573.
4. **Wray, T.B.** (PI: Wray). Brown University Alcohol Research Center on HIV and the Providence/Boston Center for AIDS Research. “Alcohol use and adherence to daily

Curriculum Vitae

oral HIV pre-exposure prophylaxis in men who have sex with men (MSM),”
1/1/2017-12/31/2018, \$40,000.

Grants Under Review

1. **Wray, T.B.** (PI: Wray, Luo). National Institute of Mental Health. “Just-in-time, adaptive mHealth interventions to increase PrEP uptake and condom use among men who have sex with men” (R01MH119010), 32 (12th percentile).
2. **Wray, T.B.** (PI: Wray, Chan). National Institute on Alcohol Abuse and Alcoholism. “Applying user-centered design strategies to develop a tablet-optimized intervention to help high-risk men starting PrEP reduce their heavy drinking and adhere to their medication” (R34AA027195), 32 (no percentile).
3. **Wray, T.B.** (PI: Wray, Chan, Prosperi). National Institute on Allergy and Infectious Disease, “A big data approach to predicting lapses in HIV care and viral non-suppression using electronic health records and machine learning methods” (R21MH115778).

Completed Grants

1. **Wray, T.B.** (PI: Wray). National Institute of Mental Health, “Exploring use of a real-time remote monitoring and follow-up system for home-based, HIV self-testing among high-risk men who have sex with men” (R21MH109374), 10/1/2015-8/31/2018, \$458,008.
2. **Wray, T.B.** (PI: Monti), Co-Investigator, National Institute on Alcohol Abuse and Alcoholism, “Mechanisms of acute alcohol effects on high risk behaviors in HIV-vulnerable men” (P01AA019072, Research Component 3), 9/1/2015-9/1/2018, \$331,939.
3. **Wray, T.B.** (PI: Wray), National Institute on Alcohol Abuse and Alcoholism, “Using ecological momentary assessment (EMA) to understand alcohol use and HIV-risk in the real world in high-risk men” (P01AA019072, Minority Supplement), 10/1/2016-9/30/2018, \$99,484
4. **Wray, T.B.** (PI: Monti), Postdoctoral fellow, National Institute on Alcohol Abuse and Alcoholism, “Alcohol intervention/treatment outcome research training” (T32AA007459), 9/1/2013-9/1/2015.
5. **Wray, T.B.** (PI: Wray), Brown University Center for Alcohol and Addictions Studies, “Mechanisms of acute alcohol effects on sex risk among men who have sex with men,” 9/1/2013-5/1/2014, \$20,000.
6. **Wray, T.B.** (PI: Wray), National Institute on Alcohol Abuse and Alcoholism, “Effects of alcohol intoxication and arousal on discounting and risk behavior” (F31AA020151), 8/1/2011-11/1/2013.

Curriculum Vitae

UNIVERSITY TEACHING AND MENTORING ROLES

2010	Co-Instructor	Special topics in statistics: Structural equation modeling (PAST792), University of South Dakota
2011	Co-Instructor	Adult psychopathology (PSYC750), University of South Dakota
2011	Instructor	Special topics in statistics: Alternatives to significance testing (PAST792), University of South Dakota
2014	Guest Lecture	HIV prevention, Brown University School of Public Health
2015	Instructor	Independent study (PHP 2980), Graham DiGuiseppe, Brown University School of Public Health
2015	Research advisor	Summer research internship, Department of Behavioral and Social Sciences, Brown University School of Public Health, Naser Alshehri (Northeastern University)
2015 – 2016	Thesis advisor	Master's thesis, Graham DiGuiseppe, Department of Behavioral and Social Sciences, Brown University School of Public Health
2016	Guest Lecture	Digital health, Psychosocial and pharmacologic treatment of substance use disorders (PHP2371), Brown University School of Public Health
2017	Instructor	Independent study (PHP 2980), Ashley Batson, Brown University School of Public Health
2017 – 2018	Thesis advisor	Undergraduate thesis, Alexander Adia, Department of Behavioral and Social Sciences, Brown University School of Public Health
2018	Instructor	Independent (PHP 2980), Laura-Allison Woods, Brown University School of Public Health
2018	Guest Lecture	Proseminar on behavioral intervention research (PHP2361), Digital health, Brown University School of Public Health
2018	Guest Lecture	Digital health, Psychosocial and pharmacologic treatment of substance use disorders (PHP2371), Brown University School of Public Health
2018	Thesis advisor	MPH thesis, Erik Simpanen, Department of Behavioral and Social Sciences, Brown University School of Public Health

Curriculum Vitae