

Curriculum Vitae

Katie Brooks Biello, PhD

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Present Positions: Professor, Epidemiology and Behavioral & Social Sciences, Brown University School of Public Health

Chair, Epidemiology, Brown University School of Public Health

Research Scientist, The Fenway Institute, Fenway Health

Education	2002	B.A.	International Relations	Connecticut College
	2005	M.P.H.	Epidemiology and International Health	Boston University, School of Public Health
	2011	Ph.D.	Epidemiology (Dissertation: <i>Residential Racial Segregation and Sexual Risk in the United States</i>)	Yale University, School of Public Health
Pre-Doctoral Fellowship	2007-11	Pre-doctoral fellow	HIV/AIDS Research	Yale University, Center for Interdisciplinary Research on AIDS
Post-Doctoral Fellowship	2012-14	Post-doctoral fellow	Global HIV/AIDS Epidemiology	Harvard University, T.H. Chan School of Public Health, and Fenway Health, The Fenway Institute

Academic Appointments

2011-2020	Affiliated Investigator	Center for Interdisciplinary Research on AIDS, Yale University
2013-2017	Adjunct Assistant Professor	Boston University School of Public Health
2014-2015	Research Scientist	Harvard T. H. Chan School of Public Health
2014-2015	Research Scientist	The Fenway Institute, Fenway Health
2017-present	Affiliated Faculty	The Fenway Institute, Fenway Health
2015-2018	Assistant Professor	Brown University School of Public Health
2018-2023	Associate Professor	Brown University School of Public Health

2020-2023	Vice Chair	Department of Behavioral and Social Sciences, Brown University School of Public Health
2023-present	Professor	Brown University School of Public Health
2023-2024	Interim Chair	Department of Behavioral and Social Sciences, Brown University School of Public Health
2024-present	Chair	Department of Epidemiology, Brown University School of Public Health

Other Relevant Professional Positions

2003-2006	Research Coordinator	Cancer Prevention and Control Center, Boston University School of Medicine
2006-2007	Quality Management Coordinator	AIDS Program, Boston Public Health Commission
2006-2010	Statistical Consultant	Cancer Prevention and Control Center, Boston University School of Medicine
2011-2012	Data Manager	Centering Pregnancy Plus, Division of Chronic Disease Epidemiology, Yale School of Public Health

Academic Administrative Leadership Positions and Committee Service

2012-2020	Interdisciplinary Research Methods Core, Member	Yale School of Public Health, Center for Interdisciplinary Research on AIDS
2015-2020	Social and Behavioral Sciences Core, Member	Harvard Center for AIDS Research
2016-2019	Masters Admissions Committee, Member	Brown School of Public Health, Department of Behavioral and Social Sciences
2016-2024	i-BSHS Speaker Series Committee, Member	Brown School of Public Health, Department of Behavioral and Social Sciences
2016-2019	Public Safety Oversight Committee, Member	Brown University
2017-2020	Title IX Program Council, Member	Brown University
2018-2021	Committee on Faculty Equity and Diversity, Member	Brown University
2018-present	Data Safety & Monitoring Board, Member	Massachusetts General Hospital (NIDA K23 "Understanding and Addressing Internalized Stigma and Shame as Barriers to Engagement in HIV Care Among Men Who Have Sex with Men Who Use Substances," PI: Batchelder)
2019-2023	Diversity and Inclusion Planning Advisory Committee, Member	Brown School of Public Health

2019-2024	PhD Admissions Committee, Member	Brown School of Public Health, Department of Behavioral and Social Sciences
2020-2021	PhD Admissions Committee, Diversity Representative	Brown School of Public Health, Department of Behavioral and Social Sciences
2020	Vision, Mission and Goals Committee, Member	Brown School of Public Health
2020-2023	Executive Committee, Member	Brown School of Public Health, Department of Behavioral and Social Sciences
2021-2024	Center Management Committee, Member	Brown School of Public Health, Center for Health Promotion and Health Equity
2021-present	Data Safety & Monitoring Board, Chair	Drexel University (R01DA054543 “Efficacy of a Trauma Informed Intervention for Affect Regulation, Adherence and Substance Use to Optimize PrEP for Women who Inject Drugs,” PI: Roth)
2021-present	Substance Use Research Core, Member	Providence/Boston Center for AIDS Research
2023-present	Committee on Academic Standing, Member	Brown University
2023-2026	Developmental Core, Co-Director	Providence/Boston Center for AIDS Research
2024-present	Executive Committee, Member	Inter-CFAR Collaboration on HIV Research in Women Working Group
2024-present	Steering Committee, Member	Inter-CFAR Collaboration on HIV Research in Women Working Group
2024-present	Data Safety & Monitoring Board, Chair	Yale University (R01MH133543 “Implementing sustainable evidence-based mental healthcare in low-resource community settings nationwide to advance mental health equity for sexual and gender minority individuals,” PI: Pachankis)
2024-present	Director	Center for Epidemiologic Research, Brown University School of Public Health
2025-present	Scientific Advisory Board, Member	Massachusetts General Hospital/Fenway Health (Viiv ,” ASCEND: A multi-center assessment of an intervention to provide long acting cabotegravir injectable pre-exposure prophylaxis to people who inject drugs” PI: McCluskey, Fleming)
2026-present	Associate Director	Providence/Boston Center for AIDS Research

Scientific Review Activities and NIH Committees

2016-2020	Reviewer	NIH/NICHD Loan Repayment Project Award Applications (www.lrp.nih.gov)
2017-2018	Reviewer	Wellcome Trust, Intermediate Fellowship in Public Health and Tropical Medicine

		Application
2017-2018	Reviewer	California Tobacco-Related Disease Research Program (TRDRP) Social Behavioral Prevention Research
2019	Reviewer	NIH/NIAID: U.S.-Brazil Collaborative Biomedical Research Program (RFA-AI-18-054)
2019	Reviewer	NIH/NIMH Addressing the Role of Violence on HIV Care and Viral Suppression (RFA-MH-20-200)
2020-2021	Reviewer	Harvard Center for AIDS Research Developmental Awards
2020	Technical Expert	Substance Use and Mental Health Services Administration (SAMHSA) HIV Guidebook Technical Expert Panel
2020	Reviewer	NIH Fellowship: AIDS and AIDS-Related Applications (2020/10 ZRG1 F17-P (20) L)
2020	Reviewer	NIH/NIDA Reducing Stigma Related to Drug Use in Human Service Settings (2021/01 ZDA1 PXN-F (21) R)
2021	Reviewer	NIH/NIDA PrEP for HIV Prevention among Substance Using Populations (2021/05 ZDA1 TXT-V (09) R)
2021	Reviewer	NIH Fellowship: HIV/AIDS Biological (2021/05 ZRG1 F17A-C (20) L)
2021	Reviewer	NIH Fellowships: Infectious Diseases and Immunology (2022/01 ZRG1 F07C-K (20) L)
2021	Reviewer	NIH/NIDA High Priority HIV and Substance Use Research (2022/08 ZDA1 TXT-V (05) R)
2022-present	Reviewer	Providence/Boston Center for AIDS Research Developmental Awards
2022	Reviewer	NIH/NIDA High Priority HIV and Substance Use Research (2022/08 ZDA1 TXT-V (05) R)
2022	Reviewer	NIH Fellowship: HIV/AIDS Behavioral (2022/ ZRG1 F17B-A (20))
2022	Reviewer	NIH Director's New Innovator (DP2) Award Program
2023	Reviewer	Brown University School of Public Health Catalyst Award
2023	Reviewer	CDC: Increasing PrEP Use Among Black Cisgender Women in the United States; Expanding Rapid Initiation of Antiretroviral Therapy in Non-Traditional Settings: Emergency Department (2023/05 ZPS1 GCA (58) R)
2023	Reviewer	California HIV/AIDS Research Program (CHRP) Implementation of Long Acting Injectable PrEP

2023	Reviewer	NIH Director's New Innovator (DP2) Award Program
2023	Reviewer	Fogarty Global Infectious Disease Research Training Program (2024/01 ZRG1 DCAI-D (55) S)
2024	Reviewer	AIDS 2024 Abstract Reviewer, International AIDS Society
2024	Reviewer	NIH Fellowship: HIV/AIDS Behavioral (2024/ZRG1 F17B M (20))
2024	Reviewer	NIH/NIAID PAR-23-116: Centers for AIDS Research (CFAR)/ PAR-23-117: Developmental Centers for AIDS Research (D-CFAR) Grants
2025	Reviewer	AIDS 2025 Abstract Reviewer, International AIDS Society
2025	Reviewer	NIH/NIAID PAR-23-116: Centers for AIDS Research and PAR-23-117: Developmental Centers for AIDS Research
2026	Reviewer	NIH/NIAID HIV Epidemiology and Population Health Special Emphasis Panel-ZRG1 EPH-U (50)
2026	Reviewer	AIDS 2025 Abstract Reviewer, International AIDS Society

