

CURRICULUM VITAE
TYLER B. WRAY, PH.D.

Associate Professor
 Department of Behavioral and Social Sciences
 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

ACADEMIC APPOINTMENTS

| | |
|----------------|---|
| 2023 – Present | Associate Professor (with tenure) , Department of Behavioral and Social Sciences, Brown University School of Public Health |
| 2019 – 2023 | 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 |

EDUCATION

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

OTHER APPOINTMENTS

| | |
|--------------|---|
| 2025-Present | Founder & President, Real Recovery VR, Inc. |
| 2022-2024 | Consulting scientist, IAmSober, LLC |
| 2014-2016 | Consulting scientist, eResearch Technologies (now Clario) |
| 2013-2015 | Consultant, Decision Sciences Institute, Pacific Institute on Research and Evaluation |

NATIONAL OR INTERNATIONAL SERVICE

Curriculum Vitae

Grant Application Review Boards

| | |
|----------------|--|
| 2021 - Present | Reviewer, Center for Scientific Review, Small Business: Psychopathology, Addictions, Alternative Medicine, and Community-Based Interventions, RPHB-16 |
| 2025 | Reviewer, National Institute on Drug Abuse, Small Business: Products to Address Social Needs Impacting Substance Use Disorders, RFA-DA-25-048 |
| 2024 | Reviewer, National Institute on Alcohol Abuse and Alcoholism, Comprehensive Alcohol-HIV/AIDS Research Center (P60), RFA-AA-23-004 |
| 2024 | Reviewer, National Institute on Drug Abuse, Accelerating the Pace of Drug Abuse Research Using Existing Data, RFA-DA-22-037/24-037 |
| 2022 | Chair , National Institute on Allergy and Infectious Diseases, RFA-AI-22-024, Limited Interaction Targeted Epidemiology: Viral Suppression (LITE-VS), ZAI1 PP-A (J2) 1 |
| 2022 | Chair , National Institute on Drug Abuse (NIDA), RFA-DA-23-052, Coordinating Center for the HIV/AIDS and Substance Use Cohorts Program, ZDA1 BSW-A (J2) |
| 2022 | Reviewer, National Institute of Allergy and Infectious Diseases (NIAID), PAR-21-070, ZAI1 DNV-A (S1) – Detection of HIV for Self-Testing |
| 2022 | Reviewer, National Institute on Alcohol Abuse and Alcoholism (NIAAA), RFA-AA21-016 & RFA-AA21-017 – HIV Prevention and Alcohol |
| 2021 | Reviewer, Digital phenotyping special emphasis panel, Deutsche Forschungsgemeinschaft (German Research Foundation) |
| 2021 | Reviewer, National Institute on Mental Health, Loan Repayment Program Applications, ZMH1 ERB-G (C1) S |
| 2021 | Reviewer, National Institute on Drug Abuse (NIDA), Big Data, HIV, & Substance Use Disorder Special Emphasis Panel, ZDA1 IXR-Q (02) |
| 2021 | Reviewer, National Institute of Allergy and Infectious Diseases (NIAID), Respond: Epidemiology to End the HIV Epidemic (RESPOND: EEE, RFA-AI21-023 |
| 2020 | Reviewer, National Institute on Mental Health, Loan Repayment Program Applications, ZMH1 ERB-G (C1) S |
| 2020 | Reviewer, AIDS and Related Research Special Emphasis Panel, ZRG1 AARR-N(02) |
| 2019 | Reviewer, National Institute on Mental Health, Loan Repayment Program Applications, ZMH1 ERB-G (C1) S |
| 2018 | Reviewer, National Institute on Mental Health (NIMH), Review panel for LA20 and LA30 Loan Repayment Program Applications, ZMH1 ERB-C (C1) S |
| 2017 | Reviewer, 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) |
| 2017 | Reviewer, 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 |

Journal Manuscripts

2025-Present Editorial Board, *PLoS Digital Health*
2021-Present Editorial Board, *Journal of Studies on Alcohol and Drugs*

