

BRANDON D.L. MARSHALL, Ph.D.

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1. DATE OF PREPARATION

December 27th, 2022

2. EDUCATION

B.Sc. (Hon) (Biophysics) 2001-2006
Department of Physics Vancouver, Canada
University of British Columbia

- Thesis: Modelling FtsZ ring formation during the early stages of *Escherichia coli* cell division.
- Advisor: Dr. Eric Cytrynbaum

M.Sc. (Epidemiology) 2006-2008
Department of Health Care and Epidemiology Vancouver, Canada
University of British Columbia

- Thesis: Sexual behaviours among a cohort of street-involved youth in Vancouver.
- Advisors: Drs. Thomas Kerr & Jean Shoveller

Ph.D. (Epidemiology) 2008-2011
School of Population and Public Health Vancouver, Canada
University of British Columbia

- Thesis: The epidemiology of methamphetamine use among street youth and injection drug users.
- Advisors: Drs. Thomas Kerr & Jean Shoveller

3. POSTDOCTORAL TRAINING

Postdoctoral Research Fellow Jan 2011 – Dec 2011
Department of Epidemiology New York, NY
Columbia University Mailman School of Public Health

- Advisor: Dr. Sandro Galea

4. ACADEMIC APPOINTMENTS

Professor (with tenure)	Jul 2022 - present
Associate Professor (with tenure)	Jul 2017 – Jun 2022
Manning Assistant Professor of Epidemiology	Jun 2016 – Jun 2017
Graduate Program Director	Jan 2015 – Feb 2016
Assistant Professor	Jan 2012 – May 2016
Department of Epidemiology	Providence, RI
Brown University School of Public Health	

5. MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS & SOCIETIES

1) Society for Epidemiologic Research	2011 – present
2) International AIDS Society	2008 – 2021

6. AWARDS

Brown University School of Public Health Dean’s Award for Excellence in Mentoring	2022
<ul style="list-style-type: none"> • Award honors outstanding contributions to the mentoring of graduate and undergraduate students, and leaders who demonstrate a commitment to excellence in mentoring. 	
Rhode Island Public Health Association (RIPHA) Public Health Champion Award	2021
<ul style="list-style-type: none"> • Award recognizes extraordinary achievements in public health service that protect and promote the health of Rhode Islanders. 	
ASPPH Early Career Public Health Research Award	2019
<ul style="list-style-type: none"> • Award recognizes an outstanding early-career investigator who is a graduate public health faculty member at an ASPPH member school or program of public health. 	
Mitch Synder Award, First Church of Cambridge Congregational UCC	2018
<ul style="list-style-type: none"> • Awarded for bold, merciful efforts that are consistent with the selfless commitment and courage Mitch Snyder demonstrated during his life 	
Master of Arts, <i>ad eundem</i>	2018
<ul style="list-style-type: none"> • Brown University 	
Top 40 Under 40, Providence Business News	2016
<ul style="list-style-type: none"> • Winners selected based on career success and community involvement 	
American Journal of Epidemiology 2015 Article of the Year	2016
<ul style="list-style-type: none"> • In recognition of the article Marshall BDL & Galea S, Am. J. Epidemiol. 2015, which was selected by the Editors as one of the 10 best of the year. 	

Brian MacMahon Early Career Award, Society for Epidemiologic Research	2016
<ul style="list-style-type: none"> • Awarded to early career epidemiologists who have already made substantial contributions to the field and who are poised to become future leaders in epidemiology 	
Henry Merrit Wriston Fellowship, Brown University	2015-2016
<ul style="list-style-type: none"> • Awarded one semester sabbatical for achieving a record of excellence in teaching and scholarship during first three years at Brown 	
Brown University Richard B. Salomon Faculty Research Award	2013-2014
<ul style="list-style-type: none"> • Awarded \$15,000 for excellence in research and scholarship 	
Brown University Sheridan Junior Faculty Teaching Fellowship	2012-2013
<ul style="list-style-type: none"> • Awarded \$1,500 and selected as a Sheridan Junior Faculty Teaching Fellow 	
Canadian Institutes of Health Research Fellowship	2011
<ul style="list-style-type: none"> • Awarded \$150,000 for postdoctoral training in HIV/AIDS research 	
IAS/NIDA Fellowship Encouraging HIV and Drug Use Research (declined)	2011
<ul style="list-style-type: none"> • Awarded \$75,000 for postdoctoral training in drug use and HIV research 	
Mailman School of Public Health Department of Epidemiology Student Abstract Prize	2011
<ul style="list-style-type: none"> • Awarded \$500 to attend the 3rd North American Congress of Epidemiology 	
American College of Epidemiology 2010 Student Prize	2010
<ul style="list-style-type: none"> • Awarded for outstanding scientific contribution by a student of epidemiology 	
Frederick Banting and Charles Best Canada Graduate Scholarship	2008-2010
<ul style="list-style-type: none"> • Awarded \$105,000 for research achievement, productivity and potential 	
Michael Smith Foundation for Health Research Senior Trainee Award	2008-2010
<ul style="list-style-type: none"> • Awarded \$21,000 for exceptional research activity and potential 	
Richard A. Robertson Memorial Service Award in Medicine	2008
<ul style="list-style-type: none"> • Awarded \$2,400 for academic excellence, research potential, and community service 	
Canadian Association for HIV Research New Investigator Award	2008
<ul style="list-style-type: none"> • Awarded \$1,000 for best overall student presentation in the epidemiology track 	
Murray Stratton Memorial Scholarship – UBC	2007
<ul style="list-style-type: none"> • Awarded for having the highest grade point average in the Master’s program 	
University Graduate Fellowship – UBC	2007
<ul style="list-style-type: none"> • Achieved highest overall ranking by the department 	
Michael Smith Foundation for Health Research Junior Trainee Award	2007-2008
<ul style="list-style-type: none"> • Awarded \$22,500 for outstanding research activity and potential 	

- Canadian Institutes of Health Research Canada Graduate Scholarship (Masters)** 2006
- Awarded \$17,500 for exceptional academic achievement and research potential
- Undergraduate Scholar Program Scholarship – UBC** 2001-2005
- Awarded for overall academic excellence during an undergraduate program
- Norman MacKenzie Alumni Entrance Scholarship – UBC** 2001
- Awarded as a major university entrance scholarship
- Canada Millennium Foundation Local Excellence Award** 2001
- Awarded for academic success, leadership, and community commitment
- Governor General’s Academic Medal (Bronze)** 2001
- Awarded for highest overall GPA in a graduating class

7. SERVICE

A. EXTRAMURAL

- Member, State of Rhode Island Opioid Settlement Advisory Committee 2022 - present
- *Ad hoc* Member, Drug Safety and Risk Management (DSaRM) Advisory Committee, Food and Drug Administration (FDA) 2018 - present
- Member, Education Committee, Society for Epidemiologic Research 2012 – 2016, 2021 - present
- Facilitator, Society for Epidemiologic Research Pre-Conference Workshop on Teaching Epidemiology: Designing Inclusive Curriculum for Equitable Classrooms 2021
- Reviewer, Center for Health Economics of Treatment Interventions for Substance Use Disorders, HCV, and HIV (CHERISH) Pilot Grants 2021
- Reviewer, Lifespan/Brown Criminal Justice Research Program on Substance Use, HIV, and Comorbidities Pilot Awards 2021
- Expert Reviewer, Institute for Clinical and Economic Review (ICER) 2020
Evidence Report on Supervised Injection Facilities: Effectiveness and Values
- Co-Chair, National Quality Forum (NQF) Technical Expert Panel on Opioids and Opioid Use Disorder 2019 - 2020
- Member, Association of Schools & Programs of Public Health (ASPPH) Task Force on Public Health Initiatives to Address the Opioid Crisis 2019
- Chair, Oral Abstract Session (Simulation, Prediction, and other Innovative Approaches in Infectious Disease Epidemiology), Society for Epidemiologic Research 2020 Meeting
- Abstract Reviewer, Society for Epidemiologic Research Meeting 2012 - 2018
- Member, 2016 Epidemiology Congress of the Americas Student/Early Career Committee
- Co-Chair, Concurrent Contributed Session (Applied Methods in Infectious Disease Epidemiology: Prospects and Practice), 47th Annual Society for Epidemiologic Research Meeting, June 2014.

- Member, Abstract Mentor Programme, XIX International AIDS Conference, 2012.
- Ad Hoc Reviewer, Society for Epidemiologic Research Dissertation Workshop on Epidemiological Methods, February 2010.