Editorial Activities

Editorial Boards

2016-present	<i>AIDS and Behavior</i>
2017-2023	<i>BMC Public Health</i> (Associate Editor)
2020-present	<i>Contemporary Clinical Trials</i>
2021-present	<i>Vaccines</i>

Journal Manuscript Reviewer

AIDS and Behavior, AIDS Care, American Journal of Epidemiology, American Journal of Public Health (AJPH), Annals of Behavioral Medicine, BMC International Health and Human Rights, BMC Public Health, Drug and Alcohol Dependence, Ethnicity and Health, Global Public Health, International Journal of Drug Policy, JAIDS, Journal of Epidemiology and Community Health, Journal of the International AIDS Society, Journal of International Drug Policy, Journal of Urban Health, Lancet HIV, LGBT Health, PLOS One, Sexual Health, Sexuality Research and Social Policy, Sexually Transmitted Diseases, Sexually Transmitted Infection, Transgender Health

Awards and Honors

Academic Achievements

1998-2002	Dean's High Honors/Magna Cum Laude	Connecticut College
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2006	Delta Omega Honor Society	Boston University School of Public Health
2007-2011	National Institute of Mental Health Fellowship for Interdisciplinary Training in HIV/AIDS	Yale University School of Public Health
2025-present	Provost's Professor	Brown University

Research Awards

2016, 2017	NIH Grant Resubmission Award (4 awards, totaling \$60,000)	Brown University, Office of the Vice President for Research
2019	NIH Sexual & Gender Minority Early Stage Investigator Award	National Institutes of Health, Sexual & Gender Minority Research Office
2023	Brown University Faculty Leadership	Brown University
2022	Catalyst Grant Award for Innovative Research that Addresses Racial and Ethnic Disparities in Health (\$20,000)	Brown University, School of Public Health, Office of the Dean

Publications

*Trainees and students are underlined

Original Publication in Peer Reviewed Journals (Last name changed to Biello from Brooks in 2008)

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195. Peerbhoy Z, Rawat S, Singh J, Ponugoti I, Mimiaga MJ, **Biello KB**, Lodge II W. Misinformation, social media, and myths about injectable ART: Communication barriers to HIV care among transgender women in India. *AIDS and Behavior*. In press.
194. Guigayoma J, Ong J, Kanamori M, Hickson D, Ward L, Becker SJ, **Biello KB**, Wray T. HIV Self-Test Program Preferences among Non-Hispanic Black and Hispanic Men Who Have Sex with Men in the Southern United States: a Discrete Choice Experiment. *AIDS and Behavior*. In press.
193. Valente PK, Fisher C, **Biello KB**, Mimiaga MJ, O'Connor G, Pellegrino N, Knopf A, Brown B. Effects of an audiovisual intervention to improve competence to consent to research participation among young gay and bisexual men who use stimulants. *Journal of Adolescent Health*. In press.
192. Shaw LC, Jimenez YS, Sproesser DM, Hayes E, Baumgartner K, Krakower DS, Bordeu M, Mimiaga MJ, Bositis CM, Bazzi AR, **Biello KB**. Persistent HIV transmission misconceptions among people who use drugs in Massachusetts. *AIDS & Behavior*. In press.
191. Lai E, **Biello KB**, Buxton JA, Hadland SE, Sherman SG, Goldman JE, Noguchi JE, Marshall BDL, Macmadu A. Sociodemographic characteristics and drug use practices associated with fentanyl use frequency among people who use drugs in Rhode Island. *Subst Use Misuse*. 2026 Feb 11:1-9. doi: 10.1080/10826084.2026.2624064. PMID: 41672418
190. Shaw LC, Jimenez YS, Sproesser DM, Baumgartner K, Krakower DS, Bordeu M, Mimiaga MJ, Bositis CM, Bazzi AR, **Biello KB**. The health toll of encampment sweeps:

- a descriptive analysis of people who use drugs in Massachusetts. *J Urban Health*. 2026 Feb 11. doi: 10.1007/s11524-025-01057-9. PMID: 41670878
189. Fernandez EM, Bauermeister JA, **Biello KB**, Hightow-Weidman LB, Meanley SP. Patient-provider sexual health communications and PEP awareness among young cisgender men who have sex with men. *AIDS Behav*. 2026 Jan 5. doi: 10.1007/s10461-025-05005-1. Online ahead of print. PMID: 41489849
188. Valente PK, Fisher C, **Biello KB**, Mimiaga MJ, Rodriguez G, Ficks K, Brown B. Competence to consent and willingness to participate in behavioral trials among a mixed HIV serostatus sample of young gay and bisexual men who use stimulants: A mixed-methods study. *Substance Use and Misuse*. 2026 Jan 18:1-10. doi: 10.1080/10826084.2026.2613210.
187. Noguchi JE, Li Y, Park CJ, Goldman JE, Shaw LC, Buxton JA, Hadland SE, Sherman SG, **Biello KB**, Marshall BDL. Fentanyl test strip use and homelessness among people who use drugs in Rhode Island. *Int J Drug Policy*. *Int J Drug Policy*. 2026;147:105081.
186. Wasserman E, Brewer B, Mandeville B, Welch C, Noh M, Bazzi AR, **Biello K**, Agénor M. "It Was Like a Baptism by Fire:" Sexual and reproductive healthcare providers' training experiences related to the provision of care to Black and Latina women who use substances in the United States. *Community Health Equity Res Policy*. 2025;2752535X251409440.
185. Kuhns LM, Garofalo R, Belzer M, McAvoy-Banerjea J, Holzman J, Kwak E, Johnson AK, **Biello K**, Schnall R, Hidalgo MA, Reisner SL, Mimiaga MJM. Digital limited interaction efficacy trial of LifeSkills Mobile to reduce HIV incidence in young transgender women: study protocol. *Trials*. 2025;27(1):62.
184. Elliott RJ, Pantalone DW, **Biello KB**, Hughto JMW, O'Cleirigh C, Mayer KH, Safren SA, Mimiaga MJ. Childhood sexual abuse moderates the long-term effect of an HIV prevention intervention among men who have sex with men with crystal methamphetamine use disorder. *Ann LGBTQ Public Popul Health*. 2025;6(3):307-319. doi: 10.1891/LGBTQ-2023-0034. PMID: 41311666
183. Yonko EA, Wright CG, Rabbottini L, Aminzadeh K, Mayer KH, **Biello KB**, Mimiaga MJ. Navigating the Mpox outbreak: insights on vaccination decisions and psychosocial impacts among gay, bisexual, and other men who have sex with men in Los Angeles. *AIDS and Behavior*. 2025. doi: 10.1007/s10461-025-04916-3
182. Lodge II W, Rawat S, Dange A, Chaudary J, Agénor M, Anand VR, Operario D, Mimiaga MJ, **Biello KB**. Multilevel syndemic profiles impacting optimal ART adherence among trans women living with HIV in Mumbai and New Delhi, India: a latent class analysis. *Int J Transgend Health*. 2025;10.1080/26895269.2025.2527828. PMID: 40857432.
181. Valente PK, Veras MASM, Pena M, Carvalho PGC, Gomes JL, O'Connell E, **Biello KB**. Experiences and preferences for HIV prevention modalities among transgender women and travestis sex workers in São Paulo, Brazil: A qualitative study. *Culture, Health and Sexuality*. 2025:1-12. PMID: 40928766.
180. Nolen S, Bessey SE, Howe CJ, Rice BM, **Biello KB**, Marshall BDL. A spatially dynamic agent-based model for assessing the effect of gentrification-induced migration and HIV transmission among heterosexual African American/Black adults. *Ann Epidemiol*. 2025;110:122-129. PMID: 40840569.
179. Agénor M, Tipnis A, Byers M, Davis T, Noh M, Dunham R, Reyna K, Adesuyi Q, Bazzi AR, **Biello KB**. Structural barriers to sexual and reproductive health care among Black and Latina cisgender and transgender U.S. women who use drugs: A qualitative study. *BMC Health Services Research*. 2025;25(1):754. PMID: 40426121.