Ad-hoc reviewer (selected roles): *Addiction*, *Addictive Behaviors*, *Alcohol and Alcoholism*, *Alcoholism: Clinical & Experimental Research*, *AIDS and Behavior*, *AIDS Care*, *AIDS Patient Care & STDs*, *American Psychologist*, *American Journal of Drug and Alcohol Abuse*, *Archives of Sexual Behavior*, *BMC Public Health*, *Digital Health*, *Drug and Alcohol Dependence*, *Family Practice*, *IEEE Journal of Biomedical and Health Informatics*, *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

2024 Master of Arts ad eundem, Brown University
2019 Curriculum Development Award, “PHP1690: 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”

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

h-index (2025): 28 (Google Scholar & NCBI profiles)

*Indicates publication with a current or former mentee or student.

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.

Curriculum Vitae

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: 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.

Curriculum Vitae

Addictive Behaviors, 42, 9-13. doi: 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. *Journal of Nicotine & Tobacco Research*, 17(12), 1449-1455. doi: 10.1093/ntr/ntv033. 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.
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

Curriculum Vitae

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), 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.
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*, 45(2), 141-150. 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: Development of a web app designed to help men who have sex with men reduce their HIV risk and alcohol use. *JMIR Formative Research*, 2(2), e10125. doi: 10.2196/10125.
33. **Wray, T.B.**, Celio M.A., Pérez, A.E.* , DiGuiseppi, 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*, 23(1), 161-174. doi: 10.1007/s10461-018-2243-x.
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*, 23(1), 190-200. doi: 10.1007/s10461-018-2260-9.

Curriculum Vitae

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*, 15, 1-9. 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*, 80(3), 276-283. 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*, 23(6), 1668-1679. doi: 10.1007/s10461-019-02396-w.
38. **Wray, T.B.**, Perez, A.E.*, Celio, M.A., Carr, D.J.* & Monti, P.M. (2019). Exploring the use of smartphone geofencing to study characteristics of alcohol drinking locations in high-risk gay and bisexual men. *Alcoholism: Clinical and Experimental Research*, 43(5), 900-906. doi: 10.1111/acer.13991.
39. **Wray, T.B.**, Luo, X., Ke, J., Perez, A.E.*, Carr, D.J.* & Monti, P.M. (2019). Using smartphone survey data and machine learning to identify situational and contextual risk factors for unsafe sex in men who have sex with men who are not on PrEP. *Prevention Science*, 20(6), 904-913. 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*, 32(2), 148-154. 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*, 24(6), 1851-1864. 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*, 81(2), 212-219. doi: 10.15288/jasad.2020.81.212.
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*, 115(12), 2293-2302. 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*, 29(2), 178-190. 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

