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Brown University School of Public Health
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EDUCATION

Doctor of Philosophy, Major in Epidemiology

Brown University School of Public Health
Advisor: Brandon D.L. Marshall, Ph.D.

09/2017 – 05/2020
Providence, Rhode Island

Bachelor of Arts, Major in Global Public Health

New York University College of Global Public Health
Advisor: Jennifer L. Jennings, Ph.D.

09/2013 – 05/2017
New York, New York

EMPLOYMENT

Epidemiologist/Evaluator (Consultant)

Rhode Island Department of Health
Center for Health Data and Analysis

06/2022 – Present
Providence, Rhode Island

Assistant Professor

Graduate Research Assistant

Brown University School of Public Health
Department of Epidemiology

06/2020 – Present
09/2017 – 05/2020
Providence, Rhode Island

Program Manager

Research Assistant

New York University School of Medicine
Department of Population Health

04/2016 – 08/2017
06/2014 – 03/2016
New York, New York

Research Assistant

Columbia University Mailman School of Public Health
Department of Sociomedical Sciences

05/2015 – 08/2017
New York, New York

Sexual and Gender Minority Population Health Specialist

New York University Student Health Center
Division of Public Health Initiatives and Assessments

11/2015 – 02/2017
New York, New York

FACULTY AFFILIATIONS

Brown University

Center for Epidemiologic Research
Providence-Boston Center for AIDS Research
Spatial Structures in the Social Sciences (S4) Program
People, Place, and Health Collective

2020 to Present
2020 to Present
2020 to Present
2021 to Present

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Public Health Association	2015 to Present
Rhode Island Public Health Association	2017 to Present
Out in Science, Technology, Engineering, and Mathematics	2018 to Present
Society for Epidemiologic Research	2018 to Present
International AIDS Society	2018 to Present
Models of Infectious Disease Agent Studies Network	2019 to Present
Interdisciplinary Association for Population Health Science	2021 to Present

PUBLICATIONS

A. Book Chapters

1. Duncan DT, **Goedel WC**, Chunara R. Quantitative Methods for Measuring Neighborhood Characteristics. In: Duncan DT, Kawachi I, eds. *Neighborhoods and Health*. 2nd ed. New York: Oxford University Press; 2018.
2. Millar BM, **Goedel WC**, Duncan DT. Sleep Health Among Sexual and Gender Minorities. In: Duncan DT, Kawachi I, Redline S, eds. *The Social Epidemiology of Sleep*. 1st ed. New York: Oxford University Press; 2019.
3. Duncan DT, Al-Ajlouni YA, **Goedel WC**, Chaix B. Connecting Neighborhoods and Health: Methodological Approaches and Substantive Evidence. In: Wallace RB, Boulton ML, eds. *Maxcy-Rosenau-Last Public Health and Preventive Medicine*. 16th ed. New York: McGraw-Hill Education; 2021.

B. Peer-Reviewed Publications

1. **Goedel WC**, Duncan DT. Geosocial-networking app usage patterns of gay, bisexual, and other men who have sex with men: Survey among users of Grindr, a mobile dating app. *JMIR Public Health and Surveillance*. 2015 May; 1(1): e4. doi: 10.2196/publichealth.4353.
2. Duncan DT, Kapadia F, Regan SD, **Goedel WC**, Levy MD, Barton SC, Friedman SR, Halkitis PN. Feasibility and acceptability of global positioning system (GPS) methods to study the spatial contexts of substance use and sexual risk behaviors among young men who have sex with men in New York City: A P18 Cohort sub-study. *PLoS One*. 2016 Feb; 11(2): e0147520. doi: 10.1371/journal.pone.0147520.
3. **Goedel WC**, Halkitis PN, Greene RE, Hickson DA, Duncan DT. HIV risk behaviors, perceptions, and testing and preexposure prophylaxis (PrEP) awareness/use in Grindr-using men who have sex with men in Atlanta, Georgia. *Journal of the Association of Nurses in AIDS Care*. 2016 Mar-Apr; 27(2): 133-412. doi: 10.1016/j.jana.2015.11.005.
4. **Goedel WC**, Halkitis PN, Duncan DT. Behavior- and partner-based HIV risk perception and sexual risk behaviors in men who have sex with men (MSM) who use geosocial-networking smartphone applications in New York City. *Journal of Urban Health*. 2016 Apr; 93(2): 400-406. doi: 10.1007/s11524-016-0043-z.
5. **Goedel WC**, Halkitis PN, Greene RE, Duncan DT. Correlates of awareness of and willingness to use pre-exposure prophylaxis (PrEP) in gay, bisexual, and other men who have sex with men who use geosocial-networking smartphone applications in New York City. *AIDS & Behavior*. 2016 Jul; 20(7): 1435-1442. doi: 10.1007/s10461-016-1353-6.

6. **Goedel WC**, Brooks FA, Duncan DT. Approaches to sampling gay, bisexual, and other men who have sex with men from geosocial-networking smartphone applications: A methodological note. *Social Sciences*. 2016 Sep; 5(4): 51. doi: 10.3390/socsci5040051.
7. **Goedel WC**, Duncan DT. Contextual factors in geosocial-networking smartphone application use and engagement in condomless anal intercourse among gay, bisexual, and other men who have sex with men who use Grindr. *Sexual Health*. 2016 Nov; 13(6): 549-554. doi: 10.1071/SH16008.
8. Duncan DT, **Goedel WC**, Mayer KH, Safren SA, Palamar JJ, Hagen D, Jean-Louis G. Poor sleep health and its association with mental health, substance use, and condomless anal intercourse among gay, bisexual, and other men who have sex with men. *Sleep Health*. 2016 Dec; 2(4): 316-321. doi: 10.1016/j.sleh.2016.07.003.
9. Davis SLM, **Goedel WC**, Emerson J, Güven BS. Punitive laws, key population size estimates, and Global AIDS Response Progress Reports: An ecological study of 154 countries. *Journal of the International AIDS Society*. 2017 Mar; 20(1): 21386. doi: 10.7448/IAS.20.1.21386.
10. **Goedel WC**, Hickson DA, Duncan DT. Identification and involvement with the gay community among men who have sex with men in Atlanta who use geosocial-networking smartphone applications. *Journal of Gay and Lesbian Mental Health*. 2017 Mar; 21(3): 248-255. doi: 10.1080/19359705.2017.1298544.
11. **Goedel WC**, Krebs P, Greene RE, Duncan DT. Associations between perceived weight status, body dissatisfaction, and self-objectification on sexual sensation seeking and sexual risk behaviors among men who have sex with men using Grindr. *Behavioral Medicine*. 2017 Apr-Jun; 43(2): 142-150. doi: 10.1080/08964289.2015.1121130.
12. **Goedel WC**, Hagen D, Halkitis PN, Greene RE, Griffin-Tomas M, Brooks FA, Hickson DA, Duncan DT. Post-exposure prophylaxis awareness and use among men who have sex with men in London who use geosocial-networking smartphone applications. *AIDS Care*. 2017 May; 29(5): 579-586. doi: 10.1080/09540121.2016.1259455.
13. **Goedel WC**, Schneider JA, Hagen D, Duncan DT. Serodiscussion, perceived seroconcordance, and sexual risk behaviors among dyads of men who have sex with men who use geosocial-networking smartphone applications in London. *Journal of the International Association of Providers of AIDS Care*. 2017 May/June; 16(3): 233-238. doi: 10.1177/2325957416682090.
14. Duncan DT, Park S, **Goedel WC**, Kreski NT, Morganstein JG, Hambrick HR, Jean-Louis G, Chaix B. Perceived neighborhood safety is associated with poor sleep health among gay, bisexual, and other men who have sex with men in Paris, France. *Journal of Urban Health*. 2017 Jun; 94(3): 399-407. doi: 10.1007/s11524-017-0148-z.
15. Duncan DT, Park S, Al-Ajlouni YA, Hale L, Jean-Louis G, **Goedel WC**, Chaix B, Elbel B. Association of financial hardship with poor sleep health outcomes among men who have sex with men. *SSM – Population Health*. 2017 Jul; 3: 594-599. doi: 10.1016/j.ssmph.2017.07.006.
16. **Goedel WC**, Safren SA, Mayer KH, Duncan DT. Community-level norms and condomless anal intercourse among gay, bisexual, and other men who have sex with men who use geosocial-networking smartphone applications in the Deep South. *Journal of HIV/AIDS and Social Services*. 2017 Jul; 16(4): 382-389. doi: 10.1080/15381501.2017.1344599.