B. UNIVERSITY AND DEPARTMENTAL

- Chair, Climate & Health Open Rank Search Committee 2021 – 2022
Brown University School of Public Health
- Faculty Co-Lead, Diversity and Inclusion Action Plan Committee 2020 - 2021
Department of Epidemiology, Brown University
- Chair, Qualifying Exam Committee, Department of Epidemiology 2020 – 2022
- Member, Review Committee, Framework in Global Health Scholarship Program 2015 - present
- Member, Search Committee, Director of Accreditation & Assessment 2020
- Member, Mission and Goals Committee, Brown University School of Public Health 2020
- Member, Addiction Working Group, Strategic Planning Committees 2019
- Acting Graduate Program Director 2019
Department of Epidemiology, Brown University
- Member, Faculty Executive Committee, Brown Policy Lab 2018 – 2019
- Member, Ad Hoc Committee on Enhancing Faculty Research 2016 – 2017
- Faculty Search Committee 2016 – 2017
Department of Epidemiology
- Member, Committee on Diversity and Inclusion 2016 – 2018
Brown University School of Public Health
- Faculty Liaison, Department of Epidemiology Student Journal Club 2015 - 2017
- Member, Review Committee, LTB CFAR Development Grant Applications 2015 - 2018
- Member, *ad hoc* BUSPH Committee on PhD Funding and Planning 2015
- Member, Office of Diversity and Multicultural Affairs Advisory Committee 2013 - 2016
Brown University Division of Biology and Medicine
- Member, Academic Programs *ad hoc* Committee 2013 - 2014
Department of Epidemiology, Brown University
- Member, Qualifying Exams Committee 2012 – 2014, 2017, 2019
Department of Epidemiology, Brown University
- Member, Admissions Committee 2013 - 2020
Department of Epidemiology, Brown University
- Member, Curriculum Committee 2012 – 2015, 2017
Department of Epidemiology, Brown University
- Participant, Roundtable on Research, Housing Policy, and Homelessness in Rhode Island, April 24th, 2012.

C. EDITORIAL

- Associate Editor, International Journal of Drug Policy 2015 - present

D. JOURNAL REVIEW

- Addiction 2010 – 2022
- Addictive Behaviors 2018
- AIDS 2011 – 2021
- AIDS and Behavior 2012, 2014, 2016 – 2017
- AIDS Research and Therapy 2011
- American Journal of Epidemiology 2011 – 2022
- American Journal of Public Health 2011 – 2014, 2016 – 2018
- Annals of Internal Medicine 2018 – 2021
- BMC Public Health 2009 – 2010, 2013 – 2016
- Bulletin of the World Health Organization 2013 – 2015
- Clinical Infectious Diseases 2016 – 2022
- Current Psychiatry Reviews 2009
- Drug and Alcohol Dependence (top 5% of reviewers 2011 & 2013) 2008 – 2022
- Drug and Alcohol Review 2011, 2014, 2016, 2018 – 2019
- Epidemiologic Reviews 2017 – 2019
- Epidemiology 2011 – 2012, 2022
- Harm Reduction Journal 2009
- Health Affairs 2014 – 2021
- Health Education Research 2009
- Health Services Research 2018
- HIV Medicine 2010, 2015
- International Journal of Drug Policy (outstanding reviewer, 2015) 2011 – 2022
- JAMA Network Open 2019
- Journal of Acquired Immune Deficiency Syndromes 2010 – 2011, 2016 – 2018
- Journal of Addiction Medicine 2018
- Journal of Adolescent Health 2010 – 2017
- Journal of the American Medical Association 2010
- Journal of General Internal Medicine 2022
- Journal of the International AIDS Society 2011, 2014 – 2022
- Journal of Public Health 2012 – 2013
- Journal of Traumatic Stress 2013 – 2014
- Journal of Urban Health 2010 – 2011, 2015
- PLoS Medicine 2022

- PLoS ONE 2012 – 2016
- Psychopharmacology 2015
- Sexually Transmitted Diseases 2018
- Social Networks 2012
- Social Psychiatry and Psychiatric Epidemiology 2015 – 2016
- Substance Abuse and Rehabilitation 2011
- Substance Use & Misuse 2015 – 2018
- The Lancet 2013 – 2017
- The Lancet HIV 2015 – 2021
- The Lancet Public Health 2020

E. GRANT REVIEW

- Standing Member, National Institutes of Health (NIH) Community Influence on Health Behavior (CIHB) Study Section (Jul 1, 2021 – Jun 30, 2025).
- Ad Hoc Reviewer, National Institutes of Health (NIH) Social Sciences and Population Studies B (SSPB) Study Section, Jun 18-19, 2020.
- Ad Hoc Reviewer, National Institutes of Health (NIH) Community Influences on Health Behavior (CIHB) Study Section, June 3-4, 2019.
- Ad Hoc Reviewer, Scientific Review Group ZDA1JXB-N33, Leveraging Health IT Solutions to Combat Opioid Misuse (Topic 166) SBIR Contract Proposals, National Institutes of Health. Jan 31st, 2019
- Reviewer, Collaborative Research on Opioid Abuse and the Overdose Crisis RFA67-76, Pennsylvania Department of Health. Oct 30th, 2018
- Reviewer, Enabling Health & Enhancing Harm Reduction Services in Massachusetts, Grant Review Panel. Sep 12th, 2018
- Reviewer, Adolescent Medicine Trial Network (ATN) for HIV/AIDS Interventions RFP170127 Grant Review Panel, 2017.
- Ad Hoc Reviewer, National Institute on Drug Abuse (NIDA) Special Emphasis Panel, ZDA1 JXR – D(19), Mechanism for Time-Sensitive Drug Abuse Research (R21). December 13, 2016.
- Committee Member, Project Scheme – Stage 1, Canadian Institutes of Health Research, 2016.
- Ad Hoc Reviewer, National Institutes of Health (NIH) Health Services Organization and Delivery (HSOD) Study Section, February 23, 2015.
- Member, Merit Review Committee, 2011-2012 Collaborative Centres of HIV/AIDS Community-Based Research, Canadian Institutes of Health Research (COH-201205).
- Member, Merit Review Committee, 2012-2013 HIV/AIDS Community-Based Research, Canadian Institutes of Health Research (201210CBG).

F. SERVICE TO THE COMMUNITY

The Wilbury Theatre Group	Apr 2020 – present
<ul style="list-style-type: none"> • Advising Epidemiologist, The Wilbury Theatre Group 	
State of Rhode Island Opioid Data Council	Jan 2018 - present
<ul style="list-style-type: none"> • Charter Member 	
Rhode Island Multidisciplinary Review of Overdose Deaths (MODE)	Nov 2016 – Jun 2018
<ul style="list-style-type: none"> • Member 	
Rhode Island Governor’s Overdose Prevention and Intervention Task Force	Sep 2015 – Present
<ul style="list-style-type: none"> • Expert Advisor 	
Rhode Island Interagency Workgroup on Overdose Research	Aug 2012 – Dec 2020
<ul style="list-style-type: none"> • Chair 	
The Rhode Island LGBTQ Center	Nov 2014 – Nov 2015
<ul style="list-style-type: none"> • Member, Board of Directors 	
New England Alliance for Gay/Bisexual Men’s Health	Sep 2012 – Nov 2014
<ul style="list-style-type: none"> • Committee Member 	
YouthCO AIDS Society	Sep 2005 – Dec 2010
<ul style="list-style-type: none"> • Member, Board of Directors & Chair, Human Resources Committee • Member, Forum Theatre Troupe 	
Pipedream Theatre Project Society	April 2004 – Sept 2010
<ul style="list-style-type: none"> • Member, Board of Directors 	

8. PUBLICATIONS & PRODUCTS

A. BOOK CHAPTERS

- 1) **Marshall BDL**. Agent-Based Modeling. In: *Modern Epidemiology*. Lash TL, VanderWeele T, Haneuse S, Rothman K, eds. Philadelphia: Wolters Kulwer; 2021. Chapter 31: pp. 785-801.
- 2) **Marshall BDL**. Agent-based modeling. In: *Systems Science and Population Health*. El-Sayed A & Galea S, eds. New York: Oxford University Press; 2017. pp. 87-98.
- 3) **Marshall BDL**, Kerr T. Housing and HIV/AIDS among people who inject drugs: Public health evidence for effective policy response. In: Guirguis-Young M, McNeil R, Hwang S, eds. *Homelessness and Health in Canada*. Ottawa: University of Ottawa Press; 2014. pp. 135-154.

B. PUBLICATIONS IN PEER-REVIEWED JOURNALS

Note: mentees are delineated with asterisk (*)

Note: in the field of epidemiology, the senior author is typically the individual who oversees the work, provides mentorship to student(s) drafting the text, and ultimately takes primary responsibility for the research product. In my research lab, the first author plays a primary role in shepherding the product through the entire conception, drafting, submission, and publication process. The second author is typically the person most heavily involved in the data acquisition, management, coding, or analysis of the results. The penultimate position can be reserved for individuals with specific additional roles or oversight.