Curriculum Vitae

research: Comparing adherence, reactivity, and erratic responding across those enrolled remotely versus in-person. *Psychological Assessment*, 32(8), 768-779. 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*, 21(1), 1-13. doi: 10.1186/s13063-020-04554-1.
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.
48. **Wray, T.B.**, Chan, P.A., Guigayoma, J.P.*, & Kahler, C.W. (2022). Game Plan—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: Content Analysis. *JMIR Formative Research*, 6(1): e30408. doi: 10.2196/30408.
49. Goldberg, E.M., Rosen, R.K., Dizon, D.S., Langdon, K.J., Davoodi, N.M., Wray, T.B., Nugent, N.R., Dunsinger, S.I., Ranney, M.L. (2022). Using social media for clinical research: Recommendations and examples from the Brown-Lifespan Center for Digital Health. *Journal of Medical Internet Research*, 24(6), e35804. doi: 10.2196/35804.
50. Surace, A.*, Kahler, C. W., & **Wray, T. B.** (2022). The association between sexual orientation discrimination and drinking among men who have sex with men: Results from an ecological momentary assessment study. *Psychology of Sexual Orientation and Gender Diversity*, advance online publication. doi: 10.1037/sgd0000568.
51. **Wray, T.B.**, Chan, P.A., Klausner, J.D., Ward, L.M., Ocean, E.M.S.* (2022). Gay, bisexual, and other men who have sex with men who are not on oral PrEP may be less interested in injectable products than in oral PrEP: Examining individual-level determinants of interest and barriers across products. *AIDS & Behavior*, 26, 3794-3805. doi: 10.1007/s10461-022-03708-3.
52. **Wray, T.B.** (2022). Exploring whether addictions counselors are recommending that their patients use websites, smartphone applications, or other digital health tools to help them in recovery: A brief online survey. *JMIR Formative Research*, 6(6), e37008. online ahead of print. doi: 10.2196/37008.
53. **Wray, T.B.**, Emery, N.N. (2022). Feasibility, appropriateness, and willingness to use virtual reality (VR) as an adjunct to counseling among addictions counselors. *Substance Use & Misuse*, 57(9), 1470-1477. doi: 10.1080/10826084.2022.2092148.
54. **Wray, T.B.**, Guigayoma, J.P.*, & Emery, N.N. (2022). 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. *Journal of Sex Research*, 60(5), 718-727. doi: 10.1080/00224499.2022.2113854.
55. Merrill, J.E., López, G.*, Doucette, H., Pielech, M., Corcoran, E., Egbert, A., **Wray, T.B.**, Gabrielli, J., Colby, S.M., & Jackson, K.M. (2023). Adolescents' perceptions of alcohol

Curriculum Vitae

portrayals in the media and their impact on cognitions and behaviors. *Psychology of Addictive Behaviors*, *advance online publication*. doi: 10.1037/adb0000907.

56. Dora, J., Piccirillo, M., Foster, K.T., ... **Wray, T.B.**, Wright, A.G.C., Wycoff, A.M., & King, K.M. (2023). The daily association between affect and alcohol use: A meta-analysis of individual participant data. *Psychological Bulletin*, *149*(1-2), 1-24. doi: 10.1037/bul0000387.
57. Guigayoma, J.*, Becker, S.J., Ong, J.J., Kanamori, M., Hickson, D., Ward, L.M., Biello, K.B., & **Wray, T.B.** (2023). Addressing key issues in HIV self-test program implementation for Black and Latino sexual minority men in the Southern United States: A multiphase study protocol. *Implementation Science Communications*, *4*(14), *epub ahead of print*. doi: 10.1186/s43058-023-00395-6.
58. **Wray, T.B.**, Kemp, J., & Larsen, M.A. (2023). Virtual reality (VR)-assisted treatments for anxiety disorders are unambiguously successful. Why are so few therapists using it? *Cognitive Behaviour Therapy*, *online ahead of print*.
59. Levy, A.N.*, Nittas, V.* & **Wray, T.B.** (2023). Patient perceptions of in vivo versus virtual reality exposures for the treatment of anxiety disorders: A cross-sectional survey study. *JMIR Formative Research*, *e47443*, doi: 10.2196/47443.
60. **Wray, T.B.**, Chan, P.A., Kahler, C.W., Ocean, E.M.S.* Nittas, V.* (2023). Pilot randomized controlled trial of Game Plan for PrEP: A brief, web and text message intervention to help sexual minority men adhere to PrEP and reduce their alcohol use. *AIDS and Behavior*, *online ahead of print*. doi: 10.1007/s10461-023-04223-9.
61. **Wray, T.B.**, Chan, P.A., Klausner, J.D., Ward, L.M., Liu, A.Y., Ocean, E.M.S.* Phelan, C.* Liu, T. (2023). Using web analytics data to identify platforms and content that best engage high-priority HIV populations in online and social media marketing advertisements. *Digital Health*, *online ahead of print*. doi: 10.1177/20552076231216547.
62. Fahey, O.B.* Carr, D.J.* Ocean, E.M.S.* Nittas, V.* Phelan Kane, C.* Monti, P.M., **Wray, T.B.** (2024). Black social media influencers engage higher percentages of Black gay and bisexual men in online outreach for HIV prevention research relative to paid ads. *Digital Health*, *online ahead of print*. doi: 10.1177/20552076241253758.
63. **Wray, T.B.**, Chan, P.A., Klausner, J.D., Ward, L.M., Ocean, E.M.S*, Carr, D.J.* Guigayoma, J.P.* and Nadkarni, S.* (2024). The effects of regular home delivery of HIV self-testing and follow-up counseling on HIV testing and prevention outcomes in men who have sex with men who test infrequently in the United States: A pragmatic, virtual randomized controlled trial. *Journal of the International AIDS Society*. doi: 10.1002/jia2.26318.
64. Kahler, C.W., Surace, A.* Liu, T., Pantalone, D.W., Mastroleo, N.R., Yan, Y., **Wray, T.B.**, Mayer, K.H., & Monti, P.M. (2024). Efficacy of behavioral intervention, text messaging, and extended intervention to address alcohol misuse in sexual minority men with HIV: A factorial randomized clinical trial. *AIDS & Behavior*, *28*, 3970-3983. doi: 10.1007/s10461-024-04493-x.
65. **Wray, T.B.**, Reitzel, G.* Phelan, C.* Merrill, J.E., Jackson, K.M. (2024). What apps and websites do those with substance use disorder who are currently in treatment use to help them in their recovery? A cross-sectional study of products and use patterns. *Journal of Substance Use and Addiction Treatment*.