17. **Goedel WC**, Reisner SL, Janssen AC, Poteat TC, Regan SD, Kreski NT, Confident G, Duncan DT. Acceptability and feasibility of using a novel geospatial method to measure neighborhood contexts and mobility among transgender women in New York City. *Transgender Health*. 2017 Jul; 2(1): 96-106. doi: 10.1089/trgh.2017.0003.
18. Duncan DT, Kapadia F, Kirchner TR, **Goedel WC**, Brady WJ, Halkitis PN. Acceptability of ecological momentary assessment among young men who have sex with men. *Journal of LGBT Youth*. 2017 Sep; 14(4): 436-444. doi: 10.1080/19361653.2017.1365038.
19. Duncan DT, **Goedel WC**, Williams JH, Elbel B. Acceptability of smartphone text- and voice-based ecological momentary assessment (EMA) methods among low-income housing residents in New York City. *BMC Research Notes*. 2017 Oct; 10(1), 517. doi: 10.1186/s13104-017-2850-z.
20. **Goedel WC**, Mitchell JW, Krebs P, Duncan DT. Willingness to use mobile phone apps for HIV prevention among men who have sex with men in London: Web-based survey. *JMIR mHealth and uHealth*. 2017 Oct; 5(10): e153. doi: 10.2196/mhealth.8143.
21. Duncan DT, Park S, Schneider JA, Al-Ajlouni YA, **Goedel WC**, Elbel B, Morganstein JG, Ransome Y, Mayer KH. Financial hardship, condomless anal intercourse, and HIV risk among men who have sex with men. *AIDS & Behavior*. 2017 Dec; 21(12): 3478-3485. doi: 10.1007/s10461-017-1930-3.
22. Hambrick HR, Park S, **Goedel WC**, Morganstein JG, Kreski NT, Mgbako O, Duncan DT. Rectal douching among men who have sex with men in Paris: Implications for HIV/STI risk behaviors and rectal microbicide development. *AIDS & Behavior*. 2018 Feb; 22(2): 379-387. doi: 10.1007/s10461-017-1873-8.
23. Duncan DT, **Goedel WC**, Stults CB, Brady WJ, Brooks FA, Blakely JS, Hagen D. A study of intimate partner violence, substance abuse, and sexual risk behaviors among gay, bisexual, and other men who have sex with men in a sample of geosocial-networking smartphone application users. *American Journal of Men's Health*. 2018 Mar; 12(2), 292-301. doi: 10.1177/1557988316631964.
24. **Goedel WC**, Duncan DT. Correlates of engagement in group sex events among men who have sex with men in London who use geosocial-networking smartphone applications. *International Journal of STDs & AIDS*. 2018 Mar; 29(3): 244-250. doi: 10.1177/0956462417722478.
25. Park S, Al-Ajlouni YA, Palamar JJ, **Goedel WC**, Estreet A, Elbel B, Sherman SE, Duncan DT. Financial hardship and drug use among men who have sex with men. *Substance Abuse, Treatment, Prevention, and Policy*. 2018 May; 13(1): 19. doi: 10.1186/s13011-018-0159-0.
26. Duncan DT, Park S, Hambrick HR, Dangerfield DT, **Goedel WC**, Brewer RA, Mgbako O, Lindsey J, Regan SD, Hickson DA. Characterizing geosocial-networking app use among young Black men who have sex with men: A multi-city cross-sectional survey in the Southern United States. *JMIR mHealth and uHealth*. 2018 Jun; 6(6): e10316. doi: 10.2196/10316.
27. Kreski NT, Park S, Safren SA, **Goedel WC**, Morganstein JG, Chaix B, Duncan DT. Is neighborhood safety associated with depression symptoms, anxiety symptoms, and psychological distress among gay, bisexual, and other men who have sex with men? *Journal of Gay and Lesbian Mental Health*. 2018 Jul; 22(3): 243-260. doi: 10.1080/19359705.2018.1463583.

28. Duncan DT, Chaix B, Regan SD, Park S, Draper C, **Goedel WC**, Gipson JA, Guilamo-Ramos V, Halkitis PN, Brewer RA, Hickson DA. Collecting mobility data using GPS methods to understand the HIV environmental riskscape among young Black men who have sex with men: A multi-city study feasibility study in the Deep South. *AIDS & Behavior*. 2018 Sep; 22(9): 3057-3070. doi: 10.1007/s10461-018-2163-9.
29. Marshall BDL, **Goedel WC**, King MRF, Singleton A, Durham DP, Chan PA, Townsend JP, Galvani AP. Potential effectiveness of long-acting injectable pre-exposure prophylaxis for HIV prevention in men who have sex with men: A modeling study. *The Lancet HIV*. 2018 Sep; 5(9): e498-e505. doi: 10.1016/S2352-3018(18)30097-3.
30. **Goedel WC**, Schneider JA, Hambrick HR, Kreski NT, Morganstein JG, Park S, Mgbako O, Duncan DT. Are anal sex roles associated with preferences for pre-exposure prophylaxis administration modalities among men who have sex with men? *Archives of Sexual Behavior*. 2018 Oct; 47(7): 2123-2133. doi: 10.1007/s10508-017-1083-5.
31. Griffiths S, Brennan L, O’Gorman B, **Goedel WC**, Sheffield J, Bastian B, Barlow FK. Experiences of weightism among sexual minority men: Relationships with body mass index, body dissatisfaction, and psychological quality of life. *Social Science & Medicine*. 2018 Oct; 214: 35-40. doi: 10.1016/j.socscimed.2018.08.018.
32. Mountcastle HD, Park S, Al-Ajlouni YA, **Goedel WC**, Cook SH, Lupien S, Obasi EM, Hale L, Jean-Louis G, Redline S, Duncan DT. Stress levels are associated with poor sleep health among sexual minority men in Paris, France. *Sleep Health*. 2018 Oct; 4(5): 436-441. doi: 10.1016/j.sleh.2018.07.007.
33. Al-Ajlouni YA, Park S, Schneider JA, **Goedel WC**, Hambrick HR, Hickson DA, Cantor MN, Duncan DT. Partner meeting venue typology and sexual risk behaviors among French men who have sex with men. *International Journal of STDs & AIDS*. 2018 Nov; 29(13): 1282-1288. doi: 10.1177/0956462418775524.
34. **Goedel WC**, King MRF, Lurie MN, Nunn AS, Chan PA, Marshall BDL. Effect of racial inequities in pre-exposure prophylaxis use on racial disparities in HIV incidence among men who have sex with men: A modeling study. *Journal of Acquired Immune Deficiency Syndromes*. 2018 Nov; 79(3): 323-329. doi: 10.1097/QAI.0000000000001817.
35. Krieger MS, **Goedel WC**, Buxton JA, Lysyshyn M, Bernstein E, Sherman SG, Rich JD, Hadland SE, Green TC, Marshall BDL. Use of rapid fentanyl test strips among young adults who use drugs. *International Journal of Drug Policy*. 2018 Nov; 61: 52–58. doi: 10.1016/j.drugpo.2018.09.009.
36. **Goedel WC**, Mayer KH, Mimiaga MJ, Duncan DT. Considerable interest in pre-exposure prophylaxis uptake among men who have sex with men recruited from a popular geosocial-networking smartphone application in London. *Global Public Health*. 2019 Jan; 14(1): 112-121. doi: 10.1080/17441692.2017.1391859.
37. Duncan DT, Park S, **Goedel WC**, Sheehan DM, Regan SD, Chaix B. Acceptability of smartphone applications for global positioning system (GPS) and ecological momentary assessment (EMA) protocols among sexual minority men. *PLoS One*. 2019 Jan; 14(1): e0210240. doi: 10.1371/journal.pone.0210240.
38. Callander D, Park S, Schneider JA, Khan MR, Kreski NT, Hambrick HR, **Goedel WC**, Duncan DT. City of love: Group sex is associated with risks for HIV and other sexually transmissible infections among gay and bisexual men in Paris, France. *Sexual Health*. 2019 Apr; 16(2): 192-194. doi: 10.1071/SH18181.
39. **Goedel WC**, Green TC, Viner-Brown S, Rich JD, Marshall BDL. Increased overdose mortality during the first week of

- the month: Revisiting the “check effect” through a spatial lens. *Drug and Alcohol Dependence*. 2019 Apr; 197: 49-55. doi: 10.1016/j.drugalcdep.2018.12.024.
40. Duncan DT, Hickson DA, **Goedel WC**, Callander D, Brooks B, Chen Y, Hanson H, Eavou R, Khanna AS, Chaix B, Regan SD, Wheeler DP, Mayer KH, Safren SA, Carr Melvin S, Draper C, Magee-Jackson V, Brewer RA, Schneider JA. The social context of HIV prevention and care among Black men who have sex with men in three U.S. cities: The Neighborhoods and Networks (N2) Cohort Study. *International Journal of Environmental Research and Public Health*. 2019 May; 16(11). doi: 10.3390/ijerph16111922.
 41. Mgbako O, Park S, Mayer KH, Schneider JA, **Goedel WC**, Hambrick HR, Duncan DT. Transactional sex and preferences for pre-exposure prophylaxis (PrEP) modalities among men who have sex with men (MSM). *Journal of Sex Research*. 2019 May-Jun; 56(4-5): 650-658. doi: 10.1080/00224499.2018.1449190.
 42. Al-Ajlouni YA, Park S, Schrimshaw EW, **Goedel WC**, Duncan DT. Association between sexually explicit messages and sleep health among French sexual minority men. *Journal of Gay and Lesbian Social Services*. 2019 Jun; 31(3): 358-369. doi: 10.1080/10538720.2019.1615589.
 43. Dubin S, **Goedel WC**, Park S, Hambrick HR, Schneider JA, Duncan DT. Perceived candidacy for pre-exposure prophylaxis (PrEP) among men who have sex with men in Paris, France. *AIDS & Behavior*. 2019 Jul; 23(7): 1771-1779. doi: 10.1007/s10461-018-2279-y.
 44. Harry-Hernández SM, Park S, Mayer KH, Kreski NT, **Goedel WC**, Hambrick HR, Brooks B, Guilamo-Ramos V, Duncan DT. Sex tourism, condomless anal intercourse, and HIV risk among men who have sex with men. *Journal of the Association of Nurses in AIDS Care*. 2019 Jul-Aug; 30(4): 405-414. doi: 10.1097/JNC.000000000000018.
 45. **Goedel WC**, Marshall BDL, Spangler KR, Alexander-Scott N, Green TC, Wellenius GA, Weinberger KR. Increased risk of opioid overdose death following cold weather: A case-crossover study. *Epidemiology*. 2019 Sep; 30(5): 637-641. doi: 10.1097/EDE.0000000000001041.
 46. Chan PA, **Goedel WC**, Nunn AS, Sowemimo-Coker G, Galárraga O, Prosperi MCF, Patel RR, Mena LA, Montgomery MC, Marshall BDL. Potential impact of interventions to enhance retention in care during real-world HIV pre-exposure prophylaxis implementation. *AIDS Patient Care & STDs*. 2019 Oct; 33(10): 434-439. doi: 10.1089/apc.2019.0064.
 47. **Goedel WC**, Chan PA, King MRF, Prosperi MCF, Marshall BDL, Galárraga O. Cost-effectiveness of a statewide pre-exposure prophylaxis program for gay, bisexual, and other men who have sex with men. *Rhode Island Medical Journal*. 2019 Nov; 102(9): 36-39.
 48. **Goedel WC**, Marshall BDL, Samuels ES, Brinkman MG, Dettor D, Langdon KJ, Mahoney LA, Merchant RC, Nizami T, O'Toole GA, Ramsey SE, Yedinak JL, Beaudoin FL. Randomised clinical trial of an emergency department-based peer recovery support intervention to increase treatment uptake and reduce recurrent overdose among individuals at high risk for opioid overdose: Study protocol for the Navigator Trial. *BMJ Open*. 2019 Nov; 9(11): e032052. doi: 10.1136/bmjopen-2019-032052.
 49. **Goedel WC**, Nunn AS, Chan PA, Duncan DT, Biello KB, Safren SA, Marshall BDL. A shot at equity? Addressing disparities among Black MSM in the coming era of long-acting injectable preexposure prophylaxis. *AIDS*. 2019 Nov; 33(13): 2110-2112. doi: 10.1097/QAD.0000000000002341.