178. Lai E, **Biello KB**, Buxton JA, Marshall BDL, Macmadu A. Characteristics associated with forced treatment discontinuation among people who use drugs in Rhode Island. *Drug and Alcohol Dependence*. 2025;272:112686.
177. Guigayoma J, **Biello K**, Becker SJ, Ocean E, Ward L, Chan P, Klausner J, Wray T. High HIV testing among Black/Latino men who have sex with men assigned to HIV self-testing in a national randomized controlled trial. *JAIDS*. 2025. doi: 10.1097/QAI.0000000000003693. PMID: 40338739.
176. Parker S, Reichley N, **Biello KB**, Goldman J, Buxton JA, Hadland SA, Sherman SG, Marshall BDL, Macmadu A. Differences by race and ethnicity in drug use patterns, harm reduction practices and barriers to treatment among people who use drugs in Rhode Island. *Harm Reduct J*. 2025;22(1):38.
175. Lodge II W, Chaudary J, Rawat S, Agénor M, Dange, A, Anand VR, Operario D, Mimiaga MJ, **Biello KB**. From policy to practice: syndemic and intersectional challenges to ART adherence for transgender women under India's post-test and treat policy. *Global Public Health*. 2025; 20(1):2473446. <https://doi.org/10.1080/17441692.2025.2473446>.
174. Lodge II W, Rawat S, Dange A, Agénor M, Anand V, Operario D, Mimiaga MJ, **Biello KB**. Transgender women in India: a syndemic and intersectional framework addressing HIV care gaps. *American Journal of Public Health*. 2025; 115:1245-1253. <https://doi.org/10.2105/AJPH.2025.308046>
173. Yonko EA, **Biello KB**, Cormack Orellana C, Richards O, Wright C, Aminzadeh K, Mayer KH, Mimiaga MJ. DoxyPEP implementation preferences for bacterial STD prevention among gay, bisexual, and other men who have sex with men living with and without HIV in Los Angeles: A mixed-methods approach. *AIDS Patient Care and STDs*. 2025;39(3):84-93.
172. Mimiaga MJ, Kuhns LM, **Biello KB**, Tian J, Skeer MR, Psaros C, Moitra E, Chen, D, Yonko E, Mayer KH, Safren SA, Garofalo R. Positive STEPS: Enhancing medication adherence and achieving viral load suppression in youth living with HIV - results from a stepped-care randomized controlled efficacy trial. *JAIDS*. 2025;99(1):64-74. PMID: 39881440.
171. Gravett R, Long DM, **Biello KB**, Mayer KH, Krakower DS, Hill-Rorie J, Lillis RA, Whiteside Y, Elope L. Preferences for monthly oral PrEP over other PrEP modalities among a national sample of gay, bisexual, and other men who have sex with men in the United States. *J Acquir Immune Defic Syndr*. 2025;99(2):128-137.
170. Eger WH, Shaw LC, **Biello KB**, Lopez C, Brody JK, Bazzi AR. HIV pre-exposure prophylaxis prescription initiation and maintenance among homeless-experienced people who use drugs. *J Acquir Immune Defic Syndr*. 2025;98(3):234-241.
169. **Biello KB**, Mayer KH, Scott H, Valente PK, Hill-Rorie J, Buchbinder S, Ackah-Toffey L, Sullivan PS, Hightow-Weidman L, Liu AY. The effects of MyChoices and LYNX mobile applications on HIV testing and PrEP use by young U.S. sexual minority men: results from a national, randomized controlled trial. *JMIR Public Health Surveill*. 2025;11:e63428. doi: 10.2196/63428. PMID: 39908084
168. Hughto JMW, Hughes L, Nelson KM, Perry NS, Mimiaga MJ, **Biello KB**, Bailey A, Pantalone DW. An initial randomized controlled trial of a Combined Medication and Behavioral Activation Treatment (CoMBAT) for people with opioid use disorder. *J Sub Use Addic Treat*. 2025;169: 209602.
167. Napoleon SC, Park CJ, Goldman J, Li Y, Buxton JA, Macmadu A, **Biello KB**, Noguchi J, Marshall BDL. Correlates of fentanyl preference among people who use drugs in Rhode Island. *Harm Reduction Journal*. 2024;21(1):169. doi: 10.1186/s12954-024-01089-5. PMID: 39272059.

166. Shaw LC, **Biello KB**, Buxton JA, Goldman JE, Hadland SE, Sherman SG, Li Y, Macmadu A, Marshall BD. How substance use preferences and practices relate to fentanyl exposure among people who use drugs in Rhode Island, USA. *Drug and Alcohol Dependence Reports* 2024;12:100280.
165. Hill-Rorie J, **Biello KB**, Quint M, Johnson B, Elore L, Johnson K, Lillis R, Burgan K, Krakower D, Whiteside Y, Mayer KH. Weighing the Options: Which PrEP (Pre-exposure Prophylaxis) Modality Attributes Influence Choice for Young Gay and Bisexual Men in the United States? *AIDS and Behavior*. 2024. doi:10.1007/s10461-024-04384-1.
164. Qian Y, Detels R, Comulada WS, Hidalgo MA, Lee S-J, **Biello KB**, Yonko EA, Friedman MR, Palella FJ, Plankey MW, Mimiaga MJ. Longitudinal analysis of overlapping psychosocial factors predicting incident hospitalization among mixed HIV serostatus MSM in the Multicenter AIDS Cohort Study. *AIDS and Behavior*. 2024;28(9):1-12. doi: 10.1007/s10461-024-04356-5. Epub ahead of print. PMID: 38703339.
163. Tan M, Park C, Goldman J, **Biello KB**, Buxton J, Hadland SE, Park JN, Sherman SG, Macmadu A, Marshall BDL. Association between willingness to use an overdose prevention center and probation or parole status among people who use drugs in Rhode Island. *Harm Reduction Journal*. 2024;21,54. doi: 10.1186/s12954-024-00969-0. PMID: 38424553.
162. **Biello KB**, Chan PA, Ndoye CD, Nelson L, Nelson E, Silva V, Kwak E, Napoleon S, Cormack Orellana C, Richards OG, Davis E, Mimiaga MJ. Study protocol of a randomized controlled trial to assess the efficacy of the “PrEPare for Work” intervention to enhance PrEP uptake and optimize adherence for HIV prevention among male sex workers in the U.S. *BMC Public Health*. 2024;24,424.
161. Lodge II W, Kelly PJA, Napoleon S, Plezia S, Mimiaga MJ, **Biello KB**. Prevalence of methamphetamine use among gay, bisexual and other men who have sex with men: A systematic review and meta-analysis. *International Journal of Drug Policy*. 2024;123:104271.
160. Teixeira da Silva D, Valente P, Lin W, Hightow-Weidman L, Mayer K, **Biello K**, Bauermeister J. Psychosocial and structural stressors and engagement in care among sexual minority men across racial identities. *Behavioral Medicine*. 2023 Dec 21:1-9.
159. Psaros C, Hill-Rorie J, Quint M, Horvitz C, Dormitzer J, **Biello KB**, Krakower DS, Safren S, Mimiaga MJ, Sullivan P, Hightow-Weidman LB, Mayer KH. A qualitative exploration of how to support PrEP adherence among young men who have sex with men. *AIDS Care*. 2023 Sep 25:1-12.
158. **Biello KB**, Valente PK, da Silva DT, Lin W, Drab R, Hightow-Weidman L, Mayer KH, Bauermeister J. Who prefers what? Correlates of preferences for next-generation HIV prevention products among a national U.S. sample of young men who have sex with men (YMSM). *Journal of the International AIDS Society*. 2023;26(S2):e26096.
157. Bazzi AR, Bordeu M, Baumgartner K, Sproesser DS, Bositis CM, Krakower DS, Mimiaga MJ, **Biello KB**. Study protocol for an efficacy trial of the “PrEP for Health” intervention to increase HIV PrEP use among people who inject drugs. *BMC Public Health*. 2023;23(1):513.
156. Kelly P, **Biello KB**, Hughto JW. Makeshift medicine is a response to US health system failures. *Nature Human Behavior*. 2023. doi: 10.1038/s41562-023-01575-z.
155. **Biello KB**, Chan P, Holcomb R, Daley Ndoye C, Valente P, Maynard M, Gandhi M, Mayer K, Mimiaga M. PrEPare for Work: A pilot randomized controlled trial of an intervention to optimize HIV PrEP outcomes among male sex workers. *AIDS and Behavior*. 2023;27(10):3294-3305.

