

CURRICULUM VITAE
TYLER B. WRAY, PH.D.

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EDUCATION

- 2006 Bachelor of Science, 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

- 2019 – Present **Edens Family Assistant Professor of Healthcare Communications & Technology (tenure track)**, Department of Behavioral and Social Sciences, Brown University School of Public Health
- 2015 – 2019 **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

DEPARTMENT, CENTER, AFFILIATED HOSPITAL, OR UNIVERSITY SERVICE

- 2020 – Present Executive Leadership Committee, Alcohol Research Center on HIV, Brown University School of Public Health
- 2020 – Present Master of Public Health Admissions Committee, Brown University School of Public Health
- 2020 – Present Leadership Committee, Brown-Lifespan Center for Digital Health

Curriculum Vitae

2019 – Present	Postdoctoral Training Committee (NIAAA/NIDA T32s), Center for Alcohol and Addictions Studies, Brown University School of Public Health
2019 – Present	Innovations in Behavioral and Social Sciences (iBSHS) committee, Department of Behavioral and Social Sciences, Brown University School of Public Health
2018 – Present	Scientist Member-at-Large, 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

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), AIDS and Related Research Special Emphasis Panel, ZMH1 ERK-X (C1) S; Review panel for LA20 and LA30 Loan Repayment Program Applications, Reviewer
2018	National Institute on Mental Health (NIMH), Review panel for LA20 and LA30 Loan Repayment Program Applications, ZMH1 ERB-C (C1) S, Reviewer
2019	National Institute on Mental Health, Loan Repayment Program Applications, ZMH1 ERB-G (C1) S, Reviewer
2020	National Institute on Mental Health, Loan Repayment Program Applications, ZMH1 ERB-G (C1) S, Reviewer
2020	AIDS and Related Research Special Emphasis Panel, ZRG1 AARR-N(02), Reviewer
2021	National Institute on Mental Health, Loan Repayment Program Applications, ZMH1 ERB-G (C1) S, Reviewer
2021	National Institute on Drug Abuse (NIDA), Big Data, HIV, & Substance Use Disorder Special Emphasis Panel, ZDA1 IXR-Q (02), Reviewer
2021 - Present	Center for Scientific Review, Small Business: Psychopathology, Addictions, Alternative Medicine, and Community-Based Interventions, RPHB-16, Reviewer

Journal Manuscripts

2021-Present	Editorial Board Member, Journal of Studies on Alcohol and Drugs
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Ad-hoc reviewer (selected roles): *Addiction*, *Addictive Behaviors*, *Alcohol and Alcoholism*, *Alcoholism: Clinical & Experimental Research*, *AIDS and Behavior*, *AIDS Care*, *AIDS*

Curriculum Vitae

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 Acquired Immune Deficiency Syndromes (JAIDS), Journal of Health Psychology, Journal of Healthcare for the Poor and Underserved, Journal of the International AIDS Society, Journal of Medical Internet Research (JMIR), JMIR – Mental Health, JMIR – mHealth, uHealth, JMIR Research Protocols, Journal of Studies on Alcohol and Drugs, PLOS One, Psychology of Addictive Behaviors, Psychological Assessment, Psychotherapy, Sexually Transmitted Diseases

HONORS AND AWARDS

2019	Curriculum Development Award, “Technology & Health Behavior Change.”
2016	Google Internet of Things (IoT) Research Award
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

MEMBERSHIP IN SOCIETIES

2020-Present	Digital Medicine Society
2018-Present	Society of Behavioral Medicine, Behavioral Informatics and Technology Special Interest Group
2008-Present	Research Society on Alcoholism