50. **Goedel WC**, Regan SD, Chaix B, Radix A, Reisner SL, Janssen AC, Duncan DT. Using global positioning system methods to explore mobility patterns and exposure to high HIV prevalence neighborhoods among transgender women in New York. *Geospatial Health*. 2019 Nov; 14(2): 351-356. doi: 10.4081/gh.2019.752.
51. Yedinak JL, **Goedel WC**, Paull K, Lebeau R, Krieger MS, Thompson C, Buchanan AL, Coderre T, Boss R, Rich JD, Marshall BDL. Defining a recovery-oriented cascade of care for opioid use disorder: A community-driven, statewide cross-sectional assessment. *PLoS Medicine*. 2019 Nov; 16(11): e1002963. doi: 10.1371/journal.pmed.1002963.
52. Biello KB, **Goedel WC**, Edeza A, Safren SA, Mayer KH, Marshall BDL, Latkin CA, Mimiaga MJ. Network-level correlates of sexual risk among male sex workers in the United States: A dyadic analysis. *Journal of Acquired Immune Deficiency Syndromes*. 2020 Feb; 83(2): 111-118. doi: 10.1097/QAI.0000000000002230.
53. Macmadu A, **Goedel WC**, Adams JW, Brinkley-Rubinstein L, Green TC, Clarke JG, Martin RA, Rich JD, Marshall BDL. Estimating the impact of wide scale uptake of screening and medications for opioid use disorder in US prisons and jails. *Drug and Alcohol Dependence*. 2020 Mar; 208: 107858. doi: 10.1016/j.drugalcdep.2020.107858.
54. **Goedel WC**, King MRF, Lurie MN, Galea S, Townsend JP, Galvani AP, Friedman SR, Marshall BDL. Implementation of syringe services programs to prevent rapid human immunodeficiency virus transmission in rural counties in the United States: A modeling study. *Clinical Infectious Diseases*. 2020 Mar; 70(6): 1096-1102. doi: 10.1093/cid/ciz321.
55. Restar AJ, Jin H, Ogunbajo A, **Goedel WC**, Millett GA, Sherwood J, Kuhns LM, Reisner SL, Garofalo R, Mimiaga MJ. Prevalence and risk factors of nonmedical prescription opioid use among transgender girls and young women. *JAMA Network Open*. 2020 Mar; 3(3): e201015. doi: 10.1001/jamanetworkopen.2020.1015.
56. **Goedel WC**, Jin H, Suttan Coats C, Ogunbajo A, Restar AJ. Predictors of user engagement with Facebook posts generated by a national sample of lesbian, gay, bisexual, transgender, and queer community centers in the United States: Content analysis. *JMIR Public Health and Surveillance*. 2020 Sep; 6(1): e16382. doi: 10.2196/16382.
57. **Goedel WC**, Mimiaga MJ, King MRF, Safren SA, Mayer KH, Chan PA, Marshall BDL, Biello KB. Potential impact of targeted HIV pre-exposure prophylaxis uptake among male sex workers. *Scientific Reports*. 2020 Mar; 10(1): 5650. doi: 10.1038/s41598-020-62694-5.
58. **Goedel WC**, Shapiro A, Cerdá M, Tsai JW, Hadland SE, Marshall BDL. Association of racial/ethnic segregation and treatment capacity for opioid use disorder in United States counties. *JAMA Network Open*. 2020 Apr; 3(4): e203711. doi: 10.1001/jamanetworkopen.2020.3711.
59. Nunn AS, **Goedel WC**, Gomillia CE, Suttan Coats C, Patel RR, Murphy MJ, Chu CT, Chan PA, Mena LA. False information on PrEP in direct-to-consumer advertising. *The Lancet HIV*. 2020 Jul; 7(7): e455-e456. doi: 10.1016/S2352-3018(20)30034-5.
60. Kim B, Regan SD, Callander D, **Goedel WC**, Chaix B, Duncan DT. Associations of spatial mobility with sexual risk behaviors among young men who have sex with men in New York City: A global positioning system study. *Social Science & Medicine*. 2020 Aug; 258: 113060. doi: 10.1016/j.socscimed.2020.113060.
61. **Goedel WC**, Bessey S, Lurie MN, Biello KB, Sullivan PS, Nunn AS, Marshall BDL. Projecting the impact of equity-based pre-exposure prophylaxis implementation on racial disparities in HIV incidence among men who have sex with men. *AIDS*. 2020 Aug; 34(10): 1509-1517. doi: 10.1097/QAD.0000000000002577.

62. Tao J, Montgomery MC, Chu CT, Sosnowy C, Almonte A, **Goedel WC**, Silva ES, Reisopoulos A, Marshall SA, Zaller ND, Rogers BG, Nunn AS, Marshall BDL, Chan PA. HIV pre-exposure prophylaxis awareness and use among men who have sex with men only and men who have sex with both men and women. *AIDS Patient Care & STDs*. 2020 Aug; 34(8): 327–330. doi: 10.1089/apc.2020.0072.
63. Chen Y, Duncan DT, Issema R, **Goedel WC**, Callander D, Bernard-Herman B, Hanson H, Eavou R, Schneider JA, Hotton A. Social-environmental resilience, PrEP uptake, and viral suppression among young Black men who have sex with men and young Black transgender women: The Neighborhoods and Networks (N2) Study in Chicago. *Journal of Urban Health*. 2020 Oct; 97(5): 728–738. doi: 10.1007/s11524-020-00425-x.
64. Jin H, Restar AJ, **Goedel WC**, Ogunbajo A, Biello KB, Operario D, Kuhns LM, Reisner SL, Garofalo R, Mimiaga MJ. Maternal support is protective against suicidal ideation among a diverse cohort of young transgender women. *LGBT Health*. 2020 Oct; 7(7): 349–357. doi: 10.1089/lgbt.2020.0219.
65. Ogunbajo A, Restar AJ, Edeza A, **Goedel WC**, Jin H, Iwuagwu S, Williams R, Abubakari M, Biello KB, Mimiaga MJ. Poor sleep quality is associated with increased mental health problems, substance use, and HIV sexual risk behavior in a large, multi-state sample of gay, bisexual, and other men who have sex with men (GBMSM) in Nigeria, Africa. *Sleep Health*. 2020 Oct; 6(5) 662–670. doi: 10.1016/j.sleh.2020.02.010.
66. Duncan DT, Regan SD, Park S, **Goedel WC**, Kim B, Barton SC, Halkitis PN, Chaix B. Assessment of spatial mobility among young men who have sex with men within and across high HIV prevalence neighborhoods in New York City: The P18 Neighborhood Study. *Spatial and Spatiotemporal Epidemiology*. 2020 Nov; 35: 100356. doi: 10.1016/j.sste.2020.100356.
67. Singleton AL, Marshall BDL, Zang X, Nunn AS, **Goedel WC**. Added benefits of pre-exposure prophylaxis use on HIV incidence with minimal changes in efficiency in the context of high treatment engagement among men who have sex with men. *AIDS Patient Care & STDs*. 2020 Dec; 34(12): 506–515. doi: 10.1089/apc.2020.0151.
68. **Goedel WC**, Marshall BDL, Galvani AP. Universal health care needed to end the HIV epidemic in the United States. *The Lancet HIV*. 2021 Feb; 8(2): e63–e64. doi: 10.1016/S2352-3018(20)30342-8.
69. Singleton AL, Marshall BDL, Bessey S, Harrison MT, Galvani AP, Yedinak JL, Jacka BP, Goodreau SM, **Goedel WC**. Network structure and rapid HIV transmission among people who inject drugs: A simulation-based analysis. *Epidemics*. 2021 March; 34: 100426. doi: 10.1016/j.epidem.2020.100426.
70. Murphy MJ, Tao J, **Goedel WC**, Berk J, Chu CT, Nunn AS, Sosnowy CD, Chan PA. Characterizing substance use among men who have sex with men presenting to a sexually transmitted infection clinic. *International Journal of STDs & AIDS*. 2021 Mar; 32(4): 414–321. doi: 10.1177/0956462420965076.
71. Chan PA, King E, Xu Y, **Goedel WC**, Lasher L, Vargas M, Brindamour K, Huard RC, Clyne A, McDonald JV, Bandy U, Yokum DV, Chambers LC, Napoleon SC, Rogers ML, Alexander-Scott N, Hogan JW. Seroprevalence of SARS-CoV-2 antibodies in Rhode Island: A population-based study. *American Journal of Public Health*. 2021 Apr; 111(4): 700–703. doi: 10.2105/AJPH.2020.306115.
72. Green TC, Kaplowitz E, Fraser G, Langdon KG, White-Hughto JM, **Goedel WC**, Czysnki AJ, Rich JD. The COBRE on Opioids and Overdose: A collaborative research-based center combating the opioid crisis in Rhode Island. *Rhode Island*