Curriculum Vitae

66. Tao, J. Maguire-Wilkerson, A., Rusley, J., **Wray, T.**, Chan, P.A. (2025). Implementing conversational artificial intelligence technology for the prevention of sexually transmitted infections in real-world settings. *AIDS*, 39(3), 324-327. doi: 10.1097/QAD.0000000000004082. PMID: 39878675.
67. **Wray, T.B.**, Chan, P.A., Klausner, J.D., Ward, L.M., Ocean, E.M.S.* (2025). After the program ends: HIV testing behavior among men who have sex with men after the conclusion of a program providing regular home delivery of HIV self-testing kits. *BMC Infectious Diseases*. doi: 10.1186/s12879-025-10784-y.
68. Phelan, C.*, Katz, A.*, Merrill, J., Jackson, K., **Wray, T.** (2025) Social media for recovery support for people with substance use disorder. A cross-sectional study of use patterns and motivations. *Drug and Alcohol Dependence Reports*, 15, e100331. doi: 10.1016/j.dadr.2025.100331.
69. Guigayoma, J.*, Biello, K., Becker, S.J., Ocean, E.*, Ward, L., Chan, P.A., Klausner, J. & **Wray, T.B.** (2025). High HIV testing among Black/Latino men who have sex with men assigned to HIV self-testing in a national randomized controlled trial. *Journal of Acquired Immune Deficiency Syndromes*, 99(5), 435-442. doi: 10.1097/QAI.0000000000003693.
70. Jun, T., Maguire-Wilkerson, A., Rusley, J., **Wray, T.B.**, Chan, P.A. (2025). Implementing conversational artificial intelligence technology for the prevention of HIV and other sexually transmitted infections in real-world settings. *AIDS*, 39(3), 324-327. doi: 10.1097/QAD.0000000000004082.
71. Phelan, C.*, Katz, A.*, Merrill, J.E., Jackson, K.M., & **Wray, T.B.** (2025). Changes to personal social media accounts and use among those with substance use disorder who are currently in treatment: A cross-sectional survey. *Journal of Addiction Medicine*. Doi:10.1097/ADM.0000000000001611.
72. Jackson, K., Gabrielli, J., Colby, S., Wray, T., Janssen, T., Rogers, M., & Delapaix, C. (2025). Real-time exposure to alcohol content in digital media in adolescents: Protocol for a multiburst ecological momentary assessment study. *JMIR Research Protocols*, 14, e50649. doi: 10.2196/50649.
73. Guigayoma, J.*, Li, D.H., Hickson, D., Kanamori, M., & **Wray, T.B.** (in press). Community PrEP stigma and PrEP use among Black and Latino sexual and gender minorities in the Southern United States. *AIDS and Behavior*.