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., Batien, 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.
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. Claborn, 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.
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.**, Krennek, 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.jsat.2015.09.005. 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*. Online ahead of print. doi: 10.1007/s10461-019-02396-w.
38. **Wray, T.B.**, Perez, A.E., Celio, M.A., Carr, D.J., & Monti, P.M. (2019). Using smartphone geofencing to study characteristics of public and private alcohol drinking locations in high-risk gay and bisexual men. *Alcoholism: Clinical and Experimental Research*, 43(5), 900-906. doi: <https://doi.org/10.1111/acer.13991>.
39. **Wray, T.B.**, Luo, X., Ke, J., Perez, A.E., Carr, D.J., & Monti, P.M. (2019). Using machine learning to identify situational and contextual risk factors for unsafe sex in smartphone survey data collected from gay and bisexual men. *Prevention Science*, online first. doi: 10.1007/s11121-019-01019-z.
40. **Wray, T.B.**, Chan, P.A., Simpanen, E.M., & Operario, D. (2019). Longitudinal effects of home-based self-HIV testing on emotional well-being and health empowerment among men who have sex with men (MSM) in the United States. *AIDS Care*, online first. doi: 10.1080/09540121.2019.1622636.
41. **Wray, T.B.**, & Monti, P.M. (2019). Characteristics of sex events, partners, and motivations and their associations with HIV-risk behavior in a daily diary study of high-risk men who have sex with men (MSM). *AIDS & Behavior*, online ahead of print. doi: 10.1007/s10461-019-02760-w.
42. Merrill, J.E., Fan, P., **Wray, T.B.**, & Miranda, R., Jr. (2020). Assessment of alcohol use and consequences: Comparison of data collected via timeline follow-back interview and daily reports. *Journal of Studies on Alcohol & Drugs*.
43. **Wray, T.B.**, Monti, P.M., Kahler, C.W., & Guigayoma, J.P. (2020). Using ecological momentary assessment (EMA) to explore mechanisms of alcohol-involved HIV-risk behavior among men who have sex with men (MSM). *Addiction*, online ahead of print. doi: 10.1111/add.15053.
44. **Wray, T.B.**, Monti, P.M., Celio, M.A., & Perez, A.E. (2021). Cognitive-emotional mechanisms of alcohol intoxication-involved HIV-risk behavior among men who have sex with men (MSM). *Experimental and Clinical Psychopharmacology*, advance online publication. doi: <http://dx.doi.org/10.1037/pha0000377>.
45. Carr, D.J., Adia, A.C., **Wray, T.B.**, Celio, M.A., Perez, A.E., & Monti, P.M. (2020). Using the internet to access key populations in ecological momentary assessment research: Comparing adherence, reactivity, and erratic responding across those enrolled remotely versus in-person. *Psychological Assessment*, advance online publication. doi: <https://doi.org/10.1037/pas0000847>.
46. **Wray, T.B.**, Chan, P.A., Klausner, J.D., Mena, L.A., Brock, J.B., Simpanen, E.M., Ward, L.M., & Chrysovalantis, S. (2020). eTest: A limited-interaction, longitudinal randomized controlled trial of a mobile health platform that enables real-time phone counseling after HIV self-testing among high-risk men who have sex with men. *Trials*, advance online publication.

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47. **Wray, T.B.**, Chan, P., & Kahler, C.W. (2021). Game Plan, a web-based intervention to improve adherence and persistence to HIV pre-exposure prophylaxis and reduce heavy drinking in gay, bisexual, and other men who have sex with men: Usability and user experience testing. *JMIR Formative Research*. 5(11): e31843. doi: 10.2196/31843.

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

MANUSCRIPTS SUBMITTED & UNDER REVIEW

1. **Wray, T.B.**, Emery, N.N. (in review). Feasibility, appropriateness, and willingness to use virtual reality (VR) as an adjunct to counseling among addictions counselors.
2. **Wray, T.B.** (in review). Do addictions counselors recommend digital health products to their clients? A survey of counselors to inform dissemination and marketing strategies for addiction-focused mHealth products.
3. **Wray, T.B.**, Chan, P.A., Guigayoma, J.P., & Kahler, C.W. (in review). Game Plan for PrEP: A brief, web-based intervention to improve uptake and use of HIV pre-exposure prophylaxis (PrEP) and reduce alcohol use among gay and bisexual men.
4. **Wray, T.B.**, Guigayoma, J.P., & Emery, N.N. (in review). Emotional reactions to high-risk sex among gay, bisexual, and other men who have sex with men: Exploring potential opportunities for just-in-time intervention.

OTHER MEDIA APPERANCES/PUBLICATIONS

1. Scientists have a new weapon against HIV: Your smartphone (2018). Opinion piece written for the *Boston Globe, Ideas Page*. Published on October 13, 2018. URL: <https://www.bostonglobe.com/ideas/2018/10/13/scientists-have-new-weapon-against-hiv-your-phone/tVvYaKtJQ6Cc7IyPzvVIIJ/story.html>
2. Just-in-time interventions (2020). Podcast interview with *The Addictions Psychologist*. Published on July 12, 2020. URL: https://open.spotify.com/episode/6ZtHSyivBJcA3aTIXp58ih?si=FIW8ewtSSyeY1atFPujraQ&dl_branch=1
3. Trying to get a COVID-19 vaccine? These new tools may help (2021). Interview with Brian Mastrioliani, staff writer for Healthline. Published on April 15, 2021. URL: <https://www.healthline.com/health-news/trying-to-get-a-covid-19-vaccine-these-new-tools-may-help>

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.