73. **Goedel WC**, Suttan Coats C, Sowemimo-Coker G, Moitra E, Murphy MJ, van den Berg JJ, Chan PA, Nunn AS. Gay and bisexual men's recommendations for effective digital social marketing campaigns to enhance HIV prevention and treatment service engagement. *AIDS & Behavior*. 2021 May; 25(5): 1619–1625. doi: 10.1007/s10461-020-03078-8.
74. Buchanan AL, Bessey S, **Goedel WC**, King MRF, Murray EJ, Friedman SR, Halloran ME, Marshall BDL. Disseminated effects in agent-based models: A potential outcomes framework to inform pre-exposure prophylaxis coverage levels for HIV prevention. *American Journal of Epidemiology*. 2021 May; 190(5): 939-948. doi: 10.1093/aje/kwaa239.
75. Quan AM, Mah C, Krebs E, Zang X, Chen S, Althoff KN, Armstrong WS, Behrends CN, Dombrowski J, C Enns EA, Feaster DJ, Gebo KA, **Goedel WC**, Golden MR, Marshall BDL, Mehta SH, Pandya A, Schackman BR, Strathdee SA, Sullivan PS, Tookes HE, Nosyk B. Improving health equity and ending the HIV epidemic in the United States: A distributional cost-effectiveness analysis in six cities. *The Lancet HIV*. 2021 Sep; 8(9): e581–e590. doi: 10.1016/S2352-3018(21)00147.
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97. Cartus AR, **Goedel WC**, Jent VA, Macmadu A, Pratty CE, Hallowell BD, Allen B, Li Y, Cerdá M, Marshall BDL. Neighborhood-level association between release from incarceration and fatal overdose, Rhode Island, 2016–2020. *Drug and Alcohol Dependence*. 2023 Apr; Available online ahead of print. doi: 10.1016/j.drugalcdep.2023.109867.
98. Allen B, Neill DB, Schell RC, Ahern J, Hallowell BD, Krieger MS, Jent VA, **Goedel WC**, Cartus AR, Yedinak JL, Pratty CE, Marshall BDL, Cerdá M. Translating predictive analytics for public health practice: A case study of overdose prevention in Rhode Island. *American Journal of Epidemiology*. 2023 Mar; In Print.

ARTICLES IN POPULAR MEDIA

1. Gibson D. New study: Syringe service providers could have prevented the Scott County HIV outbreak [Internet]. New York, New York: Filter Magazine; 2019. Available from: <https://filtermag.org/new-study-syringe-service-providers-could-have-prevented-the-scott-county-hiv-outbreak/>.
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3. Shihipar A, **Goedel WC**, Gurulé S. ICE is putting people who were released due to COVID-19 concerns back in jails. The decision is dangerous as the country enters another wave [Internet]. New York, New York: Business Insider; 2020. Available from: <https://www.businessinsider.com/ice-arrests-covid-19-pandemic-decarceration-prison-third-wave-2020-11>.
4. **Goedel WC**. How to avoid fentanyl overdoses while going [Internet]. New York, New York: them; 2021. Available from: <https://www.them.us/story/how-to-avoid-fentanyl-overdoses-while-going-out>.

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8. Meininger K. School of Public Health panel highlights new initiatives, areas of focus [Internet]. Providence, Rhode Island: Brown Daily Herald; 2022. Available from: <https://www.browndailyherald.com/article/2022/09/meininger-sph-state-of-school>.
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10. Hayes J. Meeting the moment [Internet]. Providence, Rhode Island: Continuum, Magazine of the Brown University School of Public Health; 2022. Available from: <https://brownpublichealthmagazine.org/2022/11/mpox/>.
11. Shihipar A, **Goedel WC**, Cartus AR. It's not just COVID. Flu and RSV mean masks need to come back [Internet]. New York, New York: NBC News; 2022. Available from: <https://www.nbcnews.com/think/opinion/holiday-travel-covid-rsv-flu-means-time-bring-mask-mandates-back-rcna58186>.
12. Shihipar A, **Goedel WC**, Cartus AR. America isn't prepared for the end of the COVID emergency [Internet]. Boston, Massachusetts: Boston Globe; 2023. Available from: <https://www.bostonglobe.com/2023/02/09/opinion/america-isnt-prepared-end-covid-emergency/>.

CONFERENCE ABSTRACTS

Note: An asterisk (*) is used to identify the presenting author on the abstract.

1. Ruff RR*, Duncan DT, **Goedel WC**, Chaix B. Spatial stigma, drug use, and alcohol consumption among low-income housing residents in New York. Poster presentation at the 2nd Annual New York City Epidemiology Forum; February 2015; New York, New York.

2. **Goedel WC**^{*}, Duncan DT. Geosocial-networking smartphone application use, contextual factors in application use, and sexual behaviors in gay, bisexual, and other men who have sex with men who use Grindr in New York City. Poster presentation at the New York University Langone Medical Center 1st Annual Health Disparities Symposium; October 2015; New York, New York.
3. **Goedel WC**^{*}, Halkitis PN, Greene RE, Duncan DT. Correlates of awareness and use of and willingness to use pre-exposure prophylaxis in gay, bisexual, and other men who have sex with men who use Grindr in New York City. Poster presentation at the New York University Langone Medical Center 1st Annual Health Disparities Symposium; October 2015; New York, New York.
4. **Goedel WC**^{*}, Duncan DT. Geosocial-networking application use in gay, bisexual, and other men who have sex with men (MSM) in Atlanta, Georgia. Poster presentation at the American Public Health Association 143rd Annual Meeting and Exposition; November 2015; Chicago, Illinois.
5. Duncan DT^{*}, Regan SD, Matthews SA, Chaix B, **Goedel WC**, Pass KM, Al-Bayan M, Gozlan B, Williams JH, Dutta S, Yilma AN, Elbel B. Quantifying spatial polygamy among low-income housing residents in New York City: A global positioning system (GPS) study. Oral presentation at the American Public Health Association 143rd Annual Meeting and Exposition; November 2015; Chicago, Illinois.
6. **Goedel WC**^{*}, Halkitis PN, Duncan DT. Behavior- and partner-based HIV risk perception, HIV testing patterns, and sexual risk behaviors in men who have sex with men who use Grindr in New York City. Poster presentation at the 3rd Annual New York City Epidemiology Forum; February 2016; New York, New York.
7. Duncan DT^{*}, **Goedel WC**, Stults CB, Brady WJ, Brooks FA, Blakely JS, Hagen D. Intimate partner violence, drug use, and sexual behaviors among gay, bisexual, and other men who have sex with men in New York City who use Grindr. Poster presentation at the 3rd Annual New York City Epidemiology Forum; February 2016; New York, New York.
8. **Goedel WC**^{*}, Mayer KH, Duncan DT. Awareness of, willingness to use, and potential candidacy for pre-exposure prophylaxis among men who have sex with men in London. Poster presentation at the New York University Langone Medical Center 2nd Annual Health Disparities Symposium; October 2016; New York, New York.
9. **Goedel WC**^{*}, Kreski NT, Morganstein JG, Duncan DT. Sexual role and preference for available and hypothetical pre-exposure prophylaxis administration modalities among men who have sex with men in Paris, France. Poster presentation at the 4th Annual New York City Epidemiology Forum; February 2017; New York, New York.
10. Al-Ajlouni YA^{*}, Park SH, Schneider JA, **Goedel WC**, Hambrick HR, Hickson DA, Cantor MN, Duncan DT. Partner meeting venue typology and sexual risk behaviors among French men who have sex with men. Poster presentation at the 5th Annual New York City Epidemiology Forum; 2018; Newark, New Jersey.