154. Lodge II W, Klasko-Foster L, Mimiaga M, **Biello K**. The need for targeted behavioral HIV-related interventions for transgender women in India: A scoping review. *Indian Journal of Medical Research*. 2022;156(6):721-728.
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152. Valente PK, Rusley J, Operario D, **Biello KB**. Readiness to provide oral and injectable PrEP for sexual and gender minority youth among healthcare providers and clinics in the U.S. Northeast. *Journal of Adolescent Health*. 2023;72(5):722-729.
151. Lodge II W, **Biello K**, Thomas B, Rawat S, Baruah D, Dange A, Anand V, Swaminathan S, Kumar S, Balu V, Menon S, O'Cleirigh C, Mayer KH, Safren SA, Mimiaga MJ. Longitudinal impact of stressful life events on HIV-related risk and psychosocial problems among MSM in Chennai and Mumbai, India. *International Journal of STD & AIDS*. 2023;0(0).
150. Guigayoma J, Becker SJ, Ong JJ, Kanamori M, Hickson D, Ward LM, **Biello KB**, Wray T. 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. 2023;4(1):14.
149. Shaw LC, **Biello KB**, Vahey S, Brody JK, Bazzi AR. PrEP disclosure and discussions within social networks of people who inject drugs experiencing homelessness: a brief report. *BMC Public Health*. 2023;23:263.
148. Sison OT, Baja ES, Bermudez A, Quilantang MI, Dalmacion GV, Guevara EG, Garces-Bacsal RM, Hemingway C, Taegtmeier M, Operario D, **Biello KB**. Association of anticipated HIV testing stigma and provider mistrust on preference for HIV self-testing among cisgender men who have sex with men in the Philippines. *BMC Public Health*. 2022;22:2362.
147. Valente PK, Bauermeister JA, Lin WY, Teixeira da Silva D, Hightow-Weidman L, Drab R, Mayer KH, Operario D, Rusley J, **Biello KB**. Preferences across PrEP modalities among young men who have sex in the U.S.: A latent class analysis study. *AIDS Patient Care STDs*. 2022;36(11):431-442.
146. Lodge II W, Thomas B, **Biello K**, Swaminathan S, Sangama Reddy B, Navakodi P, Menon S, Mayer K, Safren S, Mimiaga M. General healthcare utilization increases recent and routine HIV and STI testing among male sex workers in Chennai, India. *AIDS Education & Prevention*. 2022;34(4):291-299.
145. **Biello KB**, Daddario SR, Hill-Rorie J, Futterman D, Sullivan PS, Hightow-Weidman L, Jones J, Mimiaga MJ, Mayer KH. Uptake and Acceptability of MyChoices: Results of a pilot RCT of a mobile app designed to increase HIV testing and PrEP uptake among young American MSM. *AIDS and Behavior*. 2022;26(12):3981-3990.
144. Bazzi AR, Shaw LC, **Biello KB**, Vahey S, Brody JK. Patient and provider perspectives on a novel, low-threshold HIV PrEP program for people who inject drugs experiencing homelessness. *Journal of General Internal Medicine*. 2022; 25: 1-9.
143. Bazzi AR, Valasek CJ, Streuli SA, Vera CF, Harvey-Vera A, Philbin MM, **Biello KB**, Roth AM, Strathdee SA, Pines HA. Long-acting injectable HIV pre-exposure prophylaxis preferred over other modalities among people who inject drugs: findings from a qualitative study in California. *AIDS Patient Care & STDs*. 2022;36(7):254-262.
142. Kazemian P, Ding DD, Scott JA, Feser MK, **Biello K**, Thomas BE, Dange A, Bedoya CA, Balu V, Rawat S, Kumarasamy N, Mimiaga MJ, O'Cleirigh C, Weinstein MC, Prem Kumar J, Kumar S, Mayer KH, Safren SA, Freedberg KA. The cost-effectiveness of a resilience-based psychosocial intervention for HIV prevention among men who have sex with men in India. *AIDS*. 2022;36(9):1223-1232

141. Valente PK, Bauermeister JA, Lin WY, Operario D, Rusley J, Hightow-Weidman L, Mayer KH, **Biello KB**. Next generation pre-exposure prophylaxis for young men who have sex with men: lessons from system and provider-level barriers to oral PrEP. *AIDS and Behavior*. 2022;26(10):3422-3435.
140. Braun HM, Walter C, Natalija F, **Biello KB**, Taylor JL. HIV exposure prophylaxis delivery in a low-barrier substance use disorder bridge clinic during a local HIV outbreak at the onset of the COVID-19 pandemic. *Journal of Addiction Medicine*. 2022;16(6):678-683.
139. **Biello K**, Valente PK, Lin WY, Lodge W, Drab R, Hightow-Weidman L, Teixeira da Silva D, Mayer K, Bauermeister JA. PrEParing for NextGen: cognitive interviews to improve next generation PrEP modality descriptions for young men who have sex with men. *AIDS and Behavior*. 2022;26(6):1956-1965.
138. Klasko-Foster LB, **Biello KB**, Lodge W, Olson J, Mimiaga MJ. Transitioning from face-to-face to the digital space: Best practices and lessons learned leveraging technology to conduct HIV-focused interventions. *Telemedicine and e-Health*. 2022;28(7):1070-1073.
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3. **Brooks KR**, Brooks DR, Hufford D, Samenow J, Geller AC. Are television stations and weather pages still reporting the UV Index? A national media follow-up study. *Archives of Dermatology*. 2005;14:526.
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1. Winickoff JP, Berkowitz AB, **Brooks KR**, Tanski SE, Geller AC, Thomson C, et al. State of the art interventions for office-based parental tobacco control. *Pediatrics*. 2005;115(3):750-60.

Book Chapters

4. Mimiaga MJ, Clasko-Foster L, Santostefano C, Jin H, Wyron T, Hughto JW, **Biello K**. Global epidemiology and social ecological determinants of substance use disparities, consequences of use, and treatment options among sexual and gender minority populations. In: Kaufman MR, Hwahng S, eds. *Global LGBTQ Health*. Springer International Publishing; 2023. ISBN: 9783031362033.

3. Lodge II W, **Biello KB**, Valente PK, Mimiaga MJ. Crystal methamphetamine use among sexual minority men: Epidemiology, consequences of use, and treatment approaches. In: Patel VB, Preedy VR, eds. *Handbook of Substance Misuse and Addictions: From Biology to Public Health*. Springer Nature; 2022. ISBN: 9783030923921.
2. Salhaney P, Mimiaga MJ, Santostefano C, **Biello KB**. Chapter 19: Male sex work and behavioral health: structural risks, stigma, and psychosocial considerations. In: Scott J, Grov C, Minichiello V, eds. *The Routledge Handbook of Male Sex Work, Culture, and Society* 1st ed. Routledge; 2021:310-326.
1. Salhaney P, **Biello KB**, Mimiaga MJ. Chapter 18: Global epidemiology of HIV and other sexually transmitted infections among male sex workers: emerging approaches in prevention and treatment. In: Scott J, Grov C, Minichiello V, eds. *The Routledge Handbook of Male Sex Work, Culture, and Society* 1st ed. Routledge; 2021:289-309.

Other Media

2. Substance Abuse and Mental Health Services Administration (SAMHSA). Prevention and Treatment of HIV Among People Living with Substance Use and/or Mental Disorders. Publication No. PEP20-06-03-001 Rockville, MD: National Mental Health and Substance Use Policy Laboratory. Substance Abuse and Mental Health Services Administration, 2020. (Role: Technical Panel Expert)
1. Biello KB. (2017, July). Public Health Minute: HIV Prevention (W. Latimer, Interviewer) [Audio file]. Retrieved from <https://soundcloud.com/publichealthminute/hiv-prevention-dr-katie-biello>

Invited Presentations

Local/National

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|------|---|
| 2012 | Harvard Center for AIDS Research. "Social, sexual, and drug networks of male sex workers" |
| 2014 | Centers for Disease Control and Prevention STD Prevention Conference. "Mini-Plenary: Addressing disparities in STD risk: Can residential segregation and other population-level constructs [or social determinants] make real-world contributions to STD prevention?" |
| 2015 | Harvard Center for AIDS Research. "Designing a sexual network study of men who have sex with other men: exploring racial and ethnic preferences in study design and methods." |
| 2016 | Brown University School of Public Health, Center for Alcohol and Addiction Study Rounds. "Hard at work in Providence: The unmet HIV prevention needs at the epicenter of street-based male sex work." |
| 2016 | World AIDS Day Symposium. Boston/Providence CFAR. "Optimizing bio-behavioral HIV prevention approaches for people who inject drugs." |
| 2017 | Boston University School of Public Health, Global Health Research Seminar Series. "Perspectives on HIV pre-exposure prophylaxis (PrEP) for people who inject drugs in the U.S. Northeast." |
| 2017 | Boston Medical Center, and Boston University School of Medicine, Addiction Medicine / Addiction Psychiatry training program, Clinical Addiction Research and Education Unit. "PrEP for HIV prevention among PWID in Boston and Providence." |