- 1) Weiss NH, Forkus SR, Raudales AM, Kiefer R, Thomas ED, Goldstein SC, Lin N, Samuels EA, **Marshall BDL**, Jacka BP. Emotion dysregulation as a risk factor for posttraumatic stress disorder stemming from opioid overdose among community laypeople. Submitted to *International Journal of Mental Health and Addiction* (in press).
- 2) Folks JB, Ramaiya M, Holloway E, Ramos L, **Marshall BDL**, Kemp K, Li Y, Bath EP, Mitchel DK, Tolou-Shams M. The association between expanded ACEs and behavioral health outcomes among youth at first time legal system contact. *Research on Child and Adolescent Psychopathology* (Epub ahead of print). DOI:10.1007/s10802-022-01009w.
- 3) Scheidell JD, Townsend T, Ban K, Caniglia EC, Charles D, Edelman EJ, **Marshall BDL**, Gordon AJ, Justice AC, Braithwaite RS, Khan MR. Cessation of self-reported opioid use and impacts on co-occurring health conditions. *Drug and Alcohol Dependence*. 2023;242:109712.
- 4) Zang X, Bessey SE, Krieger MS, Hallowell BD, Koziol JA, Nolen S, Behrends CN, Murphy SM, Walley AY, Linas BP, Schackman BR, **Marshall BDL**. Comparing projected fatal overdose outcomes and costs of strategies to expand community-based distribution of naloxone in Rhode Island. *JAMA Network Open*. 2022;5(11):e2241174.
- 5) Buchanan A, Park CJ, Bessey S, Goedel WG, Murray EJ, Friedman SR, Halloran ME, Katenka NV, **Marshall BDL**. Spillover benefit of pre-exposure prophylaxis for HIV prevention: Evaluating the importance of effect modification using an agent-based model. *Epidemiology & Infection*. 2022;150(e192):1-8.
- 6) Wentz AE, Wang RC, **Marshall BDL**, Shireman TI, Liu T, Merchant R. Opioid analgesic use after an acute pain visit: Evidence from a urolithiasis patient cohort. *Western Journal of Emergency Medicine*. 2022;23(6):864-871.
- 7) Nolen S, Zang X, Chatterjee A, Behrends CN, Green TC, Linas BP, Morgan JR, Murphy SM, Walley AY, Shackman BR, **Marshall BDL**. Evaluating equity in community-based naloxone access among racial/ethnic groups in Massachusetts. *Drug and Alcohol Dependence*. 2022;241:109668.
- 8) Kennedy MC, Karamouzian M, **Marshall BDL**. The North American opioid crisis: How effective are supervised consumption sites? *The Lancet*. 2022;400(10361):1403-1404.

- 9) Macmadu A, Yolken A, Frueh L, Toussaint JR, Newman R, Jacka BP, Collins AB, **Marshall BDL**. Characteristics of events in which police responded to overdoses: An examination of incident reports in Rhode Island. *Harm Reduction Journal*. 2022;19:116.
- 10) Jacka BP, Nolan S, Bessey SE, Zang X, Goedel WC, Yedinak JL, **Marshall BDL**. Use of pre-exposure prophylaxis (PrEP) to prevent rapid HIV transmission among people who inject drugs (PWID) in rural counties in the United States: A modeling study. *Journal of Acquired Immune Deficiency Syndromes*. 2022;91(5):449-452.
- 11) Tracy M, Gordis E, Strully K, **Marshall BDL**, Cerdá M. Applications of agent-based modeling in trauma research. *Psychological Trauma: Theory, Research, Practice, and Policy* (ePub ahead of print). DOI:10.1037/tra0001375.
- 12) Rofé KL, **Marshall BDL**, Merlin JS, Trivedi AN, Shireman TI, Schmidt C, Patience M. Nonpharmacologic management of chronic pain in the United States' Medicare population: a scoping review protocol. *JB I Evidence Synthesis*. 2022;20(9):2361-2369.
- 13) Chambers LC, Hallowell BD, Zang X, Rind DM, Guzauskas GF, Hansen RN, Fuchs N, Scagos RP, **Marshall BDL**. The estimated costs and benefits of a hypothetical supervised consumption site in Providence, Rhode Island. *International Journal of Drug Policy*. 2022;108:103820.
- 14) Beaudoin FL, Jacka BP, Li Y, Samuels EA, Hallowell BD, Peachey AM, Newman RA, Daly MM, Langdon KJ, **Marshall BDL**. Peer-led behavioral interventions for emergency department patients at high risk of fatal opioid overdose: A randomized clinical trial. *JAMA Network Open*. 2022;5(8):e2225582.
- 15) Morgan JR, Freibott C, Jalai A, Jeng P, Walley AY, Chatterjee A, Green TC, Nolan ML, Linas BP, **Marshall BDL**, Murphy SM. Increases in pharmacy and community distributed naloxone and the role in the opioid overdose epidemic in Massachusetts, Rhode Island, and New York City. *Drug and Alcohol Dependence Reports*. 2022;100083.
- 16) Cartus AR, Goedel WC, Hallowell BD, Allen B, Pratty C, Planey AM, Ahern J, Cerdá M, **Marshall BDL**. Divergence between individual- and neighborhood-level fatal overdose burden: A population-based statewide study. *Rhode Island Medical Journal*. 2022;105(6):45-50.
- 17) Macmadu A, Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, **Marshall BDL**. Drug use behaviors, trauma, and emotional affect following the overdose of a social network member: A qualitative investigation. *International Journal of Drug Policy*. 2022;107:103792.
- 18) Goedel WC, Rogers BG, Li Y, Nunn AS, Patel RR, **Marshall BDL**, Mena LA, Ward LM, Brock JB, Napoleon S, Zanowicki-Marr A, Curoe K, Underwood A, Johnson CJ, Lockwood KR, Chan PA. Pre-exposure prophylaxis discontinuation during the COVID-19 pandemic among men who have sex in a multi-site clinical cohort in the United States. *Journal of Acquired Immune Deficiency Syndromes*. 2022;91(2):151-156.

- 19) Labs J, Nunn AS, Chan PA, Bessey S, Park CJ, **Marshall BDL**, Patel RR, Mena LA, Goedel WC. Projected effects of disruptions to HIV prevention services during the COVID-19 pandemic among Black/African American men who have sex with men in an ending the HIV epidemic priority jurisdiction. *Open Forum Infectious Diseases*. 2022;9(7):ofac274.
- 20) Gordon KS, Becker WG, Bryant KJ, Crystal S, Maisto SA, **Marshall BDL**, McInnes DK, Satre DD, Williams EC, Edelman EJ, Justice AC. Patient-reported bothersome symptoms attributed to alcohol use among people with and without HIV. *AIDS and Behavior*. 2022;26(11):3589-3596.
- 21) Bahji A, Li Y, Vickers-Smith R, Crystal S, Kerns RD, Gordon KS, Macmadu A, Skanderson M, Sung ML, Bhondoeckhan F, **Marshall BDL**, Edeleman EJ. Self-reported cannabis use and HIV viral control among patients with HIV engaged in care: Results from a national cohort study. *International Journal of Environmental Research and Public Health*. 2022;19:5649.
- 22) Werb D, Scheim A, Soipe A, Aeby S, Rammohan I, Fischer B, Hadland SE, **Marshall BDL**. Health harms of non-medical prescription opioid use: A systematic review. *Drug and Alcohol Review*. 2022;41(4):941-952.
- 23) Macmadu A, Reddon H, **Marshall BDL**, Fairbairn N, Nolan S, Socías ME, Milloy MJ. Crack cocaine use frequency is associated with HIV disease severity independent of antiretroviral therapy exposure: A prospective cohort study. *AIDS and Behavior*. 2022;26(10):3356-3364.
- 24) Cartus AR, Li Y, Macmadu A, Goedel WC, Allen B, Cerdá M, **Marshall BDL**. Forecasted and observed drug overdose deaths in the US during the COVID-19 pandemic in 2020. *JAMA Network Open*. 2022;5(3):e223418.
- 25) Tolou-Shams M, Dauria E, Rosen R, Clark MC, Spetz J, Levine A, **Marshall BDL**, Folk JB, Gopalakrishnan L, Nunn A, and the project emPOWER'D expert consultant panel. Bringing juvenile justice and public health systems together to meet the sexual and reproductive health needs of juvenile-justice youth. *American Journal of Orthopsychiatry*. 2022;92(2):224-235.
- 26) Oldfield B, Li Y, Vickers-Smith R, Barry DT, Crystal S, Gordon KS, Kerns RD, Williams EC, **Marshall BDL**, Edelman EJ. Longitudinal analysis of the prevalence and correlates of heavy episodic drinking and self-reported opioid use among a national cohort of patients with HIV. *Alcoholism: Clinical & Experimental Research*. 2022;46(4):600-613.
- 27) Zang X, Goedel WC, Bessey SE, Lurie MN, Galea S, Galvani AP, Friedman SR, Nosyk B, **Marshall BDL**. The impact of syringe services program closer on the risk of rebound HIV outbreaks among people who inject drugs: A modeling study. *AIDS*. 2022;36(6):881-888.
- 28) Collins AB, Edwards S, McNeil R, Goldman J, Hallowell BD, Scagos RP, **Marshall BDL**. A rapid ethnographic study of risk negotiation during the COVID-19 pandemic among unstably housed people who use drugs in Rhode Island. *International Journal of Drug Policy*. 2022;103:103626.