11. Marshall BDL*, **Goedel WC**, King MRF, Durham DP, Chan PA, Townsend JP, Galvani AP. Potential effectiveness of long-acting injectable pre-exposure prophylaxis in men who have sex with men: A modeling study. Poster presentation at the Conference on Retroviruses and Opportunistic Infections; March 2018; Boston, Massachusetts.
12. **Goedel WC***, Green TC, Rich JD, Marshall BDL. Increases in overdose fatalities in the beginning of the month: Revisiting the “check effect” through a spatial lens. Poster presentation at the 51st Annual Meeting of the Society for Epidemiologic Research; June 2018; Baltimore, Maryland.
13. Marshall BDL, **Goedel WC***, King MRF, Durham DP, Chan PA, Townsend JP, Galvani AP. Impact of long-acting cabotegravir as pre-exposure prophylaxis on the emergence of HIV drug resistance among men who have sex with men. Poster presentation at the 22nd International AIDS Conference; July 2018; Amsterdam, The Netherlands.
14. Griffiths S*, Brennan L, O’Gorman B, **Goedel WC**, Sheffield J. Weightism among sexual minority males: Associations with body mass index and quality of life. Oral presentation at the Australia and New Zealand Academy for Eating Disorders Conference; August 2018; Melbourne, Australia.
15. Marshall BDL*, Krieger MS, **Goedel WC**, Buxton JA, Lysyshyn M, Bernstein E, Rich JD, Sherman SG, Hadland SE, Green TC. Uptake and acceptability of rapid fentanyl test strips among young adults who use drugs. Oral presentation at the 12th National Harm Reduction Conference; October 2018; New Orleans, Louisiana.
16. Clark SA*, **Goedel WC**, Krieger MS, Rich JD, Marshall BDL. Relationship between buprenorphine prescription capacity and patient access, Rhode Island, 2014-2017. Poster presentation at the 42nd Annual Association for Medical Education and Research in Substance Abuse Conference; November 2018; San Francisco, California.
17. **Goedel WC***, King MRF, Lurie MN, Galea S, Townsend JP, Galvani AP, Friedman SR, Marshall BDL. Can emergency implementation of syringe services programs prevent rapid HIV transmission among people who inject drugs in rural counties in the United States? Oral presentation at the 26th Harm Reduction International Conference; May 2019; Porto, Portugal.
18. **Goedel WC***, Marshall BDL, Green TC, Spangler KR, Alexander-Scott N, Wellenius GA, Weinberger KR. Increased opioid mortality following cold weather: A case-crossover study. Poster presentation at the 52nd Annual Meeting of the Society for Epidemiologic Research; June 2019; Minneapolis, Minnesota.
19. Li Y*, **Goedel WC**, Cerdá M, Hogan J, Ahern J, Marshall BDL. Comparing machine learning methods and variable selection procedures for dichotomized outcomes: Predicting drug overdose deaths in Rhode Island. Oral presentation at the 52nd Annual Meeting of the Society for Epidemiologic Research; June 2019; Minneapolis, Minnesota.

20. **Goedel WC***, Mimiaga MJ, King MRF, Safren SA, Mayer KH, Chan PA, Marshall BDL, Biello KB. 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. Poster presentation at the 10th Annual International AIDS Society Conference on HIV Science; July 2019; Mexico City, Mexico.
21. Macmadu A*, **Goedel WC**, Adams JW, Brinkley-Rubinstein L, Green TC, Clarke JG, Martin RA, Rich JD, Marshall BDL. Estimating the impact of wide scale uptake of screening and medications for opioid use disorder in United States prisons and jails. Oral presentation at the American Public Health Association 147th Annual Meeting and Exposition; November 2019; Philadelphia, Pennsylvania.
22. Singleton AL*, Marshall BDL, Harrison MT, Goodreau SM, **Goedel WC**. Structural network characteristics and vulnerability to rapid HIV transmission among people who inject drugs in a rural county in the United States: A modelling study. Poster presentation at the 7th International Conference on Infectious Disease Dynamics; December 2019; Charleston, South Carolina.
23. Chu CT*, Gomillia CE, Curoe KA, Lockwood KR, Villalobos J, Silva ES, Riggs JN, Backus KV, Montgomery MC, **Goedel WC**, Suttan Coats C, Nuñez H, Nunn AS, Mena LA, Patel RR, Marshall BDL, Tao J, Sosnowy CD, Napoleon SC, Chan PA. Prevalence of sexually transmitted infection diagnoses among a clinic-based sample of men who have sex with men and transgender women initiating pre-exposure prophylaxis. Poster presentation at the 2020 STD Prevention Conference; September 2020; Atlanta, Georgia.
24. Singleton AL*, Marshall BDL, Zang X, Nunn AS, **Goedel WC**. Added benefits of pre-exposure prophylaxis use on HIV incidence in the context of high treatment engagement among men who have sex with men. Poster presentation at IDWeek 2020; October 2020; Philadelphia, Pennsylvania (Virtual Meeting).
25. **Goedel WC***, Shapiro A, Cerda M, Tsai JW, Hadland SE, Marshall BDL. Racial segregation and treatment capacity for opioid use disorder in the United States. Oral presentation at the 53rd Annual Meeting of the Society for Epidemiologic Research; December 2020; Boston, Massachusetts (Virtual Meeting).
26. Dean LT*, Chang H, **Goedel WC**, Backus K, Chan PA, Doshi J, Nunn AS. Pharmacy reversals: A novel indicators of gaps in the HIV pre-exposure prophylaxis cascade. Oral presentation at the Conference on Retroviruses and Opportunistic Infections; March 2021; Chicago, Illinois (Virtual Meeting).
27. Dhand A*, Greben R, McCafferty L, **Goedel WC**, Marshall BDL, Sheth KN. Social networks are a key determinant of delayed arrival to hospital in acute stroke: A social simulation study. Oral presentation at the AcademyHealth Annual Research Meeting; June 2021; Virtual Meeting.
28. Buchanan AL*, Park C, Bessey S, **Goedel WC**, Murray EJ, Friedman SR, Halloran EM, Marshall BDL. Disseminated effects in agent-based models: Effect modification in sexual networks. Oral presentation at the Joint Statistical Meetings; August 2021; Virtual Meeting.
29. Dean LT*, Chang H, **Goedel WC**, Bakre S, Chan PA, Doshi J, Nunn AS. Geographic disparities in pre-exposure prophylaxis pharmacy reversals, a novel observational data indicator of non-adherence. Oral

presentation at the International Workshop on HIV and Hepatitis Observational Databases; March 2022; Sevilla, Spain.

30. Allen B*, Schell RC, Jent VA, Krieger MS, Pratty C, **Goedel WC**, Li Y, Marshall BDL, Ahern J, Neill DB, Cerdá M. Machine learning to predict future neighborhood-level overdose risk: Findings from a modeling study to inform overdose prevention in Rhode Island. Oral presentation at the 55th Annual Meeting of the Society for Epidemiologic Research; June 2022; Chicago, Illinois.
31. Dean LT*, Chang HY, **Goedel WC**, Bakre S, Chan PA, Doshi JA, Nunn AS. Geographic disparities in HIV PrEP pharmacy reversals, a novel observational data indicator of PrEP non-adherence. Poster presentation at the 24th World AIDS Conference; July 2022; Montreal, Canada.
32. Dean LT*, Nunn AS, Chang HY, **Goedel WC**, Bakre S, Chan PA, Doshi JA. Association of patient out-of-pocket costs with HIV pre-exposure prophylaxis (PrEP) pharmacy reversals, a novel measure of PrEP non-adherence, and abandonments. Poster presentation at the 24th World AIDS Conference; July 2022; Montreal, Canada.
33. Dawit R*, Chang H, **Goedel WC**, Nunn AS, Chan PA, Doshi JA, Dean LT. Social determinants of health associated with initial PrEP prescription fills in the United States. Post presentation at the International Workshop on HIV and Hepatitis Observational Databases; March 2023; Athens, Greece.
34. Shrader C*, Duncan DT, Knox J, Chen Y, Driver LC, Russell J, Moody RL, Kanamori M, Durrell M, Hanson H, Eavou R, **Goedel WC**, Schneider JA. Sex-drug and condom use among Black sexual minority men and transwomen: A multilevel egocentric analysis of the N2 Cohort Study. Oral presentation at the Society for Behavioral Medicine Annual Meeting; April 2023; Phoenix, Arizona.
35. **Goedel WC***, Metzger J*. Cloud-based GIS tools to inform local COVID-19 pandemic response efforts. Demonstration session at the National Association of County and City Health Officials Emergency Preparedness Summit; April 2023; Atlanta, Georgia.
36. Allen B, Moore B, Jent VA, Gibson B, **Goedel WC**, Israel K, Collins AB, Marshall BDL, Cerdá M. Association between overdose prevention center implementation and neighborhood-level misdemeanor drug arrests and complaints for syringe litter in New York City: A synthetic control analysis. Oral presentation at the 56th Annual Meeting of the Society for Epidemiologic Research; June 2023; Portland, Oregon.
37. Skinner A, Jent VA, **Goedel WC**, Allen B, Leifheit KM, Cartus AR, Macmadu A, Li Y, Pratty CE, Samuels EA, Ahern J, Cerdá M, Marshall BDL. Neighborhood-level relationship between eviction and overdose death in Rhode Island. Oral presentation at the 56th Annual Meeting of the Society for Epidemiologic Research; June 2023; Portland, Oregon.