- 2017 Adolescent Trials Network Annual Meeting. "Acceptability of and preference for injectable PrEP and other emerging modalities among young U.S. men, transgender women and transgender men who have sex with men."
- 2019 Adolescent Trials Network Annual Meeting. "Go or No-Go? Preliminary Results from the MyChoices Pilot RCT."
- 2019 National Institutes of Health, Sexual & Gender Minority Research Office. "Improving the PrEP Care Continuum for Sexual and Gender Minorities: Diverse Strategies for Diverse at-risk Groups."
- 2020 Providence/Boston Center for AIDS Research, Annual Research Forum. "PrEP Implementation for People Who Inject Drugs in the US Northeast."
- 2021 Harvard Center for AIDS Research. "PrEP for PWID: Current research and future directions."
- 2022 Harvard Center for AIDS Research. "Multi-Level Gendered Racism and Access to and Use of Pre-Exposure Prophylaxis (PrEP) Among Black and Latina U.S. Women who use Drugs."
- 2023 Society of Behavioral Medicine Annual Meeting. Invited Moderator for Paper Session 6: HIV PrEP Uptake.
- 2024 UCLA-CDU CFAR and UCLA CHIPTS HIV Grand Rounds Lecture. "Reaching people who inject drugs with ART for HIV Prevention." (Postponed due to accident)
- 2024 2024 Penn Center for AIDS Research Scientific Symposium, "Novel and diverse approaches to reducing the disproportionate burden of HIV"
- 2024 Association for Behavioral and Cognitive Therapies (ABCT) 2024 Annual Convention. Invited Discussant for Symposia, 1783710: Investigating Sexual and Mental Health Challenges among Stimulant Using Sexual Minority Men
- 2025 State Street Corporation, Pride and Friends Network. Invited Panel Member on "Pride & Remembrance: Stories from the AIDS Crisis"

International

- 2014 National Institute for Research on Tuberculosis, Indian Council of Medical Research. "Developing and implementing standard operating procedures for research studies"
- 2014 National Institute for Research on Tuberculosis, Indian Council of Medical Research. "Training on data collection procedures and study assessment implementation"
- 2014 Humsafar Trust, Mumbai, India. "Training on data collection procedures and study assessment implementation"
- 2015 National Institute for Research on Tuberculosis, Indian Council of Medical Research. "Data collection and management with CommCare"
- 2015 Humsafar Trust, Mumbai, India. "Data collection and management with CommCare"
- 2015 AIDSIMPACT 12th international conference in Amsterdam, Netherlands. "Multiple syndemic psychosocial factors are associated with reduced engagement in HIV care among a multinational, online sample of HIV-infected MSM in Latin America"
- 2016 Global Forum on MSM & HIV; session on Tech Sex: The Role of Digital Technologies in Relation to the HIV Response, Durban, South Africa. "A pilot

	randomized controlled trial of a mobile phone delivered counseling intervention to reduce HIV risk among male sex workers in Chennai, India”
2018	University of Philippines, Manila. “Scientific Writing Workshop.”
2018	University of Philippines, Manila. “Packing and Unpacking HIV Prevention for MSM and Transgender Populations.”
2024	International AIDS Society (IAS) Annual Meeting, Munich, Germany. Invited panelist for Satellite Symposium, “Fitting my needs - HIV prevention in the age of biomedical alternatives.”
2024	Association for Behavioral and Cognitive Therapies Annual Convention, Philadelphia, PA. Invited discussant for Symposia, 1783710: “Investigating Sexual and Mental Health Challenges among Stimulant Using Sexual Minority Men.”

Presentations at Scientific Conferences (limited to prior 5 years)

2017	PrEP uptake disparities in a diverse on-line sample of U.S. men who have sex with men	Conference on Retroviruses and Opportunistic Infections, Seattle, WA
2017	Mobile phone based intervention for high-risk Indian MSM sex workers: Could this be an effective tool for improvements in communication towards sexual risk reduction?	IFSW European Conference, Reykjavik, Iceland
2017	Low awareness and uptake of HIV pre-exposure prophylaxis among male sex workers in the Northeastern United States	9th International AIDS Society Conference on HIV Science (IAS 2017), Paris, France
2017	Reasons for not Using PrEP in a National On-Line Sample of U.S. Men who have Sex with Men (MSM)	9th International AIDS Society Conference on HIV Science (IAS 2017), Paris, France
2017	Behavioral and Socio-Demographic Correlates of PrEP Side Effects in a National Sample of U.S. Men who have Sex with Men (MSM)	9th International AIDS Society Conference on HIV Science (IAS 2017), Paris, France
2017	Perspectives on HIV pre-exposure prophylaxis (PrEP) for people who inject drugs in the US Northeast	2017 National CFAR Meeting, Washington, DC
2017	Project LifeSkills: A randomized controlled efficacy trial of a culturally tailored, empowerment-based, and group-delivered HIV prevention intervention for young transgender women	AIDSImpact 13 th International Conference, Capetown, South Africa
2018	Stakeholder perspectives on delivering pre-exposure prophylaxis (PrEP) to people who inject drugs	College on Problems of Drug Dependence 80 th Annual Scientific Meeting, San Diego, CA

2018	Pre-exposure prophylaxis (PrEP) for people who inject drugs? A scoping review of HIV treatment adherence research	College on Problems of Drug Dependence 80 th Annual Scientific Meeting, San Diego, CA
2018	Adolescent Transwomen Face Additional Barriers to ART Adherence Than Cisgender Peers	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	A missing perspective: Injectable pre-exposure prophylaxis (PrEP) for people who inject drugs	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	Repurposed technology: The process of integrating location-based alerts into an HIV testing app for young men who have sex with men	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	Violence victimization among male sex workers in the U.S. Northeast	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	Reality vs. perception: Differences in self-reported behavioral risk compensation between PrEP users and non-users in a large sample of American MSM	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	Burden of HIV among Young Transgender Women: Factors Associated with HIV Infection and HIV Treatment Engagement	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	Behavioral Activation Integrated with Sexual Risk Reduction Counseling for High-Risk MSM with Crystal Methamphetamine Dependence: An Initial Randomized Controlled Trial	22 nd International AIDS Society Conference (IAS 2018), Amsterdam, the Netherlands
2018	High Interest in PrEP and Economic Interventions for HIV Prevention Among Male Sex Workers in Mexico	HIV Research for Prevention (HIVR4P 2018) Conference, Madrid, Spain
2018	Intersectionality of HIV risk groups: substance using men who have sex with men in lower socioeconomic positions	HIV Research for Prevention (HIVR4P 2018) Conference, Madrid, Spain
2019	Supporting PrEP adherence among young men who have sex with men: Perspectives from youth and healthcare professionals	International Conference on HIV Treatment and Prevention Adherence (Adherence 2019), Miami, Florida
2019	Impact of targeted pre-exposure prophylaxis uptake among male sex workers on HIV incidence among men who have sex with men: An agent-based modeling study	10th IAS Conference on HIV Science (IAS 2019), Mexico City, Mexico

2019	PrEPare for Work: an intervention to increase PrEP uptake among male sex workers	10th IAS Conference on HIV Science (IAS 2019), Mexico City, Mexico
2020	High prevalence of PrEP indication in people who inject drugs in Boston, MA, 2018	Conference on Retroviruses and Opportunistic Infections (CROI), Boston, MA
2020	Is PEP a Gateway to PrEP? Experience from a High Volume Community Health Center	23 rd International AIDS Conference (AIDS 2020), San Francisco, CA
2020	Geosocial networking application usage is associated with increased HIV sexual risk behavior and PrEP awareness among Nigerian gay, bisexual and other men who have sex with men	23 rd International AIDS Conference (AIDS 2020), San Francisco, CA
2020	Psychosocial problems mediates the relationship between minority stress and HIV sexual risk among Nigerian GBMSM: Adapting the minority stress model	23 rd International AIDS Conference (AIDS 2020), San Francisco, CA
2020	Delivering PrEP to homeless people who use drugs: Innovations in low-threshold PrEP programming	23 rd International AIDS Conference (AIDS 2020), San Francisco, CA
2020	Transgender-related discrimination is associated with substance use and treatment history in a multi-state sample of transgender adults	American Public Health Association 2020 Annual Meeting and Expo, San Francisco, CA
2021	An Exploration of Perceptions of and/or Experiences Using Poppers Among MSM	2021 Meeting of the Society for the Social Studies of Science, virtual
2021	Perceived acceptability of broadly neutralizing antibodies (bnAbs) for HIV prevention among young men who have sex with men at risk for HIV infection in the United States	11th IAS Conference on HIV Science, virtual
2021	Health care system- and provider-level barriers to utilization of oral pre-exposure prophylaxis (PrEP) among young men who have sex with men and lessons for implementation of next generation modalities	11th IAS Conference on HIV Science, virtual
2021	Acceptability of and preferences for next generation PrEP products among young men who have sex with men	11th IAS Conference on HIV Science, virtual
2021	Patient and provider perspectives on a novel, low-threshold PrEP program for people who inject drugs and experience homelessness	11th IAS Conference on HIV Science, virtual