- 29) Irvine M, Oller D, Boggis J, Bishop B, Coombs D, Wheeler E, Doe-Simkins M, Walley AY, **Marshall BDL**, Bratberg J, Green TC. Estimating naloxone need in the United States across fentanyl, heroin, and prescription opioid epidemics: A modelling study. *Lancet Public Health*. 2022;7(3):e210-e218.
- 30) Townsend T, Kline D, Rivera A, Bunting A, Mauro P, Martins SS, **Marshall BDL**, Cerdá M. Racial/ethnic and geographic trends in combined stimulant/opioid overdoses, 2007-2019. *American Journal of Epidemiology*. 2022;191(4):599-612.
- 31) Reddon H, Socías ME, Justice AC, Cui Z, Nosova E, Barrios R, Fairbairn N, **Marshall BDL**, Milloy MJ. Periods of homelessness linked to higher VACS index among HIV-positive people who use drugs. *AIDS and Behavior*. 2022;26(6):1739-1749.
- 32) Kemp K, Poindexter B, Ng MY, Correia V, **Marshall BDL**, Koinis-Mitchell D, Tolou-Shams M. Early identification of suicide risk factors among justice-involved youth. *Criminal Justice and Behavior*. 2022;49(5):730-744.
- 33) Schell RC, Allen B, Goedel WC, Hallowell BD, Scagos R, Li Y, Krieger MS, Neill D, **Marshall BDL**, Cerdá M, Ahern J. Machine learning to identify predictors of opioid overdose death at the neighborhood level. *American Journal of Epidemiology*. 2022;191(3):526-533.
- 34) Nolen S, Zang X, Chatterjee A, Behrends CN, Green TC, Kumar A, Linas BP, Morgan JP, Murphy SM, Walley AY, Yan S, Schackman BR, **Marshall BDL**. Community-based naloxone coverage equity for the prevention of opioid overdose fatalities in racial/ethnic minority communities in Massachusetts and Rhode Island. *Addiction*. 2022;117(5):1372-1381.
- 35) Khatri UG, Samuels EA, Xiong R, **Marshall BDL**, Perrone J, Delgado MK. Variation in emergency department visit rates for opioid use disorder in the U.S.: Implications for prioritizing quality improvement initiatives. *American Journal of Emergency Medicine*. 2022;51:331-337.
- 36) Jacka B, Ziobrowski H, Lawrence A, Baird J, Wentz A, **Marshall BDL**, Wightman R, Mello M, Beaudoin F, Samuels EA. Implementation and maintenance of an emergency department naloxone distribution and peer recovery specialist program. *Academic Emergency Medicine*. 2022;29(3):294-307.
- 37) **Marshall BDL**, Alexander-Scott N, Yedinak JL, Hallowell B, Goedel WC, Allen B, Schell RC, Krieger MS, Pratty C, Ahern J, Neill DB, Cerdá M. Preventing overdose using information and data from the environment (PROVIDENT): Protocol for a randomised, population-based, community intervention trial. *Addiction*. 2022;117(4):1152-1162.
- 38) Goedel WC, Macmadu A*, Shihipar A, Moyo P, Cerdá, **Marshall BDL**. Association of medical cannabis licensure with prescription opioid receipt: A population-based, individual-level retrospective cohort study. *International Journal of Drug Policy*. 2022;100:103502.

- 39) Zang X, Mah C, Quan AML, Min JE, Armstrong WS, Behrends CN, Del Rio C, Dombrowski JC, Kirk GD, **Marshall BDL**, Mehta SH, Metsch LR, Pandya A, Schackman BR, Shoptaw S, Strathdee SA, Krebs E, Nosyk B. Human immunodeficiency virus transmission by HIV risk group and along the HIV care continuum: A contrast of six US cities. *Journal of Acquired Immune Deficiency Syndromes*. 2022;89(2):143-150.
- 40) Becker WC, Li Y, Caniglia EC, Vickers-Smith R, Feinberg T, **Marshall BDL**, Edelman EJ. Cannabis use, pain interference and prescription opioid receipt among persons with HIV: A target trial emulation study. *AIDS Care*. 2022;34(4):469-477.
- 41) Oldfield B, Li Y, Vickers-Smith R, Becker W, Barry D, Crystal S, Gordon K, Rentsch C, **Marshall BDL**, Edelman EJ. Sociodemographic and clinical correlates of gabapentin receipt with and without opioids among a national cohort of patients with HIV. *AIDS Care*. 2022;34(8):1053-1063.
- 42) Wentz AE, Wang RCR, **Marshall BDL**, Shireman TI, Liu T, Merchant RC. Opioid analgesics and persistent pain after an acute pain emergency department visit: Evidence from a cohort of suspected urolithiasis patients. *The Journal of Emergency Medicine*. 2021;61(6):637-648.
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C. INVITED COMMENTARIES & EDITORIALS

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D. WORK UNDER REVIEW

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- 339) Cartus AR, Samuels EA, Cerdá M, **Marshall BDL**. Outcome class imbalance and rare events: An underappreciated complication for overdose risk prediction modeling. Submitted to *Addiction*.
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- 350) Kemp K, Poindexter B, Ng MY, Correia V, **Marshall BDL**, Koinis-Mitchell D, Tolou-Shams M. Suicide ideation, suicide attempts, and risk behaviors of first-time court-involved non-incarcerated youth. Submitted to *Criminal Justice and Behavior*.
- 351) Kemp K, Poindexter B, Affleck K, **Marshall BDL**, Koinis-Mitchell D, Tolou-Shams M. Developmental maturity and risk behaviors of first-time offending, court-involved, non-incarcerated youth. Submitted to *Psychology of Addictive Behaviors*.
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E. CONFERENCE ABSTRACTS (SELECTED)

- 1) Macmadu A, Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, **Marshall BDL**. Drug use behaviors following the overdose of a social network member: A qualitative investigation. Polysubstance Use Symposium, NYU Center for Opioid Epidemiology and Policy. New York City, New York. October 20-21, 2022.
- 2) McKee H, Samuels EA, **Marshall BDL**, Tardiff J, Park JN. Harm reduction centers in Rhode Island: Lessons on legalization, regulations, and public engagement. 13th National Harm Reduction Conference; Oct 13-16, 2022; San Juan, PR.
- 3) Macmadu A, Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, **Marshall BDL**. Drug use behaviors following the overdose of a social network member: A qualitative investigation. 13th National Harm Reduction Conference; Oct 13-16, 2022; San Juan, PR.
- 4) Zang X, Schackman BR, Linas BP, Walley AY, **Marshall BDL**. Comparing projected fatal overdose outcomes and costs of strategies to expand naloxone distribution: A modeling study of community-based distribution in Rhode Island. The 13th National Harm Reduction Conference; Oct 13-16, 2022; San Juan, PR.
- 5) Jalali A, Jeng PJ, Morgan J, Behrends C, **Marshall BDL**, Green T, Walley A, Murphy SM. Factors associated with dispensing naloxone to prevent opioid overdose fatalities and out of pocket

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- 6) Allen B, Schell RC, Jent JA, Krieger M, Pratty C, Goedel W, 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. 2022 Annual Meeting of the Society for Epidemiologic Research. Chicago, IL. Jun 14-17, 2022.
- 7) Macmadu A, Li Y, Vickers-Smith R, Bhondoeckhan F, Crystal S, Kerns RD, Chang CH, Bahji A, Edelman EJ, **Marshall BDL**. Long-term, bidirectional associations between depressive symptoms and opioid use among patients with HIV: A prospective cohort study. 2022 Annual Meeting of the Society for Epidemiologic Research. Chicago, IL. Jun 14-17, 2022.
- 8) Chan PA, Goedel WC, Patel R, Ward L, Mena L, **Marshall BDL**. Persistent disparities in HIV pre-exposure prophylaxis retention and re-initiation. 29th Conference on Retroviruses and Opportunistic Infections (CROI). Feb 12-16, 2022. Abstract no. 1226.
- 9) Cho DK, Jacka B, **Marshall BDL**, Beaudoin FL. Evaluating the role of recovery capital on willingness to enter treatment for emergency department patients with opioid use disorders. ACEP21 Research Forum. Boston, MA. Oct 25-28, 2021.
- 10) Yoon G, Levensgood T, Ogden S, Davoust M, Kral AH, **Marshall BDL**, Cahill S, Bazzi AB. Safe consumption site implementation and sustainability: A systematic review of qualitative studies. APHA 201 Annual Meeting & Expo. Oct. 24-27, 2021 (virtual). Abstract no. 502030.
- 11) Zang X, Krieger M, Nolen S, Behrends C, **Marshall BDL**, Shackman B. Development of a spatial microsimulation modeling tool for improved naloxone distribution at the community level. Society for Medical Decision Making (SMDM), 43rd North American Meeting, Virtual meeting. October 18-20, 2021. Abstract ID: 1068370.
- 12) Macmadu A, Batthala S, Correia Gabel A, Rosenberg M, Ganguly R, Yedinak JL, Hallowell BD, Scagos RP, Samuels EA, Cerdá M, Paull K, Marshall BDL. Emerging characteristics of drug overdose decedents during the COVID-19 pandemic: A statewide analysis leveraging linked databases. 9th International Conference on Health and Hepatitis Care in Substance Users (virtual). Oct 13-15, 2021.
- 13) Aroke H, Buchanan A, Murillo A, Sun T, Bratberg J, Kogut S, **Marshall BDL**, Hogan J. Novel application of a multistate model to investigate the opioid use disorder care cascade in Rhode Island. 2021 Joint Statistical Meeting (virtual). Aug 8-12, 2021.
- 14) Buchanan A, Park C, Bessey S, Goedel W, Murray E, Friedman S, Halloran ME, Katenka N, **Marshall BDL**. Spillover effects of pre-exposure prophylaxis delivery for HIV prevention: Evaluating the importance of effect modification using an agent-based model. 2021 Joint Statistical Meeting (virtual). Aug 8-12, 2021.