GUEST LECTURES

1. “Social Epidemiology of LGBT Health Disparities”. Current Issues in Sexual and Reproductive Health (P8615). Columbia University Mailman School of Public Health. Fall 2016.
2. “Identifying and Assessing Confounding and Effect Measure Modification”. Introduction to Methods in Epidemiologic Research Methods (PHP 2120). Brown University School of Public Health. Fall 2018.
3. “Assessing Screening Tests and Programs”. Fundamentals of Epidemiology (PHP 0850). Brown University School of Public Health. Fall 2018.
4. “Identifying and Assessing Confounding and Effect Measure Modification”. Introduction to Methods in Epidemiologic Research Methods (PHP 2120). Brown University School of Public Health. Fall 2019.
5. “Applying for Ruth L. Kirschstein National Research Service Awards”. Research Grant Writing for Public Health (PHP 2090). Brown University School of Public Health. Fall 2019.
6. “Traditional Approaches to Identifying Confounding”. Foundations of Epidemiologic Research Methods (PHP 2150). Brown University School of Public Health. Fall 2019.
7. “Using Directed Acyclic Graphs to Identify Bias in Epidemiological Research”. Interpretation and Application of Epidemiology (PHP 2180). Brown University School of Public Health. Spring 2020.
8. “Identifying and Assessing Confounding and Effect Measure Modification”. Introduction to Methods in Epidemiologic Research Methods (PHP 2120). Brown University School of Public Health. Fall 2020.
9. “Assessing Screening Tests and Programs”. Fundamentals of Epidemiology (PHP 0850). Brown University School of Public Health. Fall 2020.
10. “State of Health Among Sexual and Gender Minority Adolescents and Young Adults”. Adolescent and Young Adult Health (PHP 1950). Brown University School of School of Public Health. Spring 2021.
11. “Social Network Influences on Health”. Introduction to Public Health (PHP 0320). Brown University School of Public Health. Spring 2021.
12. “Social Network Influences on Health”. Introduction to Public Health (PHP 0320C). Brown University School of Public Health. Summer 2021.
13. “What is Social Epidemiology?”. Fundamentals of Epidemiology (PHP 405). University of Rhode Island College of Pharmacy. Spring 2022.
14. “Social Network Influences on Health”. Introduction to Public Health (PHP 0320). Brown University School of Public Health. Spring 2022.

15. “Fundamentals of Individual-Based Models for Understanding Infectious Disease Dynamics”. The Epidemiology and Control of Infectious Diseases (PHP 1854). Brown University School of Public Health. Spring 2022.
16. “Neighborhood Effects on the Health of People Who Use Drugs”. Substance Use and Vulnerability to Addiction (PHP 1550). Brown University School of Public Health. Spring 2022.
17. “Social Network Influences on Health”. Introduction to Public Health (PHP 0320). Brown University School of Public Health. Spring 2023.
18. “Fundamentals of Individual-Based Models for Understanding Infectious Disease Dynamics”. The Epidemiology and Control of Infectious Diseases (PHP 1854). Brown University School of Public Health. Spring 2023.

INVITED ACADEMIC PRESENTATIONS

1. Davis SLM, **Goedel WC**. How laws criminalizing men who have sex with men (MSM) impact global HIV indicators. New York University School of Law Center for Human Rights and Global Justice Human Rights in Practice Lunch Series; March 2016; New York, New York.
2. Duncan DT, **Goedel WC**. Health is 0 Feet Away: Geosocial-Networking Smartphone Application Use Among Men Who Have Sex with Men. New York University School of Medicine Department of Population Health Research Seminar; March 2016; New York, New York.
3. Marshall BDL, **Goedel WC**. Understanding the Environmental Context of Fatal Drug Overdose in Rhode Island. Rhode Island Department of Health Public Health Academic Work Group; November 2018; Providence, Rhode Island.
4. **Goedel WC**. Setting Goals for Increasing Pre-Exposure Prophylaxis Use to Eliminate Disparities. National Minority AIDS Council (NMAC) 3rd Annual Biomedical HIV Summit (Closing Plenary); December 2018; Los Angeles, California.
5. **Goedel WC**. Preparing for the Next Generation of Biomedical HIV Prevention Strategies: Insights from Agent-Based Modeling. New York University School of Medicine Department of Population Health Spatial Epidemiology Lab Seminar Series; May 2019; New York, New York.
6. **Goedel WC**. Using Agent-Based Modeling to Inform Pre-Exposure Prophylaxis Implementation for Black/African American Men Who Have Sex with Men. Brown University Clinical and Community-Based HIV/AIDS Research Training Program Expert Webinar Series; July 2019; Providence, Rhode Island.
7. Eklund AC, **Goedel WC**, Choi AY. Supporting Student Involvement in Data Science to Advance Sexual and Gender Minority Health and Well-Being (Panelist). Northwestern University Institute for Sexual and Gender Minority Health and Well-Being CONNECT Complex Systems and Health Disparities Research Program ‘Bias in Big Data’ Workshop; July 2019; Chicago, Illinois.

8. **Goedel WC.** Spatiotemporal Patterns in Coronavirus Disease 2019 (COVID-19) Cases Reveal Community Vulnerabilities: Making Structural Determinants of Health Personal for Your Patients. Rhode Island Department of Health Pandemic Update for Providers Series; December 2020; Providence, Rhode Island.
9. **Goedel WC.** Assessing Patterns in Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Diagnosis to Guide Local Public Health Action. Brown University Spatial Structural in the Social Sciences Program's Winter Geographic Information Systems (GIS) Institute; January 2021; Providence, Rhode Island
10. **Goedel WC.** Launching Your Career in Sexual and Gender Minority Health Research. University of Massachusetts Medical School Sexual and Gender Minority Health Research Group; January 2021; Worcester, Massachusetts.
11. **Goedel WC.** Medical Cannabis Licensure is Associated with Reduction in Prescription Opioid Use: An Analysis of the Rhode Island Prescription Drug Monitoring Program. Rhode Island Department of Health Strategic Tangible Overdose Prevention (STOP) Meeting; February 2021; Providence, Rhode Island.
12. **Goedel WC.** Data Linkage to Support Our Understanding of the Association of Medical Cannabis Licensure with Prescription Opioid Use Receipt. Rhode Island Department of Health Data on Overdose for Strategic Exchange (DOSE) Meeting; February 2021; Providence, Rhode Island.
13. **Goedel WC.** Spatiotemporal Patterns in Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection and Related Outcomes in Rhode Island. Brown University Spatial Structural in the Social Sciences (S4) Program Colloquium; February 2021; Providence, Rhode Island.
14. **Goedel WC.** Neighborhood-Level Patterns in COVID-19 Vaccination. State of Rhode Island Coronavirus Disease 2019 (COVID-19) Health Equity Council; October 2021; Providence, Rhode Island.
15. Bates LK, **Goedel WC.**, Meyers LA, Thornton RLJ. Housing Instability and Health: A Joint Webinar of the Roundtable on Population Health Improvement and the National Academies of Science, Engineering, and Medicine Response and Resilient Recovery Strategic Science Initiative; November 2021; Virtual Event.
16. **Goedel WC.** Update on Neighborhood-Level Patterns in COVID-19 Vaccination and Booster Dose Receipt. State of Rhode Island Coronavirus Disease 2019 (COVID-19) Health Equity Council; January 2022; Providence, Rhode Island.
17. **Goedel WC.** Modeling the Impacts of Equity-Based Provision of Pre-Exposure Prophylaxis Among Men Who Have Sex with Men. Centers for AIDS Research (CFAR) Antiretrovirals for Prevention Working Group; February 2022; Virtual Event.
18. **Goedel WC.** Understanding the Role of Affordable Housing in the Coronavirus Disease 2019 (COVID-19) Pandemic in Rhode Island. Brown University Spatial Structural in the Social Sciences Program's Summer Geographic Information Systems (GIS) Institute; June 2022; Providence, Rhode Island.

19. **Goedel WC.** Update on Neighborhood-Level Patterns in COVID-19 Vaccination and Booster Dose Receipt. State of Rhode Island Coronavirus Disease 2019 (COVID-19) Health Equity Council; February 2023; Providence, Rhode Island.
16. **Goedel WC.** Spatial Trends in Hospitalization for COVID-19 in Rhode Island. State of Rhode Island Coronavirus Disease 2019 (COVID-19) Health Equity Council; March 2023; Providence, Rhode Island.

RESEARCH GRANTS

A. Grants Currently Held

Describing COVID-19 Vaccination Patterns in Rhode Island's Workforce

Funding Source: Brown University Advance Clinical and Translation Research (U54GM115677)

Role: Principal Investigator, Pilot Project Award

Project Period: August 15, 2022 to August 31, 2023

Description: This project aims to estimate COVID-19 vaccine coverage by race and ethnicity and industry by linking the Rhode Island Department of Health's Child and Adult Immunization Registry with data from the Rhode Island Department of Labor and Training and to survey major Rhode Island employees to assess work-related policies and practices that facilitate and impede COVID-19 vaccine uptake among workers.

Social Networks and Risk of Delayed Arrival to Hospital During Stroke

Funding Source: National Institute on Minority Health and Health Disparities (R01)

Role: Co-Investigator (Principal Investigator: Amar Dhand, M.D., D.Phil.)

Project Period: April 20, 2022 to January 31, 2027

Description: This project aims to assess social network characteristics as a potential driver of racial disparities in arrival time to hospital following acute ischemic stroke and to use agent-based modeling to assess the potential impact of network-based interventions to reduce these disparities.