2022	Who prefers what? Correlates of preferences for next-generation HIV prevention products among a national U.S. sample of young MSM	AIDS 2022, the 24th International AIDS Conference, Montreal, Canada
2022	Broadly neutralizing HIV-1 antibodies as a PrEP modality among young sexual minority men: a conjoint experiment	AIDS 2022, the 24th International AIDS Conference, Montreal, Canada
2022	A conjoint analysis of injectable PrEP preferences among young sexual minority men	AIDS 2022, the 24th International AIDS Conference, Montreal, Canada
2022	When pandemics collide: Impact of the COVID-19 pandemic on HIV and STI testing, treatment and PrEP use in a Boston community health center	AIDS 2022, the 24th International AIDS Conference, Montreal, Canada
2022	Health insurance and provider access among young MSM in the US: Baseline results from the COMPARE Study	AIDS 2022, the 24th International AIDS Conference, Montreal, Canada
2022	A New Abnormal: Impact of the COVID-19 Pandemic on STI and HIV diagnoses and engagement in treatment and prevention at a Boston Community Health Center	2022 STD Prevention Conference, Virtual

Extramural Funding

Active as PI/Project Lead (Total Award Amount Provided)

2025-2030	Role: PI	National Institute on Drug Abuse (1U01DA063213)	\$11,890,048
Responding to the Increase in Substance Use, HIV, HCV, and Overdose in New England (RISE-NE)			
The RISE New England prospective cohort study will enroll ~1200 people who use drugs (PWUD) in RI, MA, and VT and allow for the systematic examination of rapidly evolving trends in substance use, HIV, HCV, overdose, and associated comorbidities; our research and extensive community-research partnerships will inform the scale-up of evidence-based HIV prevention and treatment services for PWUD in New England and nationally.			
2021-2026	Role: PI	National Institute of Nursing Research (R01NR020227)	\$3,726,531
Efficacy of a PrEP uptake & Adherence Intervention among male sex workers using a 2-stage randomization design			
This project will test the efficacy of the PrEPare for Work intervention package in a two-stage randomized controlled trial to increase PrEP uptake and adherence among men who engage in sex work with other men in Providence, Rhode Island and Los Angeles, CA.			

2021-2026	Role: PI	National Institute of Mental Health (R34MH126894)	\$631,656
Making universal, free-of-charge antiretroviral therapy work for sexual and gender minority youth in Brazil			
This project will develop and pilot test a group-based intervention to improve ART adherence and viral suppression among sexual and gender minority youth in Rio de Janeiro, Brazil.			
2020-2026	Role: PI	National Institute on Drug Abuse (R01DA051849)	\$3,711,511
Efficacy of a community-based PrEP uptake intervention for people who inject drugs in the US Northeast			
This project will test the efficacy of PrEP for Health intervention to increase PrEP uptake and adherence among people who inject drugs (PWID) at syringe service programs in Massachusetts.			
2022-2029	Role: Project Lead	National Institute of Child Health and Human Development (UM2HD111102)	\$1,910,927
Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Scientific Leadership Center: IMPACT			
As part of the Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Scientific Leadership Center, Dr. Katie Biello and the Brown University team will lead the protocol entitled, "Hybrid Type 2 Effectiveness-Implementation Trial of Status Neutral, Behavioral Activation for Treatment of Stimulant Use Disorder Among Sexually Active Young MSM." The Brown University team will actively participate in the design, implementation and oversight, and dissemination of the study. Additionally, the Brown University team will participate in recruitment, enrollment and intervention activities for the "virtual" implementation of the intervention. Finally, the Brown University team will lead the development of manuscripts and presentations from the study.			
2023-2029	Role: Site PI	National Institute of Child Health and Human Development (UM2HD111076)	\$2,150,645
Adolescent Medicine Trials Network for HIV/AIDS Interventions - Operations and Collaborations Center: Fenway Health Site			
The ATN OCC will work collaboratively with the ATN Scientific Leadership Center and the Executive Committee in developing and implementing the ATN scientific agenda through establishing and maintaining the ATN operational infrastructure, providing organizational support, and ensuring site consortium (SC) capacity for the ATN's research projects and with external collaborations.			

Active as Co-I

2018-2028	Role: Co-I/ Developmental Core Co-Director (PI: Cu-Uvin)	National Institute of Allergy and Infectious Diseases (P30AI042853)	
Providence/Boston Center for AIDS Research			
The mission of the Providence/Boston CFAR is to promote the NIH HIV priority research agenda, including translational research to reduce the burden of HIV infection worldwide, with special focus on substance users, women, MSM, justice-involved persons, and at-risk youth.			

Completed

2019-2024	Role: Co-I (PI: Marshall)	National Institute on Drug Abuse (R01DA047975)
The Rhode Island Young Adult Prescription and Illicit Drug Study (RAPIDS): Responding to Fentanyl and Associated Harms		
This study will test the efficacy of a novel drug-checking intervention to prevent fatal and non-fatal overdose among young adults who use drugs. We will evaluate whether the incorporation of rapid fentanyl testing into a theory-driven overdose education and counseling program reduces rates of overdose compared to standard overdose education and naloxone distribution. Results from this study will significantly improve public health efforts to address the fentanyl overdose epidemic and reduce harms associated with exposure to drugs contaminated with fentanyl among young adults.		
2017-2024 (NCE)	Role: Co-I (MPI: Mimiaga/ Safren)	National Institute on Drug Abuse (R01DA042805)
Integrated Behavioral Activation and HIV Risk Reduction Counseling for MSM with Stimulant Abuse		
This application builds off of our successful formative and pilot work and is designed to assess the efficacy, in a three-arm randomized controlled trial (RCT), of Project IMPACT—a behavioral intervention to reduce high-risk sex in MSM with stimulant use disorder who are at risk for HIV acquisition.		
2017-2024	Role: Co-I (PI: Cu-Uvin/ Operario)	Fogarty International Research Training (D43TW010565)
Brown University and University of the Philippines Training Program for the Prevention of HIV in Vulnerable Populations		
The purpose of this study is to provide leadership, training and mentorship in HIV research among vulnerable populations to scientists in the Philippines in order to strengthen their capacity to carry out important research in a rapidly growing epidemic.		
2016-2023	Role: Co-I (MPI: Mimiaga/ Garofalo)	National Institute of Nursing Research (R01NR017098)
Adaptive intervention strategies trial for strengthening adherence to antiretroviral HIV treatment among youth		
The purpose of this study is to conduct a randomized controlled efficacy trial of an integrated behavioral and technology intervention to improve adherence to antiretroviral therapy in adolescents with HIV, aged 16 - 24.		
2017-2022	Role: Co-I (PI: Mayer)	National Institute of Child Health and Human Development (U19HD089881-01; R01 Sub-Project)
Life-Steps to enhance PrEP adherence in young MSM (ATN 158)		
This project is designed to test, first as a pilot and then as an RCT, a nurse-delivered intervention to improve PrEP adherence among high-risk young men who have sex with men (YMSM) in the United States.		