- 15) Cho D, Jacka BP, **Marshall BDL**, Beaudoin FB. Evaluating the role of recovery capital on willingness to enter treatment for emergency department patients with opioid use disorders. *Annals of Emergency Medicine*. 2021;78(4):S97.
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- 17) Jacka BP, Ziobrowski H, Wentz A, Lawrence A, Beaudoin F, Reddy N, **Marshall BDL**, Mello M, Baird J, Samuels EA. Factors associated with delivery of emergency department harm reduction and addiction treatment. 83rd CPDD Annual Scientific Virtual Meeting. Virtual, June 21-24, 2021.
- 18) Khatri U, Samuels EA, Xiong R, **Marshall BDL**, Perrone J, Delgado M. Targeting intervention for opioid use disorder: Hospital and visit characteristics of high-volume emergency departments. 2021 AcademyHealth Annual Research Meeting. Jun 14-17, 2021 (virtual).
- 19) Dhand A, Greben R, McCafferty L, Goedel W, **Marshall BDL**, Sheth K. Social networks are a key determinant of delayed arrival to hospital in acute stroke and racial disparities: A social simulation study. 2021 AcademyHealth Annual Research Meeting. Jun 14-17, 2021 (virtual).
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- 25) 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. *Open Forum Infectious Diseases*. 2020;7(Suppl 1):S833.
- 26) Hirschtritt M, Folk JB, **Marshall BDL**, Li Y, Tolou-Shams M. Cannabis use among minority sexual orientation and gender identity, court-involved adolescents. *Journal of the American Academy of Child & Adolescent Psychiatry*. 2020;59(10 Supplement):S289.
- 27) Folk JB, Tolou-Shams M, **Marshall BDL**, Dauria E, Kemp K, Koinis-Mitchell D, Brown LK. Cannabis use early-onset and initiation among first-time justice-involved youth. *Journal of the American Academy of Child & Adolescent Psychiatry*. 2020;59(10 Supplement):S289-S290.
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- 31) Aroke H, Buchanan A, Bratberg J, Yedinak J, Lebeau R, Kogut S, **Marshall BDL**, Rich JD. Timely initiation and retention on medication-based treatment for opioid use disorder among Medicaid enrollees in Rhode Island. Poster presentation to the College on Problems of Drug Dependence Virtual Meeting; June 20-23, 2020.
- 32) Adams JW, Li Y, Barry DT, Gordon KS, Justice AC, Kerns RD, Oldfield B, Rentsch CT, **Marshall BDL**, Edelman EJ. Trajectories of self-reported opioid use and mortality prognosis for patients with HIV and engaged in care. Poster presentation to the College on Problems of Drug Dependence Virtual Meeting; June 20-23, 2020.
- 33) Wentz A, Shireman T, **Marshall BDL**, Wang RC, Liu T, Merchant RC. Variation in opioid analgesia administration and discharge prescribing in ED patients with suspected urolithiasis. Society for Academic Emergency Medicine (SAEM) 2020 Annual Meeting. May 12-15, 2020. Abstract no. 816639.
- 34) Macmadu A, Adams JW, Bessey S, Brinkley-Rubinstein L, Martin RA, Green TC, Clarke JG, Rich JD, **Marshall BDL**. Optimizing the impact of medications for opioid use disorder in prison

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- 37) Nosyk B, Zang X, Krebs E, Behrends CZ, del Rio C, Dombrowski JC, Feaster DJ, Golden MR, **Marshall BDL**, Mehta SH, Metsch LR, Schackman BR, Shoptaw S, Strathdee SA. What will it take to “End the HIV epidemic”? An economic modeling study. CROI 2020. Boston, MA. Mar 8-11, 2020. Abstract no. 3102.
- 38) 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 modeling study. 7th International Conference on Infectious Disease Dynamics. Charleston, SC. Dec 3-6, 2019. Abstract no. P3.052.
- 39) Boggis J, Plotke R, Irvine M, **Marshall BDL**, Coombs D, Walley A, Bratberg J, Green TC. Dynamics of the opioid epidemic and naloxone response in the United States: Results from a Delphi panel. APHA 2019: Annual Meeting & Expo. Nov 3, 2019.
- 40) 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. APHA 2019: Annual Meeting & Expo. Nov 6, 2019. Philadelphia, PA. Abstract no. 5130.0
- 41) Krebs E, Zang X, Enns B, Behrends C, Del Rio C, Dombrowski J, Feaster D, Gebo KA, Golden M, Granich R, **Marshall BDL**, Metsch L, Schackman BR, Shoptaw S, Strathdee S, Nosyk B. Determining the cost-effectiveness of HIV prevention and care interventions delivered at plausible scale across six U.S. cities: The impact of localized implementation. *Medical Decision Making*. 2020;40(1):E370-E372.
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- 43) Samuels EA, Wentz A, McCormick M, McDonald JV, Koziol J, **Marshall BDL**, Alexander-Scott NE. The impact of statewide emergency department opioid overdose treatment standards

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- 46) Zang X, Krebs E, Enns B, Min JE, **Marshall BDL**, Behrends CN, Feaster DJ, Del Rio C, Strathdee SA, Metsch LR, Shoptaw S, Schackman RB, Nosyk B. The status quo won't suffice: Modeled projections of the HIV/AIDS epidemic across 6 US cities. 10th IAS Conference on HIV Science, Mexico City, Mexico. July 21-24, 2019. Abstract no. MOPEC361.
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- 48) Bazzi AR, Childs E, Valente P, Salhaney P, Olson J, Earlywine JJ, **Marshall BDL**, Biello KB. Challenges implementing pre-exposure prophylaxis (PrEP) for people who inject drugs in non-urban areas of the United States. 10th IAS Conference on HIV Science, Mexico City, Mexico, July 21-24, 2019. Abstract no. MOPED600.
- 49) 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. IAS Conference on HIV Science 2019, Mexico City, Mexico. July 21-24, 2019. Abstract no. MOPEC358.
- 50) Adams JW, **Marshall BDL**, Nosova E, Nolan S, Barrios R, Milloy MJ. Receipt of medication-assisted treatment halves the risk of HIV-1 RNA viral load rebound for HIV-positive women who use illicit drugs. IAS Conference on HIV Science 2019, Mexico City, Mexico. July 21-24, 2019. Abstract-No: TUPDD0105.
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- 53) Li Y, Ahern J, Cerdá M, Hogan JW, Goedel WC, **Marshall BDL**. Predicting drug overdose deaths in Rhode Island: A comparison of machine learning methods and variable selection procedures. 52nd Annual Meeting of the Society for Epidemiologic Research. Minneapolis, MN. Jun 19, 2019.
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- 56) Edelman EJ, Li Y, Barry DT, Becker WC, Braden B, Chang J, Crystal S, Gaither JR, Gordon KS, Kerns RD, Manhapa A, Moore BA, Oldfield BJ, Park LS, Rentsch CT, Skanderson M, Tate JP, Justice AC, Fiellin DA, **Marshall BDL**. Trajectories of self-reported illicit opioid use among people living with HIV. College on Problems of Drug Dependence 81st Annual Scientific Meeting. San Antonio, TX. Jun 18th, 2019. Abstract no. 76.
- 57) Park J, Tomko C, Silberzahn B, **Marshall BDL**, Haney K, Sherman S. Short-term effectiveness of a brief fentanyl test strip intervention in reducing overdose risk among women who use street drugs. College on Problems of Drug Dependence 81st Annual Scientific Meeting. San Antonio, TX. Jun 19th, 2019.
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- 66) **Marshall BDL**, Banerjee G, Chang J, Becker W, Barry D, Braden JR, Crystal S, Gordon A, Gordon KS, Kerns RD, Merlin JS, Oldfield B, Park LS, Rentsch C, Skanderson M, Tate JP, Justice AC, Fiellin DA, Edelman EJ. Trajectories of non-medical use of prescription opioids among people living with HIV. *Journal of General Internal Medicine*. 2018;33(2):S372-S373.
- 67) Rentsch CT, Edelman EJ, Justice AC, **Marshall BDL**, Kranzler HR, Crystal S, Gaither JR, Gordon AJ, Fiellin DA, Tate JP, Becker WC, for the VACS Project Team. Validating electronic health (HER)-based prescription opioid phenotypes for genetic discovery. 22nd International Workshop on HIV and Hepatitis Observational Databases. Fuengirola, Spain. Mar 22-24, 2018. Abstract no. 59.
- 68) Adams JW, Lurie MN, Khan MR, Brady KA, Galea S, Friedman SR, **Marshall BDL**. Identifying optimal approaches to decreasing HIV acquisition in women through HIV care engagement

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- 69) Gantenberg J, King M, Montgomery MC, Galárraga O, Prosperi M, **Marshall BDL**, Chan PA. Improving statewide pre-exposure prophylaxis implementation among MSM. Conference on Retroviruses and Opportunistic Infections (CROI) 2018. Boston, MA. Mar 4-7, 2108. Abstract no. 632.
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- 72) Hirschtritt ME, Dauria E, **Marshall BDL**, Tolou-Shams M. Mental health of sexual minority justice youth. American Academy of Psychiatry and the Law 48th Annual Meeting. Denver, CO. Oct 26-29. 2017. Abstract no. 5003.
- 73) Soipe AI, Razavi H, Razavi-Shearer D, Galárraga O, Taylor LE, **Marshall BDL**. Chronic hepatitis C virus (HCV) burden in Rhode Island: Modelling treatment scale-up and elimination. 6th International Symposium on Hepatitis C in Substance Users (INHSU 2017). Jersey City, NJ. Sept 6-8, 2017. Abstract no. 118.
- 74) Soipe AI, Taylor LE, Aboiye AI, Green TC, Hadland SE, **Marshall BDL**. Prevalence of hepatitis C screening, testing and care experiences among young adults who use prescription opioids non-medically in Rhode Island. 6th International Symposium on Hepatitis C in Substance Users (INHSU 2017). Jersey City, NJ. Sept 6-8, 2017. Abstract no. 119.
- 75) Fernandez CA, Vicente B, **Marshall BDL**, Saldivia S, Kohn R, Koenen KC, Arheardt K, Buka SL. Longitudinal association between psychosocial stressors and psychiatric resilience among Chilean disaster survivors. 2017 American Psychological Association Annual Convention. Abstract no. ind170240. Aug 3-6, 2017. Atlanta, GA.
- 76) Fernandez CA, Koenen KC, Vicente B, Saldivia S, Kohn R **Marshall BDL**, Arheardt K, Buka SL. Longitudinal association between psychiatric comorbidities and PTSD among a cohort of Chilean disaster survivors. 2017 American Psychological Association Annual Convention. Abstract no. ind170240. Aug 3-6, 2017. Atlanta, GA.
- 77) Escudero DJ, Lurie MN, Mayer KH, King M, Galea S, Friedman SR, **Marshall BDL**. The risk of HIV transmission at each step of the HIV care continuum among people who inject drugs:

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- 79) Adams JW, Lurie MN, King M, Brady K, Khan M, Galea S, Friedman SR, **Marshall BDL**. The impact of mass incarceration of African American men on HIV acquisition among African American women: An agent-based modelling study. 9th IAS Conference on HIV Science (IAS 2017). Paris, France. Jul 23-26, 2017. Abstract no. MOLBPEC25.
- 80) Williams EC, McGinnis K, Bobb JF, Rubinsky AD, Lapham GT, Skanderson M, Catz S, Bensley KM, Richards J, Bryant K, Edelman EJ, Satre D, **Marshall BDL**, Kramer K, Blosnich J, Justice AC, Fiellin DA, Bradley KA. Changes in alcohol use associated with changes in a marker of HIV severity: A national longitudinal study in the Veterans Aging Cohort. *Alcoholism, Clinical & Experimental Research*. 2017;41(S1):151A. Abstract no. 533.
- 81) Fernandez CA, **Marshall BDL**, Vicente B, Saldivia S, Koenan K, Arheart K, Kohn R, Buka SL. Longitudinal association between psychiatric comorbidities and PTSD among a cohort of Chilean disaster survivors. Society for Epidemiology Research 50th Anniversary Meeting, Seattle, WA. June 20-23, 2017.
- 82) Liebling EJ, Green TC, Hadland SE, **Marshall BDL**. Buprenorphine and methadone misuse among young adults who use prescription opioids non-medically. Society for Epidemiologic Research 50th Anniversary Meeting, Seattle, WA. June 20-23, 2017.
- 83) Evans TI, Liebling EJ, Green TC, Hadland SE, Clark MA, **Marshall BDL**. Associations between physical pain, pain management, and frequency of non-medical prescription opioid use among young adults: A sex-specific analysis. Society for Epidemiologic Research 50th Anniversary Meeting, Seattle, WA. June 20-23, 2017.
- 84) **Marshall BDL**, Yedinak JL, Krieger MS, Liebling E, Bouvier B, Goyer J, Rich JD, Green TC, Koziol JA. Development and dissemination of a statewide, publicly accessible drug overdose surveillance and information system. 25th Harm Reduction International Conference. May 14-17, 2017.
- 85) **Marshall BDL**, Krieger MS, Ogera P, Banerjee P, Alexander-Scott NE, Rich JD, Green TC. Epidemiology of fentanyl-involved accidental drug overdose deaths—Rhode Island, 2014-2015. 25th Harm Reduction International Conference. May 14-17, 2017.
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- 179) **Marshall BDL**, Wood E, Zhang R, Tyndall MW, Montaner JSG, Kerr T. Elevated condom use among injection drug users accessing a medically supervised safer injecting facility. XVII International AIDS Conference, Mexico City, Mexico. Aug. 3-8, 2008. Abstract no. TUPE0551.
- 180) **Marshall BDL**, Soole A, Phillips S, Tait B & the YouthCO AIDS Society Forum Theatre Troupe. Forum theatre as youth-driven HIV peer education and empowerment: A partnership to reach rural Aboriginal youth in Canada. XVII International AIDS Conference, Mexico City, Mexico. Aug. 3-8, 2008. Abstract no. TUPE0807.
- 181) Montaner JSG, Kerr T, Li K, Zhang R, **Marshall BDL**, Harrigan PR, Hogg RS, Wood E. Longitudinal community plasma HIV RNA level and HIV incidence among injection drug users. XVII International AIDS Conference, Mexico City, Mexico. Aug. 3-8, 2008. Abstract no. LBPE1160.
- 182) Milloy MJ, **Marshall BDL**, Kerr T, Tyndall MW, Montaner JSG, Wood E. Characteristics of youth using North America's first supervised injection facility. XVII International AIDS Conference, Mexico City, Mexico. Aug. 3-8, 2008. Abstract no. CDC0646.
- 183) **Marshall BDL**, Wood E, Shoveller JA, Kerr T. Homelessness and unstable housing associated with increased risk of HIV and STI transmission among street-involved youth. 17th Annual Canadian Conference on HIV/AIDS Research, Montreal, QC. Apr. 25-27, 2008. Abstract no. O069.
- 184) **Marshall BDL**, Wood E, Li K, Montaner JSG, Kerr T. Physical violence among a prospective cohort of injection drug users: A gender-focused approach. 6th International Conference on Urban Health. Baltimore, MD. Oct. 31 – Nov. 2, 2007. Abstract no. 65.
- 185) **Marshall BDL**, Wood E, Li K, Montaner JSG, Kerr T. The prevalence and correlates of syringe borrowing among men who have sex with men in a cohort of injection drug users in Vancouver. 18th Annual International Conference on the Reduction of Drug Related Harm, Warsaw, Poland. May 13-17, 2007. Abstract no. 427.
- 186) Wong J, **Marshall BDL**, Wood E, Lai C, Kerr T. Addiction treatment experience among a cohort of street-involved youth in Vancouver. 16th Annual Canadian Conference on HIV/AIDS Research, Toronto, ON. Apr. 26-29, 2007. Abstract no. P257.

- 187) Bechhoefer J, **Marshall BDL**. How frog embryos replicate their DNA reliably. American Physical Society March Meeting, Denver, CO. Mar. 5-9, 2007. Abstract no. Y35.00004.

F. ACCEPTED & SUBMITTED ABSTRACTS

- 188) Macmadu A, Yolken A, Frueh L, Toussaint JR, Newman R, Jacka BP, Collins AB, Marshall BDL. Characteristics of events in which police responded to overdoses: An examination of incident reports in Rhode Island. 27th Harm Reduction International Conference (HR23), Melbourne, Australia. Apr 16-19, 2023.

G. INVITED ACADEMIC PRESENTATIONS

- 1) Cunningham C, **Marshall BDL**, See K. Innovations in harm reduction. Bloomberg American Health Summit 2022. Philadelphia, PA. Dec 7th, 2022.
- 2) Shihpar A, Brinkley-Rubinstein L, **Marshall BDL**. Strategies for dissemination to stakeholders and non-academic audiences. Lifespan/Brown Criminal Justice Research Training Fall 2022 Workshop. Providence, RI. Nov 18th, 2022.
- 3) **Marshall BDL**. Building an academic-state health department partnership to respond to the overdose crisis and improve population health. West Virginia University Department of Epidemiology and Biostatistics Departmental Seminar. Morgantown, WV. November 9th, 2022.
- 4) **Marshall BDL**. Leveraging machine learning to predict neighborhood-level overdose risk and scale harm reduction programs: Early lessons from the PROVIDENT project. Target Trial Emulation in Observational Research and Translational Testing of Advanced Digital Health Tools for SUD Prevention and Treatment. NIDA's National Drug Abuse Treatment Clinical Trials Network. (Webinar). September 29th, 2022.
- 5) **Marshall BDL**, Rivera S, See K, Cardelle C. Advances in overdose prevention and harm reduction in New York state. 2022 New York State Hepatitis C and Drug User Health Conference. (Webinar). September 21st, 2022.
- 6) **Marshall BDL**. The state of harm reduction in the US: Progress, barriers, and what's next. The American Osteopathic Academy of Addiction Medicine Seminar Series. (Webinar). September 14th, 2022.
- 7) **Marshall BDL**. Agent-based modeling to estimate the impact of syringe service programs on HIV transmission among people who inject drugs. Symposium on the Avenir Award Program for Research on Substance Use Disorders and HIV/AIDS. (Webinar). September 7th, 2022.
- 8) Beaudoin FL, **Marshall BDL**. The latest findings from the Navigator Trial: Access to SUD treatment services within 30 days of enrollment. (Webinar). August 9th, 2022.