Localized Economic Modeling to Support Implementation of the 'Ending the HIV Epidemic' Initiative

Funding Source: National Institutes on Drug Abuse (R01DA0041747)

Role: Co-Investigator (Principal Investigator: Bohdan Nosyk, PhD)

Project Period: September 30, 2021 to August 31, 2026

Description: This project aims to using mathematical modeling approaches to identify optimal combination implementation strategies to reduce the burden of HIV epidemic in 48 counties and 7 states targeted by the United States Department of Health and Human Services' "Ending the HIV Epidemic" initiative.

Rhode Island Coronavirus Disease 2019 (COVID-19) Disparities Initiative

Funding Source: Centers for Disease Control and Prevention (via Rhode Island Department of Health)

Role: Subcontract Principal Investigator

Project Period: September 1, 2021 to August 31, 2023

Description: This national initiative aims to reduce COVID-19-related health disparities to improve local health department capacity to prevent and control COVID-19 among underserved populations at high risk.

Reducing Drug-Related Mortality Using Predictive Analytics: A Statewide, Community Intervention Trial

Funding Source: National Institute on Drug Abuse (R01DA046620)

Role: Co-Investigator (Principal Investigator: Brandon D.L. Marshall, Ph.D. and Magdalena Cerdá, Dr.PH.)

Project Period: September 30, 2019 to June 30, 2024

Description: This project leverages comprehensive surveillance data to create a predictive model to identify future overdose outbreaks and assess the impact of a targeted neighborhood-level intervention on overdose morbidity and mortality in a statewide randomized community intervention trial in Rhode Island.

Funding Source: National Institute on Drug Abuse (R01DA046620, Supplement)

Role: Co-Investigator (Principal Investigator: Brandon D.L. Marshall, Ph.D. and Magdalena Cerdá, Dr.PH.))

Project Period: August 1, 2020 to July 31, 2022

Description: This project leverages a surveillance data for drug overdose and related outcomes to understand the impact of the COVID-19 pandemic and associated response efforts on the health of people who use drugs in Rhode Island.

Causal Inference Methods for HIV Prevention Studies Among Networks of People Who Use Drugs

Funding Source: National Institutes on Drug Abuse (DP2DA046856)

Role: Co-Investigator (Principal Investigator: Ashley L. Buchanan, Dr.PH.)

Project Period: July 1, 2018 to May 31, 2023

Description: This project aims to advance HIV prevention research by contributing new methods to study causal mechanisms in networks of people who use drugs at high risk for HIV infection by developing causal inference statistical methods to understand disseminated effects in these networks.

B. Grants Completed

Highly Adaptive Epidemic Control Strategies for HIV Prevention in Drug Users

Funding Source: National Institute on Drug Abuse (DP2DA040236)

Role: Co-Investigator (Principal Investigator: Brandon D.L. Marshall, PhD)

Project Period: July 1, 2015 to August 31, 2021

Description: This project aims to develop TITAN, an open-source agent-based model, to represent HIV transmission networks in diverse settings in the United States and estimate the impacts of combination HIV prevention and treatment interventions on HIV incidence in these settings.

Characterizing the HIV PrEP Care Continuum for Black/African American and Hispanic/Latino MSM

Funding Source: National Institute of Mental Health (R01MH114657)

Role: Co-Investigator (Principal Investigators: Philip A. Chan, M.D. and Amy S. Nunn, Sc.D.)

Project Period: September 15, 2017 to June 30, 2022

Description: This project establishes a longitudinal cohort of men who have sex with men (MSM) who use pre-exposure prophylaxis (PrEP) at three clinics in Mississippi, Missouri, and Rhode Island and uses a mixed-methods approach to characterize the continuum of care.

Leveraging Social Networks to Improve Uptake of a Novel Biomedical HIV Prevention Method

Funding Source: National Institute of Mental Health (F31MH12112)

Role: Principal Investigator

Project Period: October 1, 2019 to May 31, 2020

Description: This project aims to understand how the social and sexual networks of young African American men who have sex with men (MSM) residing on the South Side of Chicago impact and can be utilized to improve their willingness to use long-acting injectable pre-exposure prophylaxis (LAI-PrEP).

Rhode Island Department of Health Coronavirus Disease 2019 (COVID-19) Response Assistance

Funding Source: Rhode Island Department of Health

Role: Co-Investigator (Principal Investigator: Brandon D.L. Marshall, Ph.D.)

Project Period: July 1, 2020 to June 30, 2021

Description: This contract involves an in-depth assessment of spatiotemporal patterns of coronavirus disease 2019 (COVID-19) outcomes in Rhode Island and technical assistance to improve a public surveillance dashboard for the COVID-19 pandemic in Rhode Island.

Improving Prevention Systems to Reduce Disparities for High Priority Populations

Funding Source: National Institute of Mental Health (R01MH115835)

Role: Co-Investigator (Principal Investigators: Sarit A. Golub, Ph.D.)

Project Period: May 1, 2018 to January 31, 2023

Description: This project aims to examine the effectiveness of a comprehensive sexual health intervention delivered through the New York City Department of Health and Mental Hygiene partner services program in improving rates of HIV prevention and treatment among contacts of individuals newly diagnosed with HIV infection and individuals previously diagnosed with HIV infection recently re-engaged in care.

SERVICE

A. Extramural Service

Abstract Reviewer, 55th Annual Meeting for the Society for Epidemiologic Research	2022
Abstract Reviewer, 54th Annual Meeting for the Society for Epidemiologic Research	2021
Strategy Group on COVID-19 and Rental Evictions, National Academies of Science, Engineering, and Medicine	2021
Communications Committee, Society for Epidemiologic Research	2020 to 2023
Awards Committee, Society for Epidemiologic Research	2020 to 2023
Education and Professional Development Committee, Society for Epidemiologic Research	2020 to 2023
Planning Committee, 1st Annual New England Public Health Student	2020
Poster Judge, 54th Annual Meeting of the Society for Epidemiologic Research	2020
Abstract Reviewer, 53rd Annual Meeting of the Society for Epidemiologic Research	2020
Youth Ambassador, 10th International AIDS Society Conference on HIV Science	2019
Abstract Reviewer, 52nd Annual Meeting of the Society for Epidemiology Research	2019
Abstract Reviewer, 51st Annual Meeting of the Society for Epidemiologic Research	2018

B. University, Division, and Department Service

Poster Judge, Public Health Research Day	2023
Member, Faculty Executive Committee	2022 to Present
Poster Judge, Public Health Research Day	2022
Member, Department of Epidemiology Doctoral Admissions Committee	2021 to Present
Member, Public Health Undergraduate Curriculum Committee	2021 to Present
Member, Public Health Undergraduate Studies Committee	2021 to Present
Member, Ad-Hoc Committee on Technology for Education	2021 to 2022
Poster Judge, Public Health Research Day	2021
Chair, Department of Epidemiology Diversity and Inclusion Committee	2020 to 2022
Faculty Advisor, Delta Omega Honorary Society in Public Health Epsilon Iota Chapter	2020 to Present
Faculty Advisor, School of Public Health Graduate Student Council	2020 to 2021
Executive Chair, School of Public Health Graduate Student Council	2019 to 2020
Student Member, Graduate School Student Support Services Advisory Board	2019 to 2020
Student Member, School of Public Health Doctoral Studies Committee	2019 to 2020
Student Member, Department of Epidemiology Curriculum Committee	2010 to 2020

C. Editorial Service

Associate Editor for Psychology and Social Sciences, <i>Journal of Young Investigators</i>	2016 to 2017
Research Editor for Psychology and Social Sciences, <i>Journal of Young Investigators</i>	2014 to 2016

D. Journal Review

Note: The number of manuscripts reviewed is indicated in parentheses if more than one manuscript was reviewed.

<i>AIDS</i>	2017
<i>AIDS & Behavior</i> (4)	2017, 2020, 2021
<i>American Journal of Epidemiology</i> (4)	2019, 2020, 2021, 2022, 2023
<i>American Journal of Public Health</i> (2)	2019, 2021
<i>Annals of Behavioral Medicine</i> (2)	2016, 2017
<i>Annals of Epidemiology</i>	2020
<i>BMC Medical Research Methodology</i>	2021
<i>Clinical Infectious Diseases</i>	2018
<i>Drug and Alcohol Dependence</i> (5)	2017, 2019, 2020, 2021, 2022
<i>Health Services Research</i>	2018
<i>International Journal of STDs & AIDS</i> (2)	2016, 2017
<i>JAMA Health Forum</i>	2022
<i>JAMA Network Open</i>	2022
<i>JMIR Research Protocols</i> (4)	2017, 2018, 2019, 2022
<i>Journal of Acquired Immune Deficiency Syndromes</i> (10)	2016, 2017, 2018, 2019, 2020, 2021, 2022
<i>Journal of HIV/AIDS and Social Services</i>	2019
<i>Journal of Homosexuality</i>	2017
<i>Journal of the International AIDS Society</i> (4)	2019, 2020
<i>Journal of LGBT Youth</i>	2019

<i>Journal of Medical Internet Research</i>	2019
<i>Journal of Sex Research</i>	2020
<i>Journal of Substance Abuse Treatment</i>	2022
<i>Journal of Urban Health</i> (2)	2016
<i>PLoS One</i>	2020
<i>Preventive Medicine</i> (2)	2016, 2017
<i>Prevention Science</i>	2018
<i>Sexually Transmitted Diseases</i> (2)	2017, 2020
<i>Sexually Transmitted Infections</i>	2018
<i>Substance Use and Misuse</i>	2016
<i>The Lancet HIV</i> (2)	2018, 2022
<i>Transgender Health</i>	2018