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

OTHER MEDIA APPERANCES/PUBLICATIONS

1. How virtual reality is helping Fort Worth patients practice staying sober (2025). Fort-Worth Star Telegram. Published on October 29, 2025. URL: <https://www.star-telegram.com/news/local/fort-worth/article312663287.html>
2. 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:

Curriculum Vitae

<https://www.healthline.com/health-news/trying-to-get-a-covid-19-vaccine-these-new-tools-may-help>

3. Just-in-time interventions (2020). Podcast interview with *The Addictions Psychologist*. Published on July 12, 2020. URL: https://open.spotify.com/episode/6ZtHSyivBJcA3aTlXp58ih?si=FIW8ewtSSyeY1atFPujaQ&dl_branch=1
4. 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>

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.

Curriculum Vitae

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.
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
20. **Wray, T.B.** Would addictions counselors use virtual reality with their patients? Research Society on Alcoholism annual meeting, Orlando, FL, June, 2022.
21. **Wray, T.B.** Partnering with social media influencers to promote HIV prevention in underserved populations. Boston University's Mobile & Electronic Health Affinity Research Collaborative. December, 2024.

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.

Curriculum Vitae

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.
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. DiGuisseppi, 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.

Curriculum Vitae

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.
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.
21. Jackson, K.M., Colby, S.M., Merrill, J.E., **Wray, T.B.**, Doucette, H., Egbert, A.H., Corcoran, E. Examining youth technology use to inform technology-based interventions: Findings from online focus groups with high school students. Research Society on Alcoholism annual meeting, Orlando, FL, June 2022.
22. Jackson, K. M., Gabrielli, J., Colby, S. C., **Wray, T.**, Merrill, J. M., Rogers, M. R., Janssen, T., Nelapati, S., Clement, A., Corcoran, E., Soto, M. (June 2023). Capturing real-time exposure to alcohol content in the media in adolescents. Oral presentation in *Novel approaches to examining the effects of both mass media and social media on alcohol use among adolescents and young adults*. The 46th Annual Research Society on Alcoholism Scientific Meeting, Bellevue, WA.
23. **Wray, T.B.**, Phelan, C., Monti, P.M., Chan, P.A., Kahler, C.W., & Ocean, E.M.S. Phosphatidylethanol (PEth) in home-collected dried blood spots among heavy drinking, sexual minority men: Completion rates and associations with recent drinking. Poster presented at the Research Society on Alcoholism annual meeting, Bellevue, WA, June 2022.
24. Nadkarni, S.*., **Wray, T.B.**, Chan, P.A., Klausner, J.D., Ward, L.M., & Ocean, E.M.S. Impact of regular home delivery of HIV self-testing and counseling on HIV testing and prevention outcomes in gay and bisexual men who test infrequently: A pragmatic, virtual randomized controlled trial. Poster presented at

Curriculum Vitae

the annual meeting of the Society for General Internal Medicine, Boston, MA, May 2024.