- 9) **Marshall BDL**. Supervised consumption sites and overdose prevention in Rhode Island and the United States: Possibilities, prospects, and challenges. Rhode Island Society of Addiction Medicine Summer Lecture. (Webinar). July 6th, 2022.
- 10) **Marshall BDL**. Evaluating harm reduction approaches in the Northeast: Insights and approaches. 2022 NIDA International Forum. Virtual. Jun 9th, 2022.
- 11) **Marshall BDL**. Preventing overdose using information and data from the environment (PROVIDENT): A community-engaged, statewide, randomized controlled trial. 2022 American Psychiatric Association Annual Meeting. New Orleans, LA. May 24th, 2022.
- 12) Fox A, Rivera S, **Marshall BDL**. Overdose Prevention Centers – current challenges and opportunities. New York Society of Addiction Medicine 2022 Conference (Webinar). Feb 11th, 2022.
- 13) **Marshall BDL**. Supervised consumption sites and overdose prevention in the United States: Possibilities, prospects, and challenges. New Jersey Alliance for Clinical and Translational Science Special Populations Core Seminar Series. Rutgers University (Webinar). Feb 8th, 2022.
- 14) **Marshall BDL**, Krieger MS, Xiao Z, Bessey S, Behrends C, Schackman BR. PROFOUND: A naloxone and resource allocation tool. Center for Health Economics of Treatment Interventions for Substance Use Disorder, HCV, and HIV Webinar. Jan 27th, 2022.
- 15) Habecker P, Cerdá M, **Marshall BDL**, Winstanley E, Price JM. Panel discussion on policy. 2021 Symposium on Substance Use Research. Webinar. Nov 9th, 2021.
- 16) Li Y, **Marshall BDL**. Power calculations and effect size. Brown University Criminal Justice Research Training (CJRT) Program. Webinar. Oct 4th, 2021.
- 17) **Marshall BDL**. Supervised consumption sites as a means of promoting public health among people who use substances. Brown University AIDS Program Seminar Series. Webinar. Jul 8th, 2021.
- 18) Collins JE, Van Cleve NG, Honig B, **Marshall BDL**, Owens E, Williamson DA. The killing of George Floyd: A teach-in on policing and racial justice. Brown University Center for the Study of Race and Ethnicity in America and the Office of the Provost. Webinar. Apr 22nd, 2021.
- 19) Yedinak JL, **Marshall BDL**. Growing your grants garden: Tips & insights for building a research program. Lifespan/Brown CJRT Expert Webinar. Mar 2nd, 2021.

- 20) **Marshall BDL**. Supervised injection facilities as a harm reduction intervention for opioid use disorder. The Massachusetts Psychiatric Society Committee on Alcoholism and the Addiction Lecture Series. Webinar. Feb 17th, 2021.
- 21) **Marshall BDL**. The social, structural, and environmental drivers of the opioid overdose crisis. The Vermont Center on Behavior and Health Monthly Lecture Series. Webinar. Feb 17th, 2021.
- 22) **Marshall BDL**. A tale of two crises: Untangling the social and corporate determinants of overdose in the United States. Symposium on Unpacking Decreases in US Life Expectancy. Society for Epidemiologic Research 2020 Meeting. Webinar. Dec 18th, 2020.
- 23) **Marshall BDL**. One shot update on the epidemiology of the overdose crisis in North America. Lunchtime Session on Rapid Updates on Public Health Emergencies. Society for Epidemiologic Research 2020 Meeting. Webinar. Dec 16th, 2020.
- 24) **Marshall BDL**. The VILLAGE Prevention Plan: Improving prevention efforts and health outcomes for people who use drugs. *The 2020 NAHEWD Conference on Substance Use, HIV, and HCV in Rhode Island*. Webinar. Dec 14th, 2020.
- 25) Hazlett A, **Marshall BDL**, LaBelle R. Opioids and COVID-19: The impact of the pandemic on efforts to prevent and treat opioid use disorder. 2020 Association of Schools & Programs of Public Health Virtual Annual Meeting. Webinar. May 8th, 2020.
- 26) **Marshall BDL**, Arene-Morley D. The role of drug checking and other harm reduction interventions in responding to the US overdose crisis. The Higher Education Center for Alcohol and Drug Misuse Prevention and Recovery. Webinar. Jan 29th, 2020.
- 27) **Marshall BDL**. "Modeling strategies to address the US overdose crisis". Banff International Research Station. Banff, BC, Canada. Dec 3rd, 2019.
- 28) **Marshall BDL**, Adams JA. "Introduction to mathematical modeling: Understanding the dynamics of HIV, OUD, and incarceration". Lifespan/Brown Criminal Justice Research Training Fall 2019 Workshop. Providence, RI. Oct 21st, 2019.
- 29) **Marshall BDL**. "Usual and unusual care: Selecting control groups in behavioral intervention trials". 52nd Annual Meeting of the Society for Epidemiologic Research. Minneapolis, MN. Jun 18th, 2019.
- 30) **Marshall BDL**. "Collaborating with State and Local Partners to Drive Opioid Policies." Committee on Applied and Theoretical Statistics. The National Academies of Sciences, Engineering, and Medicine. Washington, DC. June 10th, 2019.

- 31) **Marshall BDL**. "From college hill to main street, USA: Brown's role in the fight against the opioid epidemic". Brown University Faculty in Focus Provost/SAC Lecture Series. Providence, RI. Apr 3rd, 2019.
- 32) **Marshall BDL**. "Leveraging surveillance to strengthen community-based overdose response: Insights from Rhode Island". University of Pennsylvania Injury Science Center. Philadelphia, PA. Mar 7th, 2019.
- 33) **Marshall BDL**. "The VILLAGE Project: Developing a predictive analytics model to identify neighborhoods vulnerable to HIV/HCV outbreaks and other drug-related harms." Emory University Center for AIDS Research Prevention Science Seminar. Atlanta, GA. Feb 21st, 2019.
- 34) **Marshall BDL**. "Putting People Before Politics: Centering Harm Reduction in the US Overdose Response". The Politics of the Opioid Epidemic. Taubman Center for American Politics and Policy. Providence, RI. Feb 1st, 2019.
- 35) **Marshall BDL**. "Agent-Based Models for Evaluating HIV Prevention Modalities in Sexual and Injecting Networks". Models and Machine Learning for Causal Inference and Decision Making in Health Research. Institute for Computational and Experimental Research in Mathematics. Providence, RI. Jan 15th, 2019.
- 36) **Marshall BDL**, Goedel WC. "Understanding the environmental context of fatal drug overdose in Rhode Island". Public Health Academic Working Group, Rhode Island Department of Health Public. Providence, RI. Nov 26th, 2018.
- 37) **Marshall BDL**. "Public health and policy responses to the overdose epidemic: What works?". Epi Plus HLPN Seminar Series, Boston University School of Public Health. Boston, MA. Oct 11th, 2018.
- 38) **Marshall BDL**. "Tackling the dual epidemic of HIV and overdose: Supervised consumption facilities and other innovative responses". HIV Grand Rounds of the Perelman School of Medicine at the University of Pennsylvania. Philadelphia, PA. May 10th, 2018.
- 39) **Marshall BDL**. "Responding to the nation's overdose crisis: Insights from Rhode Island". 2018 National Planning Conference. New Orleans, LA. April 22nd, 2018.
- 40) **Marshall BDL**. "Long-acting injectable PrEP for HIV prevention: Using agent-based modeling to evaluate potential effectiveness among men who have sex with men". University of Cape Town Epidemiology Seminar. Cape Town, SA. March 20th, 2018.
- 41) **Marshall BDL**. "Harm Reduction Approaches to Addiction including Supervised Injection Facilities". Boston University School of Medicine Family Medicine Grand Rounds. Boston, MA. December 20th, 2017.

- 42) **Marshall BDL**. "Evaluating HIV prevention strategies with agent-based models" Brown University Data Science Initiative Colloquium. Providence, RI. November 16th, 2017.
- 43) **Marshall BDL**. "Insight into Insite: The scientific evaluation of Vancouver's supervised injection facility and implications for Massachusetts". Massachusetts General Hospital Social Justice Rounds. Boston, MA. November 1st, 2017.
- 44) **Marshall BDL**. "Responding to the opioid overdose crisis in Rhode Island: Using research to guide public health policy". Brown University Office of the Vice President for Research (OVPR) Research Luncheon. Providence, RI. October 31st, 2017.
- 45) **Marshall BDL**. "Responding to the rapidly evolving opioid overdose crisis: Insights from Rhode Island". NYU School of Medicine Department of Population Health, Division of Epidemiology Seminar Series. New York City, NY. October 12th, 2017.
- 46) **Marshall BDL**, Dimitri DM. "Safe Injection Facilities: The What, Why, and How?" Massachusetts Medical Society Suffolk District Fall Meeting. Boston, MA. October 4th, 2017.
- 47) **Marshall BDL**. "Responding to the opioid overdose crisis: Insights from Rhode Island." University of Massachusetts Medical School Department of Quantitative Health Sciences Seminar. Worcester, MA. October 4th, 2017.
- 48) **Marshall BDL**. "Using agent-based models to evaluate novel HIV prevention modalities: The potential effectiveness of long-acting preexposure prophylaxis (LA-PrEP) for men who have sex with men". Yale Center for Interdisciplinary Research on AIDS Seminar Series. New Haven, CT. September 12th, 2017.
- 49) **Marshall BDL**. "Agent-based modeling to inform HIV prevention and treatment strategies that reduce disparities and maximize impact". Yale University Center for Infectious Disease Modeling and Analysis Seminar Series. New Haven, CT. August 4th, 2017.
- 50) **Marshall BDL**. "Predictors and consequences of long-term substance use trajectories". University of Florida, Southern HIV & Alcohol Research Consortium (SHARC) Research Seminar. Gainesville, FA. July 24th, 2017.
- 51) **Marshall BDL**. "The scientific evaluation of Vancouver's supervised injection facility: Public health, politics, and implications for Massachusetts." Boston Medical Center ED Grand Rounds. Boston, MA. July 12th, 2017.
- 52) **Marshall BDL**. "Geospatial patterns of fentanyl overdose & overdose surveillance systems in Rhode Island". Society for Epidemiologic Research 50th Anniversary Meeting. Seattle, WA. June 21st, 2017.