AWARDS

<i>Finalist, Society for Epidemiologic Research Tyroler Student Paper Prize</i>	2020
Runner-up for best submitted paper by a student in a doctoral program in epidemiology	
<i>Second Prize, Brown University Department of Epidemiology Student Abstract Competition</i>	2019
Awarded \$750 for travel to the Society for Epidemiologic Research Annual Meeting	
<i>First Prize, Data Science and Sexual and Gender Minority Health Equity Paper Contest</i>	2018
Awarded \$500 for one of three winning submissions	
<i>First Prize, Brown University Department of Epidemiology Student Abstract Competition</i>	2018
Awarded \$1,000 for travel to the Society for Epidemiologic Research Annual Meeting	
<i>Excellence in Public Health Research Award, New York University College of Global Public Health</i>	2017
Awarded to one graduating undergraduate student for highest achievement in public health research	
<i>James W. Curran Scholarship, Emory University Rollins School of Public Health (Declined)</i>	2017
Awarded full tuition scholarship with \$15,000 stipend for a Master of Public Health degree	
<i>Bronner Research Scholarship, New York University Dean's Undergraduate Research Fund</i>	2016
Awarded \$1,000 to fund an independent research project	
<i>Peltz Research Scholarship, New York University Dean's Undergraduate Research Fund</i>	2014
Awarded \$1,000 to fund an independent research project	
<i>Dean's Scholarship, New York University College of Arts and Science</i>	2013-2017
Awarded full tuition scholarship for four years of undergraduate education	

TEACHING ACTIVITIES

Brown University School of Public Health

Teaching Assistant, Fundamentals of Epidemiology (PHP 0850) 47 undergraduate students	Fall 2018
Teaching Assistant, Foundations of Epidemiologic Research Methods (PHP 2150) 44 undergraduate and graduate students	Fall 2019
Co-Instructor, Epidemiology and Control of Infectious Diseases (PHP 1854) 36 undergraduate and graduate students	Spring 2021
Instructor, Foundations of Spatial Analysis in Public Health (PHP 2015) 7 graduate students	Fall 2021
Instructor, Foundations of Spatial Analysis in Public Health (PHP 2015) 23 graduate students	Fall 2022
Instructor, Fundamentals of Epidemiology (PHP 0850) 57 undergraduate students	Fall 2022
Instructor, Fundamentals of Epidemiology (PHP 0850) 36 undergraduate students	Spring 2023

STUDENTS

First Year/Sophomore Advisor

Tenasica Barnwell	2022 to 2024
Kate Cheong	2021 to 2023
Yewon Choi	2022 to 2024
Noah Gomes	2022 to 2024
Cole Griscom	2021 to 2023
Katharine Knowles	2021 to 2023
Sofia Mrowka	2021 to 2023
Manav Musunuru	2022 to 2024
Alexandra Tucker	2021 to 2023

Concentration Advisor for Bachelor of Arts in Public Health

Sydney Asnis	2023 to 2025
Benicio Beatty	2023 to 2025
Kate Cheong	2023 to 2025
Katherine Dowling	2021 to 2023
Hannah Fernandez	2021 to 2023
Sydney Fisher	2021 to 2023
Brynn Goggins	2022 to 2022

Jennifer Griffith	2021 to 2022
Cole Griscom	2023 to 2025
Jihwan Hwang	2021 to 2023
Grace Jordan	2022 to 2024
Joseph Kahn	2022 to 2024
Alana Kelley	2020 to 2022
Grace Kim	2021 to 2023
Ha-Jung Kim	2021 to 2023
Ian Kim	2023 to 2025
Katharine Knowles	2023 to 2025
Evelyn Lai	2022 to 2024
Nelson Lin	2021 to 2023
Zachary Lin	2022 to 2024
Rishik Manthana	2021 to 2023
Zoe Maxwell	2020 to 2022
Imani McGregor	2020 to 2022
Kayla McLymont	2020 to 2022
Miguel Medrano	2021 to 2023
Ryan Millard	2021 to 2022
Madeline Noh	2020 to 2021
Amelia Pennell	2021 to 2023
Gail Schor	2021 to 2023
Elbie Seibert	2021 to 2023
Noah Soutier	2022 to 2024
Mahadevan Subramanian	2021 to 2023
Linda Wakamoto	2021 to 2023
Zakiyah Whitaker	2021 to 2023

Academic Advisor for Doctor of Philosophy in Epidemiology

Alexandra Skinner	2022 to 2026
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Undergraduate Honors Thesis Advisor

Jihwan Hwang	AB, Public Health	2022 to 2023
“Neighborhood-Level Indices of Socioeconomic Status and Breast, Cervical, and Cancer Screening Rates”		
Jennifer Labs	ScB, Applied Mathematics	2021 to 2022
“Estimated Impact of Medicaid Expansion and Universal Coverage Interventions Among Black and White Men Who Have Sex with Men in Mississippi and Missouri: An Agent-Based Modeling Study”		
<u>Current Role:</u> Associate, Boston Consulting Group (BCG)		
Nelson Lin	AB, Public Health	2022 to 2023
“Hypertension Control Among People Living with HIV with Prior or Current Stimulant Use”		

Ryan Millard	AB, Public Health	2021 to 2022
“Quantifying the Impact of Out-of-Pocket Costs on Long-Term Adherence to Pre-Exposure Prophylaxis”		
<u>Current Role:</u> Business Analyst, McKinsey & Company		

Undergraduate Honors Thesis Reader

Claire Myers	AB, Public Health	2021 to 2022
“A Narrative Review of Anxiety in Three Population Groups During the COVID-19 Pandemic”		

Master of Public Health Thesis Advisor

Hannah Fernandez	Interdisciplinary Concentration	2023 to 2024
“Impact of Pregnancy and Childbirth on Voter Turnout in Rhode Island”		

Kyler Groner	Epidemiology Concentration	2023 to 2024
“Residential Eviction and Emergency Department Visits for Ambulatory-Sensitive Conditions”		

Joshua Kalfus	Interdisciplinary Concentration	2022 to 2023
“Impact of New York City’s OnPoint Overdose Prevention Centers on Drug-Related Arrests”		

Yanchen Liu	Epidemiology Concentration	2022 to 2023
“Historical Redlining and Cumulative COVID-19 Diagnosis Rates in Rhode Island”		

Olubunmi Osias	Interdisciplinary Concentration	2022 to 2023
“Mapping Barriers and Facilitators of Food Security in Providence County, Rhode Island”		

Heming Tang	Health Services Research Concentration	2022 to 2023
“Predictors of Sexually Transmitted Infection Diagnosis After Pre-Exposure Prophylaxis Initiation”		

Huy Tran	Maternal and Child Health Concentration	2022 to 2023
“Understand Community Patterns of Green Space Access in Rhode Island”		

Andrew Walch	Interdisciplinary Concentration	2021 to 2022
“Novel Spatial Network Analysis to Measure Access to Blue Space in Rhode Island”		

Jeremiah Zablon	Epidemiology Concentration	2022 to 2023
“Effect of Climate Factors on Mosquito Species Distribution and Malaria Prevalence in Kenya”		

Master of Public Health Thesis Reader

Rebecca Carrara	Epidemiology Concentration	2022 to 2023
“Influence of a Pandemic on an Epidemic: Impact of COVID-19 on Overdose Deaths in Rhode Island”		

Sharon Cho	Interdisciplinary Concentration	2021 to 2022
“An Examination of Multicultural Competence in Counseling”		
<u>Role:</u> Data Analyst, United Way of Rhode Island		

Daniel Hackert	Epidemiology Concentration	2022 to 2023
“COVID-19 Vaccination Status and Response to Alternative Case Investigation Methods”		
Del Rose Hooker	Interdisciplinary Concentration	2022 to 2023
“Spatial Patterns of Water Quality in Jackson, Mississippi: Associations with Socioeconomic Factors”		
Thomas Walsh	Interdisciplinary Concentration	2021 to 2022
“Modeling COVID-19 with Mobility: Surveillance and Reaffirming the People in the Data”		
<u>Role:</u> Project Manager I, Dana-Farber Cancer Institute		

Master of Public Health Applied Public Health Experience Supervisor

Rebecca Carrara	Epidemiology Concentration	Summer 2022
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Summer/Semester Projects for Research, Internships, and Teaching (SPRINT) Award Mentor

Ty Scott	AB, Public Health	Summer 2021
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Boston-Providence Center for AIDS Research Summer Internship Mentor

Jennifer Labs	ScB, Applied Mathematics	Summer 2021
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Brown University Clinic- and Community-Based HIV Research Training Program Mentor

Felicia Casanova, PhD	Post-Doctoral Fellow	2022 to 2024
	University of Miami	
Sean Reid, MA	PhD Student in Geography	2022 to 2024
	University of California, Santa Barbara	

OTHER PROFESSIONAL ACTIVITIES

Mentor, Society for Epidemiologic Research Course Development Workshop	2023
Broadcasting Brown Research Workshop	2023
Brown University Sheridan Center for Teaching and Learning Certificate I: Reflective Teaching	2022
Participant, Society for Epidemiologic Research Course Development Workshop	2022
Advance Clinical and Translational Research (Advance-CTR) Mentoring Training Program	2022
Brown University Data Science Course Development Institute	2021
Centers for AIDS Research Implementation Science Training Program for Early-Stage Investigators	2020
Brown University Clinic- and Community-Based HIV Research Training Program	2018 to 2020