25. Tao, X., Janssen, T., Gabrielli, J., Contreras Perez, M., Colby, S., **Wray, T.**, Meisel, M., Lanza, S., & Jackson, K. (2025, June). Associations between multilevel latent classes of daily social media activities and media exposure to alcohol consequences among adolescents [Poster presentation]. 48th Annual RSA Scientific Meeting/ISBRA Congress, New Orleans, LA, United States
26. Phelan, C.*, Katz, A., Merrill, J., Jackson, K., **Wray, T.** (2025, Apr). Social media for recovery support for people with substance use disorder. A cross-sectional study of use patterns and motivations [poster session]. 13th Annual Collaborative Perspectives on Addiction (CPA): Providence, RI.
27. Phelan, C.*, Katz, A.*, Merrill, J., Jackson, K., **Wray, T.** (2025, Mar). Changes to Personal Social Media Use Among Those in SUD Treatment. A Cross-Sectional Survey [poster session]. 2025 Brown Postdoctoral Research Symposium: Providence, RI.
28. Guigayoma, J.*, Ong, J.J., Kanamori, M., Hickson, D., Ward, L., Becker, S., Biello, K., **Wray, T.B.** (2025, June) HIV self-test program preferences among Black and Latino Sexual and Gender Minorities in the Southern United States: An online discrete choice experiment. Continuum 2025 (HIV): San Juan, PR.
29. Guigayoma, J.*, Weber, Al., DiClemente-Bosco, K., Kanamori, M., Hickson, D., Ward, L., Biello, K., **Wray, T.B.**, & Becker, S. (2025, June) Barriers and facilitators to implementation of a low-price HIV self-test home delivery program in the Southern United States: An implementation science study. Continuum 2025 (HIV): San Juan, PR.
30. Tao, X., Janssen, T., Gabrielli, J., Contreras-Perez, M., Colby, S., Wray, T.B., Meisel, M., Lanza, S., Jackson, K. (2025, June) Associations between multilevel latent classes of daily social media activities and media exposure to alcohol consequences among adolescents. Research Society on Alcoholism annual meeting: New Orleans, LA.

GRANTS

Current Grants

1. **R01AA031282, National Institute on Alcohol Abuse and Alcoholism.** “Using virtual reality to help develop discrepancy and elicit change talk in brief motivational interventions for heavy drinking young adults.” **Principal Investigator**, 8/15/2024-8/14/2029, \$3,010,488.
2. **R41AA032946, National Institute on Alcohol Abuse and Alcoholism.** “A virtual reality (VR) platform that counselors can use to enhance treatment techniques and improve outcomes among those with alcohol use disorder.” **Contact Principal Investigator** (MPIs: Wray, Shroff), 09/15/2025-02/28/2026, \$309,452.

Curriculum Vitae

3. **R34AA032298, National Institute on Alcohol Abuse and Alcoholism.** “Using virtual reality to help adults with alcohol use disorder learn and practice coping skills in realistic high-risk situations.” **Principal Investigator.** 09/25/2025-08/31/2028, \$699,905.
4. **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.
5. **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.
6. **P20GM130414, National Institute of General Medical Sciences.** “Center for Addiction and Disease Risk Exacerbation – Recruitment, Engagement, and Community Health Core.” **Service Core Director** (PI: Monti), 12/01/2023-7/31/2024, \$1,022,377.
7. **R01HS029513, Agency for Healthcare Research & Quality,** “Evaluating diagnostic decision support systems for patients requiring urgent primary or emergency care or with stroke.” **Co-Investigator** (PI: Fraser), 7/1/2023-5/31/2028, \$1,905,210.
8. **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.
9. **R34AA029032, National Institute on Alcohol Abuse and Alcoholism.** “Targeting alcohol-opioid co-use among young adults using a novel mHealth intervention.” **Co-Investigator** (PI: Miranda), 07/15/2023-06/30/2026, \$1,812,513.

Completed Grants

1. **R01AA027968, National Institute on Alcohol Abuse and Alcoholism.** “Understanding adolescent in-vivo exposure to alcohol content in the media.” **Co-Investigator** (PI: Jackson), 9/10/2020-6/30/2024, \$627,783.
2. **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 – 10/31/2023, \$3,476,755.
3. **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), 9/1/2019-8/31/2023, \$696,597.