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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.
13. **Wray, T.B.**, Vulnerable Periods: Alcohol/Drug use and adherence to HIV PrEP. Conference on Alcohol and PrEP, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD, September 2019.
14. **Wray, T.B.**, Discussant: Alcohol and the future of PrEP: Long-acting injectables. Conference on Alcohol and PrEP, National Institute on Alcohol Abuse and Alcoholism, Bethesda, MD, September 2019.
15. **Wray, T.B.**, Designing tech to fight HIV. Monthly seminar for the Brown-Lifespan Center for Digital Health, Providence, RI, May 2020.

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16. **Wray, T.B.**, Online outreach methods for engaging high-priority HIV populations, University of Mississippi Medical School, Department of Population Sciences, Jackson, MS, April, 2021
17. **Wray, T.B. (Panel moderator)**, How to define and measure outcomes on digital health for mental health, substance use, and violence. Brown-Lifespan Center for Digital Health annual conference, June, 2021
18. **Wray, T.B.** Virtual reality in addictions treatment. Brown University School of Public Health, Center for Alcohol and Addictions Studies Rounds, September, 2021
19. **Wray, T.B.** Alcohol and PrEP care. Center for AIDS Research Inter-CFAR Substance Use Research Community (I-SURC), October, 2021

OTHER PRESENTATIONS

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., Batien, 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.

Curriculum Vitae

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.
12. Kahler, C.W., Pantalone, D.W., Mastroleo, N.R., Kruis, 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. DiGuisseppe, 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, San Diego, CA, June, 2018
19. **Wray, T.B.** & Monti, P.M., Using smartphone data to identify targets of just-in-time interventions for heavy drinking among gay and bisexual men at high risk for HIV. Research Society on Alcoholism, Minneapolis, MN, June, 2019.

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20. Rogers, B., **Wray, T.B.**, Strong, S. et al., Trajectories of HIV risk behaviors and substance use after initiating pre-exposure prophylaxis in a clinical setting. Society of Behavioral Medicine annual meeting, San Francisco, CA, April 2020.

GRANTS

Current Grants

1. **R01MH114891, 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.” **Contact Principal Investigator** (MPIs: Wray, Chan), 12/1/2017 – 11/30/2022, \$3,476,755.
2. **P01AA019072, Research Component 1, National Institute on Alcohol Abuse and Alcoholism.** “Brief, web-based intervention to reduce heavy drinking and encourage prevention among high-risk men completing HIV/STI self-testing.” **Contact Principal Investigator** (MPIs: Wray, Monti), 9/1/2020-8/31/2025, \$1,914,409.
3. **P01AA019072, National Institute on Alcohol Abuse and Alcoholism.** “Addressing alcohol misuse in HIV prevention and care: The Brown University Alcohol Research Center on HIV (ARCH) - Research methods core.” **Co- Principal Investigator** (MPIs: Wray, Liu), 9/1/2020-8/31/2025, \$1,365,438.
4. **R34AA027195, 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 medication.” **Contact Principal Investigator** (MPIs: Wray, Chan), 9/1/2019-8/31/2022, \$696,597.
5. **P30AI042853, National Institute on Allergy and Infectious Disease.** “Providence/Boston Center for AIDS Research, Substance Use Core.” **Co-Investigator** (PI: Cu-Uvin), 7/1/2018-6/30/2023, \$1,895,573.
6. **R01AA027968, National Institute on Alcohol Abuse and Alcoholism.** “Understanding adolescent in-vivo exposure to alcohol content in the media.” **Co-Investigator** (PI: Jackson), 9/10/20-6/30/2024, \$627,783.
7. **Rohsenow Pilot Award, Center for Alcohol & Addictions Studies, Brown University School of Public Health.** “Using smartphone geofencing to trigger just-in-time interventions to help young adults moderate their drinking.” **Principal Investigator**, 01/01/2020-01/01/2021 (delayed), \$14,000.

Completed Grants

1. **Brown University School of Public Health – Strategic Plan Pilot Grant Program.** “Using virtual reality to develop cognitive discrepancy in motivational interviews with young adult, at-risk drinkers.” **Principal Investigator**, 9/1/2019-8/31/2020, \$20,000.