2016-2022	Role: PI	National Institute of Child Health and Human Development (U19HD089881-01; R01 Sub-Project)	\$1,191,425
COMPARE (Comparison of Men's Prevention Apps to Research Efficacy)			
As part of the UNC/Emory Center for Innovative Technology (iTech) across the prevention and care continuum, the efficacy of the MyChoices app and the LYNX app to increase HIV testing and PrEP uptake among young men who have sex with men will be tested in a R01-equivalent three-arm, six site randomized controlled trial.			
2017-2021	Role: Consultant (PI: Sullivan)	Centers for Disease Control and Prevention (U01PS005181)	
Engaging African American and Latino MSM for HIV testing and prevention services through technology			
This project is designed to implement a comparative effectiveness study of two technology-based products (HealthMindr and Health MPowerment) to increase uptake of HIV testing among Hispanic and Black MSM in high prevalence states across the United States.			
2014-2020	Role: Co-I (MPI: Mimiaga/Safren)	National Institute of Mental Health (R01MH100627)	
Fostering resilience to psychosocial and HIV risk in Indian MSM			
This study is testing the efficacy of a self-acceptance-based intervention in comparison to HIV / VCT on co-primary outcomes: STI incidence and reduced episodes of unprotected anal sex among HIV-infected and uninfected MSM in Chennai and Mumbai, India. The incremental cost-effectiveness of the intervention and HIV/STI VCT relative to HIV/STI VCT alone is being assessed, considering individual and public health benefits as well as downstream cost-savings due to HIV infections averted.			
2016-2020	Role: PI	National Institute of Mental Health (R34MH110369)	\$729,478
Optimizing PrEP uptake & Adherence among MSWs			
This project will pilot test the PrEPare for Work intervention package in a two-stage randomized controlled pilot trial in Providence, Rhode Island, providing preliminary data on acceptability and feasibility, and initial effect size estimates.			
2017-2020	Role: PI	National Institute of Mental Health (3R34MH110369-02S1)	\$149,872
A Supplement to Promote Diversity: Optimizing PrEP uptake & Adherence among MSWs			
Through this diversity supplement, we aim to better understand successful strategies for engaging the clients of male sex workers in HIV prevention efforts and identifying both risk and protective factors for HIV infection. Additionally, this award will enhance Mr. Edeza's doctoral training in implementing HIV prevention research and honing the necessary skills for an impactful research career.			
2016-2020	Role: PI	National Institute of Child Health and Human Development (U19HD089881-01; R21 Sub-Project ID 8784)	\$777,103
Mobile-Based Application "MyChoices" to Increase Uptake of HIV Testing, Detection of New HIV Infections, and Linkage to Care and Prevention Services by Young Men Who Have Sex With Men			

As part of the UNC/Emory Center for Innovative Technology (iTech) across the prevention and care continuum, the MyChoices app will be developed and pilot tested in an R21-equivalent study, providing preliminary data on acceptability and feasibility of the app to increase HIV testing and PrEP uptake among young men who have sex with men.

2018-2020	Role: PI	Boston/Providence Center for AIDS Research	\$50,000
Rapid Assessment of PrEP Acceptability and Need among Non-Urban PWID in the US Northeast			
In the proposed study, we will build on our recent, productive CFAR-funded collaboration (mPIs Biello and Bazzi) to meet the following specific aims: (1) Conduct qualitative interviews with 16 key informants to explore perspectives on feasibility and specific implementation considerations for PrEP delivery to PWID in “hot spot” small cities and non-urban areas in MA and RI; (2) Conduct focus groups with 80 PWID in these areas (3) Conduct daily, modified ecological momentary assessments			
2016-2017	Role: PI	Brown/Lifespan Center for AIDS Research	\$40,000
Optimizing bio-behavioral HIV prevention approaches for people who inject drugs			
This proposal aims to adapt an existing theory- and evidence-based HIV treatment adherence intervention to address the specific and complex barriers and facilitators to PrEP uptake and adherence among people who inject drugs in Boston and Providence.			
2016-2017	Role: PI	Brown University, Watson Institute Collaboration Grants	\$10,000
Exploratory research to reduce health inequalities among HIV positive adolescents in Brazil			
This is an exploratory research study to inform an intervention for HIV infected adolescents, ages 15 to 24, in Rio de Janeiro, Brazil. We will conduct formative research with community advisory board members, key informants, and HIV infected adolescents to inform the adaptation of a behavioral intervention for improving adherence to antiretroviral therapy among Brazilian youth. The resulting integrated counseling- and technology-based HIV medication adherence intervention package (called “Passos Positivos”) will serve as the basis for an NIH R application.			
2013-2017	Role: PI	National Institute on Drug Abuse (R21DA035113)	
HIV risk for MSM sex workers: A social, sexual and drug network simulation study			
This is a longitudinal epidemiological study of MSM sex worker networks in Massachusetts and Rhode Island to identify protective and risk factors that affect HIV transmission dynamics. Longitudinal data will enhance our understanding of how contemporary social, sexual, and drug abuse network characteristics contribute to increased HIV/STI spread among MSM sex workers.			
2016-2017	Role: Co-I (PI: Mayer)	MAC AIDS Foundation	
Development of an mobile-based Application to Increase Uptake of HIV Testing, Detection of New HIV Infections, and Linkage to Care and Prevention Services by Young U.S. Men who have Sex with Men			
This project is designed to develop a HIV prevention mobile-based (“app”) that will be highly acceptable to young men who have sex with men (YMSM), the U.S. population at greatest risk for acquiring HIV.			
2016-2017	Role: PI	Brown University OVPR, Grant Resubmission Award	

Optimizing PrEP uptake & Adherence among MSWs			
This grant provides support to strengthen the proposal for resubmission of an NIMH application to develop and pilot test a behavioral intervention to increase PrEP uptake and adherence among male sex workers in Providence, RI.			
2013-2015	Role: PI	National Institute for Drug Abuse (R21 DA035113)	
HIV Risk for MSM Sex Workers: A Social, Sexual, & Drug Network Simulation Study			
This project proposes to conduct a longitudinal epidemiological assessment of a sample (N = 140) of MSM sex worker networks in Massachusetts and Rhode Island to identify protective and risk factors that affect HIV transmission dynamics longitudinally.			
2013-2015	Role: PI of Harvard University CFAR award	National Institute of Allergy and Infectious Diseases (P30AI060354)	
Sexual Network of a Diverse Sample of MSM: An Acceptability and Feasibility Study			
This is a pilot study to examine the feasibility and acceptability of conducting a sociocentric sexual network study among a racially diverse, high-risk group of MSM in the greater Boston area.			
2011-2015	Role: Project Director (PI: Mimiaga)	National Institute for Drug Abuse (R21DA033720-01)	
Information technology for HIV prevention among vulnerable men in India			
This proposal is to develop and pilot test a new intervention that will use mobile phone technologies to reduce sexual risk taking among male sex workers in Chennai and Mumbai, India.			
2020-2024 (NCE)	Role: PI	National Institute of Mental Health (R34MH122499-01A1)	\$650,436
Developing and Pilot Testing an Adaptive Intervention to Facilitate PrEP Uptake and Maximize PrEP Adherence among At-Risk Transgender Women			
Informed by over a decade of formative research and programmatic work with TGW, our interdisciplinary investigator team designed the "PrEP N' Shine" intervention package that addresses multilevel barriers to PrEP uptake and adherence among TGW via two separate but complementary interventions that includes: 1) peer-led, strengths-based case management (SBCM) for PrEP linkage and uptake; and 2) a stepped-care "adaptive" technology and counseling intervention to optimize PrEP adherence and retention in PrEP-related care.			

Teaching and Mentorship

Lead Instructor

2013	EP 713: Introduction to Epidemiologic Methods	Boston University School of Public Health
2016	Lab for PHP 2090: Research Grant Writing for Public Health	Brown University School of Public Health

2018-2023	PHP 2980: Graduate Independent Study	Brown University School of Public Health
2024	PHP 2365: Public Health Topics in LGBTQ+ Communities (Co-developed syllabus and assignments; Was slated to co-instruct this course but was severely injured in an accident days before the course started and was unable to participate in lectures, etc.)	Brown University School of Public Health
2024	PHP 1915: Public Health Honors Senior Seminar	Brown University School of Public Health

Guest Lecturer

2016	PHP 2365: Public Health Issues in LGBT Populations	Brown University School of Public Health
2016	PHP 1740: Principles of Health Behavior and Health Promotion Interventions	Brown University School of Public Health
2016, 2017, 2019	PHP 2360: Designing and Evaluating Public Health Interventions	Brown University School of Public Health
2018	PHP 2361: Proseminar in Health Behavior Intervention Research	Brown University School of Public Health
2021	HSSP100B: Introduction to Epidemiology, Biostatistics and Population Health	Brandeis University
2022	PHP1550: Substance Use and Vulnerability to Addiction	Brown University School of Public Health
2023	PHP1550: Substance Use and Vulnerability to Addiction	Brown University School of Public Health
2025	PHP1550: Substance Use and Vulnerability to Addiction	Brown University School of Public Health

Mentorship

Since 2012, I have supervised and provided ongoing mentorship to more than 40 Research Associates/Project Managers, graduate students, predoctoral fellows, and postdoctoral fellows in Epidemiology or Behavioral & Social Sciences at Harvard University, Fenway Health, Boston University and Brown University.