Curriculum Vitae

4. **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.
5. **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.
6. **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.
7. **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.
8. **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.
9. **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
10. **T32AA007459, National Institute on Alcohol Abuse and Alcoholism,** “Alcohol intervention/treatment outcome research training.” **Postdoctoral Fellow**, 9/1/2013-9/1/2015.
11. **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.
12. **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. **F31MH128157, National Institute of Mental Health.** “Addressing key issues in HIV self-testing program implementation for Black and Hispanic/Latino men who have sex with men in the US South.” Principal Investigator: John Guigayoma, MPH, Brown University School of Public Health. **Primary Mentor**. 8/1/2022-5/31/2024.

Curriculum Vitae

2. **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.
3. **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.
4. **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

| | | |
|--------------|----------------------|---|
| 2025-Present | Instructor of Record | Digital Health Innovations & AI in Healthcare, Healthcare Leadership Executive Master's Program, Brown University |
| 2021-Present | Instructor of record | Digital Health Innovation Certificate program, Course 1: Foundations of digital health, Brown University School of Professional Studies |
| 2020-Present | Instructor of record | Core academic advisor in the Masters of Public Health program, Brown University School of Public Health |
| 2020-Present | Instructor of record | Designing and Evaluating Public Health Interventions (PHP2355), Brown University School of Public Health |
| 2020-Present | Instructor of record | Technology & Health Behavior Change (PHP1690), Brown University School of Public Health |
| 2021 | Guest Lecture | Public health senior seminar (PHP1910), Brown University School of Public Health |
| 2020 | Instructor of record | Independent study (PHP 2980), Yeelen Edwards, 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 | Guest Lecture | Proseminar on behavioral intervention research |

Curriculum Vitae

(PHP2361), Digital health, 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 |
| 2014 | Guest Lecture | Social and behavioral approaches to HIV prevention (PHP 2330), Brown University School of Public Health |
| 2010 | Co-Instructor | Special topics in statistics: Structural equation Modeling (PAST792), University of South Dakota |

Junior faculty mentored: Andrew Sokolovsky, Ph.D. (Brown, 2020-2025), Lidia Meshesha, Ph.D., (University of Central Florida, 2020-2025), Drew Westmoreland, Ph.D. (University of Florida, 2020-2025)

Postdoctoral fellows mentored: Chanda Phelan, Ph.D. (2022-2024), Vasileios Nittas, Ph.D. (2022-2024)

Doctoral students mentored: Anthony Surace (2022), John Guigayoma (2022), Abby Katz (secondary mentor, 2024), Alysandra Zhang (2024)

MPH theses mentored: Graham DiGuiseppi (2018), Erik Ocean (2019), Jack Hester (2020), Langa Bakhuluma-Neube (2020), Lyndsey Armes (2022), Jalisa Stanislaus (2023), Ty Scott (2023), Gage Reitzel (2023), Shirley Shi (2024)

Undergraduate honors theses mentored: Alex Adia (2018), Naser Alshehri (2019), Elizabeth Wells (2022), Chiaka Abe (2021), Amanda Levy (2023), Camryn Kimura (2024), Amit Levi (2024), Johnny Chen (2024)

DEPARTMENT, CENTER, AFFILIATED HOSPITAL, OR UNIVERSITY SERVICE

| | |
|----------------|---|
| 2018 – Present | Scientist Member-at-Large, Brown University Institutional Review Board (IRB) |
| 2020 – Present | Leadership Committee, Brown-Lifespan Center for Digital Health |
| 2020 – 2025 | Executive Leadership Committee, Alcohol Research Center on HIV, Brown University School of Public Health |
| 2019 – 2024 | Postdoctoral Training Committee (NIAAA/NIDA T32s), Center for Alcohol and Addictions Studies, Brown University School of Public Health |
| 2019 – 2023 | Innovations in Behavioral and Social Sciences (iBSHS) committee, Department of Behavioral and Social Sciences, Brown University School of Public Health |
| 2020 – 2022 | Master of Public Health Admissions Committee, Brown University School of Public Health |
| 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 |

Curriculum Vitae