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2. **R34AA023478, National Institute on Alcohol Abuse and Alcoholism.** “Web-facilitated intervention for heavy drinking and HIV risk.” **Contact Principal Investigator** (MPIs: Wray, Kahler, Operario), 8/1/2015–12/31/2018, \$700,782.
3. **Brown University Alcohol Research Center on HIV and the Providence/Boston Center for AIDS Research – Pilot Grant Program.** “Alcohol use and adherence to daily oral HIV pre-exposure prophylaxis in men who have sex with men (MSM).” **Principal Investigator**, 1/1/2017-12/31/2018, \$40,000.
4. **R21MH109374, 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.” **Principal Investigator**, 10/1/2015-8/31/2018, \$458,008.
5. **P01AA019072, Research Component 3, National Institute on Alcohol Abuse and Alcoholism.** “Mechanisms of acute alcohol effects on high risk behaviors in HIV-vulnerable men.” **Co-Investigator** (PI: Monti), 9/1/2015-9/1/2018, \$331,939.
6. **P01AA019072, Minority Supplement, 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.” **Principal Investigator**, 10/1/2016-9/30/2018, \$99,484
7. **T32AA007459, National Institute on Alcohol Abuse and Alcoholism,** “Alcohol intervention/treatment outcome research training.” **Postdoctoral Fellow**, 9/1/2013-9/1/2015.
8. **Brown University Center for Alcohol and Addictions Studies – Research Excellence Award,** “Mechanisms of acute alcohol effects on sex risk among men who have sex with men.” **Principal Investigator**, 9/1/2013-5/1/2014, \$20,000.
9. **F31AA020151, National Institute on Alcohol Abuse and Alcoholism,** “Effects of alcohol intoxication and arousal on discounting and risk behavior.” **Principal Investigator**, 8/1/2011-11/1/2013.

External Grants Serving as Mentor

1. **K01AA029047, National Institute on Alcohol Abuse and Alcoholism.** “The impact of alcohol on PrEP adherence in HIV vulnerable men.” Principal Investigator: Drew Westmoreland, Ph.D., City University of New York. **Co-Mentor**. 10/1/2020 – 9/30/2025.
2. **K23AA028269, National Institute on Alcohol Abuse and Alcoholism.** “Mobile health intervention to increase substance-free activities during alcohol treatment.” Principal Investigator: Lidia Meshesha, Ph.D., University of Central Florida. **Co-Mentor**. 9/20/2020 – 8/31/2025.

Curriculum Vitae

3. **K08DA048137, National Institute on Drug Abuse.** “Dual use of ENDS and Combustible Cigarettes: Shared, Distinct, and Cross-Conditioned Processes.”
Principal Investigator: Andrew Sokolovsky, Ph.D., Brown University. **Co-Mentor.**
4/15/2020 - 3/31/2025.

UNIVERSITY TEACHING AND MENTORING ROLES

2010	Co-Instructor	Special topics in statistics: Structural equation Modeling (PAST792), University of South Dakota
2014	Guest Lecture	Social and behavioral approaches to HIV prevention (PHP 2330), Brown University School of Public Health
2015	Instructor	Independent study (PHP 2980), Graham DiGuisseppe, 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)
2016	Thesis chair	Master’s thesis, Graham DiGuisseppe, 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
2018	Thesis chair	Undergraduate thesis, Alexander Adia, Department of Behavioral and Social Sciences, Brown University School of Public Health
2018	Instructor	Independent study (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

Curriculum Vitae

2018	Thesis chair	MPH thesis, Erik Simpanen, Department of Behavioral and Social Sciences, Brown University School of Public Health
2019	PhD mentor	John Guigayoma, Department of Behavioral and Social Sciences, Brown University School of Public Health
2020	Instructor of record	Independent study (PHP 2980), Yeelen Edwards, Brown University School of Public Health
2020	Instructor of record	Technology & Health Behavior Change (PHP1690), Brown University School of Public Health
2020	Instructor of record	Designing and Evaluating Public Health Interventions (PHP2355), Brown University School of Public Health
2020	Instructor of record	Core academic advisor for 6 students in the Masters of Public Health program, Brown University School of Public Health
2020	Thesis chair	Jack Hester, MPH student, Brown University School of Public Health
2020	Thesis chair	Langa Bakhuluma-Neube, MPH student, Brown University School of Public Health
2020	Thesis reader	Olivia McKnight, MPH student, Brown University School of Public Health
2020	UG thesis reader	Chiaka Abe, Honors Biology student, Brown University
2021	Instructor of record	Core academic advisor for 6 students in the Masters of Public Health program, Brown University School of Public Health
2021	Instructor of record	Designing and Evaluating Public Health Interventions (PHP2355), Brown University School of Public Health
2021	Guest Lecture	Public health senior seminar (PHP1910), Brown University School of Public Health
2021	Instructor of record	Technology & health behavior change (PHP1690), Brown University School of Public Health

Curriculum Vitae

2021	Lead curriculum designer	Digital health professional certificate, Brown University School of Professional Studies
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