Academic Mentees and Supervised Trainees

Duration	Trainee/Advisee	Mentorship Role	Current Position
2012-14	Nadia Abuelezam, ScD	Research Mentor, ScD student, Harvard T.H. Chan School of Public Health *Co-authored 1 pub	Associate Professor, Boston College School of Nursing
2012-14	Amaya Perez-Brumer, PhD	Research Mentor, ScM student, Harvard T.H.	Assistant Professor, University of Toronto

		Chan School of Public Health *Co-authored 6 pubs	Dalla Lana School of Public Health
2012-14	Jason Park, ScM	Research Mentor, ScM student, Harvard T.H. Chan School of Public Health	Medical student, Boston University School of Medicine
2012-16	Catie Oldenburg, MPH, ScD	Research Mentor, ScD student, Harvard T.H. Chan School of Public Health *Co-authored 15 pubs	Assistant Professor, Epidemiology, UC San Francisco
2012-18	Elizabeth F. Closson, MSc	Projects Manager *Co-authored 12 pubs	PhD candidate, London School of Hygiene & Tropical Medicine
2012-	Jackie White Hughto, PhD	Projects Manager; PhD Student; Postdoctoral Fellow; Faculty *Co-authored 13 pubs	Associate Professor, Brown School of Public Health
2013-14	Kirkpatrick Fergus	Research Assistant	Medical Student, UC San Francisco
2013-15	Cheung Hoi Cheung, MS, ScM	Research Mentor, ScM student, Harvard T.H. Chan School of Public Health	PhD student, Epidemiology, Johns Hopkins University
2013-15	Jowanna Malone	Research Assistant *Co-authored 2 pubs	Postdoctoral Fellow, Epidemiology, Johns Hopkins University
2014-16	Blake Johnson, ScM	Research Mentor, ScM student, Harvard T.H. Chan School of Public Health *Co-authored 2 pubs	Medical Resident, UT Southwestern
2015	Steven Elsesser	Research Coordinator *Co-authored 1 pub	Medical Doctor, Fenway Health
2015-16	Joshua Prenner	Research Assistant	Medical Student, University of Chicago
2016-18	Elliot Marrow	Research Assistant *Co-authored 3 pubs	PhD student, Clinical Psychology, UMass Boston
2016-17	Kelsey Anderson	Research mentor for undergraduate honors thesis *Co-authored 1 pub	Medical Doctor, Beth Israel Deaconess Medical Center
2016-17	Anna Civitarese, MPH	Master's thesis advisor	Epidemiologist, Rhode Island Department of Health

2016-18	Alexis Grant, ScM	Master's thesis advisor	PhD student, University of Illinois Chicago
2016-18	John Frank, PhD	Research mentor for post- doctoral fellowship *Co-authored 2 pubs	Director of Research and Development, Beyond Book Smart
2016-20	Ade Ogunbajo, PhD, MPH	PhD Student, secondary academic advisor / research mentor, dissertation committee member *Co-authored 7 pubs	Research Director, Us Helping Us
2016-20	Peter Salhaney, ScM	Research Assistant; Masters academic and research advisor * Co-authored 15 pubs	Project Manager, American Academy of Addiction Psychiatry
2016-20	Alberto Edeza, PhD	PhD Student, primary academic advisor / research mentor; mentor for <i>NIH Diversity Supplement</i> ; dissertation committee chair *Co-authored 17 pubs	Scientist III, Johnson & Johnson
2017-20	Christopher Santostefano, RN, MPH	Research Associate *Co-authored 7 pubs	Data Analyst, Brown School of Public Health
2017-18	Xiao ("Candy") Rui	Undergraduate thesis advisor	Program Manager, Google
2017-18	Ashley Truong	Undergraduate thesis advisor	PhD student, Johns Hopkins School of Public Health
2017-20	Harry Jin, MPH, PhD	PhD Student, research mentor; dissertation committee member *Co-authored 9 pubs	Associate Director, Real-World Evidence, Datasets, and Consulting, TriNetX
2017-20	William Goedel, PhD	PhD Student, research mentor; dissertation committee member *Co-authored 6 pubs	Assistant Professor, Brown School of Public Health
2018	Janine Bacic, PhD	PhD Student, dissertation external reader	Assistant Professor, Brown School of Medicine
2018-22	Pablo Kokay Valente, MD, MPH, PhD	PhD Student, Primary academic advisor / research mentor; dissertation committee chair *Co-authored 21 pubs	Assistant Professor (Tenure Track), Allied Health Sciences, University of Connecticut

2019-24	William Lodge II, MS	PhD Student, Primary academic advisor / research mentor; dissertation committee chair; mentor for <i>NIH R36 Dissertation Award</i> ; *Co-authored 4 pubs	Assistant Professor (Tenure Track), Cornell University Brooks School of Public Policy
2019-24	Amiel Bermudez, PhD, MD, MPH	Primary academic advisor; dissertation committee chair *Co-authored 1 pub	Associate Professor, University of the Philippines, Manila
2019-22	Lynne Klasko-Foster, PhD	Research mentor for post-doctoral fellowship *Co-authored 6 pubs	Social and Implementation Scientist, Johnson & Johnson
2019-20	Jennifer Katz	Undergraduate thesis reader	Research Analyst, Women In Need, Inc.
2020-22	Olivia Sison, ScM	Master's thesis advisor *Co-authored 1 pub	Assistant Professor, Institute of Clinical Epidemiology, University of the Philippines Manila
2021-24	Tyler Alexander	Undergraduate research mentor, Leadership Alliance; MPH Graduate Research Assistant Advisor; MPH thesis reader	MPH Student, Health Equity Scholars Program, Brown School of Public Health
2021-22	Nicholle Igbinyemi	MPH thesis reader	MPH student, Brown School of Public Health
2021-24	Shayla Nolen, PhD	PhD student, dissertation committee member	Postdoctoral Fellow, Yale University
2022-24	John Guigayoma, PhD	PhD student, academic advisor / research mentor, dissertation committee member *Co-authored 1 pub	Postdoctoral Fellow, Northwestern University
2022-23	Tori Davis	MPH thesis advisor	MPH student, Brown School of Public Health
2022-23	Jessica Schueler	MPH thesis advisor	MPH student, Brown School of Public Health
2022-23	Jalisa Stanislaus	MPH thesis reader	MPH student, Brown School of Public Health

2022-	Arryn Guy, PhD	NIH K99/00 Research Mentor	Assistant Professor, Illinois Institute of Technology
2022-	Patrick Kelly, MPH	PhD student, academic advisor / research mentor *Co-authored 1 pub	PhD student, Brown School of Public Health
2022-	Siena Napoleon, MPH	PhD student, academic advisor / research mentor / dissertation committee chair	PhD student, Brown School of Public Health
2022-23	Danae Lopez	Undergraduate research advisor	Presidential Fellow, Brown University
2023	Samantha Rosario	Undergraduate research advisor	Presidential Fellow, Brown University
2023-24	Eulalia Karina Santamaria	PhD Student, dissertation committee chair *Co-authored 1 pub	PhD student, Brown School of Public Health
2024-	Daniel Mayo, MPH	PhD student, academic advisor / research mentor / dissertation committee chair	PhD student, Brown School of Public Health
2025-	Jade Ravare, BS	MPH Graduate Research Assistant Advisor	MPH Student, Health Equity Scholars Program, Brown School of Public Health
2025-	Erin Kim	Undergraduate research advisor / independent study co-lead	Emerging Infectious Disease and HIV Scholar Program (HEIDS) Fellow
2025-	Cailin Clemons, MPH	Academic advisor	PhD student, Brown School of Public Health
2025-	Leah Shaw, MPH	PhD student, research assistantship supervisor / oral exam chair / dissertation committee member	PhD student, Brown School of Public Health
2025-	Iju Shakya, MPH	PhD student, research assistantship supervisor	PhD student, Brown School of Public Health
2025-	Enver Hayes, MPH	PhD student, research assistantship supervisor	PhD student, Brown School of Public Health
2025-	Kadija Tahlil, PhD	Postdoctoral fellow supervisor	Fellow, Brown University

2026-

Katherine Dunham, MPH

PhD student, research
assistantship supervisor

PhD student, Brown
School of Public
Health