- 53) **Marshall BDL**. “Public health policies and interventions to address the rapidly evolving opioid epidemic: From data to action”. Columbia University Mailman School of Public Health. New York, NY. March 23rd, 2017.
- 54) **Marshall BDL**. “Supervised injection facilities for substance use disorders: Health, politics, and harm reduction”. Harvard Medical School Center for Primary Care. Boston, MA. March 21st, 2017.
- 55) **Marshall BDL**. “Insights from the opioid and overdose crisis in Rhode Island: Using data to drive policy and action.” Clifford Attkisson Clinical Services Research Training Program, University of California, San Francisco. San Francisco, CA. March 3rd, 2017.
- 56) **Marshall BDL**. “Agent-Based Modeling to Inform Strategies that Reduce HIV Disparities and Maximize Intervention Impact”. Regional Workshop: The Mathematics of Disease – Using Modeling Research in HIV/AIDS Prevention and Care. Providence, RI. February 7th, 2017.
- 57) **Marshall BDL**. “Using Microsimulation to Inform HIV Prevention and Treatment Strategies that Reduce Disparities and Maximize Impact”. New York University Center for Drug Use and HIV/HCV Research Monthly Seminar. New York, NY. January 10th, 2017.
- 58) **Marshall BDL**. “www.PreventOverdoseRI.org: Rhode Island’s Online Overdose Surveillance “Dashboard”. The Southern Opioid Epidemic: Creating an Effective Public Health Response. Atlanta, GA. Dec 20th, 2016.
- 59) **Marshall BDL**. “Patterns, Predictors, and Consequences of Non-Medical Prescription Opioid Use in the VACS”. VACS-COMpAAAS Scientific Meeting. Washington, DC. Dec 12th, 2016.
- 60) **Marshall BDL**. “State and Local Efforts to Address the Opioid and Overdose Crisis”. Bridging Health Disparities to Address the Opioid Epidemic. The Warren Alpert Medical School, Brown University. Providence, RI. Oct 5th, 2016.
- 61) **Marshall BDL**. “Rhode Island’s Drug Overdose Dashboard”. Rhode Island Department of Health Academic Working Group. Providence, RI. June 27th, 2016.
- 62) **Marshall BDL**. Epidemiology as a Moral Science. 2016 Epidemiology Congress of the Americas. Miami, FL. June 23rd, 2016.
- 63) Ogbuagu O, **Marshall BDL**. Project PHIRE: PrEP HIV Intervention and Realistic Effects of Substance Use. New England HIV Implementation Science Network 3rd Annual Symposium. Mystic, CT. June 2nd, 2016.
- 64) Green TC, **Marshall BDL**. “Emerging illicit fentanyl overdose epidemic: The view from Rhode Island”. National Rx Drug Abuse & Heroin Summit. Atlanta, GA. March 28th, 2016.

- 65) Taylor LE, **Marshall BDL**. "Hepatitis C in Rhode Island: Modeling Treatment Scale-up and Elimination". The Miriam Hospital Infectious Disease Division Grand Rounds. Providence, RI. Feb 24th, 2016.
- 66) **Marshall BDL**. "The impact of HAART coverage on acute HIV transmission dynamics among people who inject drugs." Lifespan/Tufts/Brown Center for AIDS Research World AIDS Day Symposium, Boston, MA. Dec 1st, 2015.
- 67) **Marshall BDL**. "The Rhode Island Young Adult Prescription Drug Study (RAPiDS): Injection Drug Use, Overdose, and HIV/HCV Risk among Young Adult Opioid Users." Adult and Pediatric ID Fellowship Combined Research Conference, Providence, RI. Nov 24th, 2015.
- 68) **Marshall BDL**. "Acute HIV transmission dynamics in high risk populations: An agent-based modeling approach". International Symposium on Biomathematics and Ecology Education and Research, Normal, IL. Oct 10th, 2015.
- 189) **Marshall BDL**. "Estimating the population-level effect of homelessness on HIV viral suppression among people who use drugs: An observational study." North American Housing and HIV/AIDS Research Summit VIII, Washington, DC. Sept 14-16, 2015.
- 69) **Marshall BDL**. "Targeting antiretroviral-based prevention and treatment strategies to curtail HIV transmission and maximize impact". Society for Epidemiologic Research 2015 Annual Meeting, Denver, CO. Jun 18th, 2015.
- 70) **Marshall BDL**. "Contextualizing complexity: When are systems science methods constructive?" Society for Epidemiologic Research 2015 Annual Meeting, Denver, CO. Jun 19th, 2015.
- 71) **Marshall BDL**. "Examining alcohol and substance use trajectories among participants in the VACS: Challenges and considerations". VA Connecticut Healthcare System Work-in-Progress Seminar. West Haven, CT. Feb 17th, 2015.
- 72) **Marshall BDL**. "Agent-based modeling to examine combination HIV prevention programs for drug-using populations". 2014 National CFAR Symposium, Providence, RI. Nov 6th, 2014.
- 73) **Marshall BDL**, Kinnard L. "Scope of the problem: Modeling the epidemiology of HCV in Rhode Island". Treating and Defeating Hepatitis C in RI, Providence, RI. May 16th, 2014.
- 74) **Marshall BDL**. "Unhealthy alcohol use and long-term drinking trajectories among HIV+ male veterans who have sex with men". 2014 CHAART Scientific Meeting, Washington, DC. May 15th, 2014.
- 75) **Marshall BDL**. "The Role of the Scientific Community in the Shaping of Evidence-Based Drug Policy: Vancouver's Supervised Injection Site as an Illuminating Example." Les Rencontres

de Biarritz: Colloque Européen et International Toxicomanies Hépatites SIDA, Biarritz, France. Oct. 11, 2013.

- 76) **Marshall BDL**. "Complex Systems Approaches to Evaluate Combination HIV Prevention Programs for Drug-using Populations." Brown University Population Studies & Training Center Colloquium, Providence, RI. Feb. 21, 2013.
- 77) **Marshall BDL**. "Agent-based modeling to compare effectiveness of HIV testing, treatment, and linkage to care strategies for drug-using populations". Center for Primary Care and Prevention Grand Rounds, Memorial Hospital, Pawtucket, RI. Jan. 9, 2013.
- 78) **Marshall BDL**. "Complex systems approaches to evaluate population health interventions: An example from HIV epidemiology". Epidemiology Department Seminar Series, Brown University, Providence, RI. Nov. 20, 2012.
- 79) **Marshall BDL**. "Combination interventions for the prevention of HIV among injection drug users: A complex systems dynamic model". Brown University AIDS Program Clinical AIDS Task Force Meeting, Providence, RI. Sep. 5, 2012.
- 80) **Marshall BDL**. "The science of Insite: Inside the evaluation of Vancouver's supervised injection site" [keynote address]. UBC Experimental Medicine Student Research Day, Vancouver, BC. Nov. 22, 2011.
- 81) **Marshall BDL**, Kerr T. "Housing as HIV prevention for people who inject drugs: A review of public health evidence for effective policy response." North American Housing and HIV/AIDS Research Summit IV, New Orleans, LA. Sep. 22, 2011.
- 82) **Marshall BDL**. "North American's first supervised injection facility – Evidence of harm reduction." American Academy of Clinical Toxicology Pre-Meeting Symposium, Washington, DC. Sep. 21, 2011.
- 83) **Marshall BDL**. "New methods and interventions to prevent HIV and other harms among drug users." Yale School of Public Health Division of Epidemiology (Microbial Diseases) Seminar, New Haven, CT. Aug. 16, 2011.
- 84) **Marshall BDL**. "New approaches for old problems? Addressing the causes and consequences of illicit drug use." Brown University Department of Epidemiology Seminar, Providence, RI. May 19, 2011.
- 85) **Marshall BDL**. "Insight on Insite: Summary of findings from the scientific evaluation of Vancouver's SIF." University of Alberta Health Law Institute and Centre for Constitutional Studies Seminar Series, Edmonton, AB. Nov. 2, 2010.

- 86) **Marshall BDL**. “Reduction in overdose mortality following the opening of a medically supervised injecting facility” (plenary speaker). 2010 American College of Epidemiology Annual Meeting, San Francisco, CA. Sep. 14, 2010.
- 87) **Marshall BDL**. “Homelessness and unstable housing associated with an increased risk of HIV & STI transmission among street-involved youth” (plenary speaker). North American Housing and HIV/AIDS Research Summit IV, Washington, DC. June 4, 2009.
- 88) **Marshall BDL**. “High prevalence of HIV infection among homeless and street-involved Aboriginal youth”. Canadian Student Health Research Forum, Winnipeg, MB. June 3, 2009.
- 89) **Marshall BDL**, Maynard R. “The science behind Vancouver’s supervised injection facility.” University of British Columbia Chapman Learning Commons Forum, Vancouver, BC. Oct. 23, 2008.
- 90) **Marshall BDL**. “Longitudinal community plasma HIV-1 RNA levels and HIV incidence among injection drug users.” BC Centre for Excellence HIV/AIDS Antiretroviral Update, Vancouver, BC. June 6, 2008.
- 91) **Marshall BDL**. “Contextual factors associated with an increased risk of HIV and STI transmission among street-involved youth.” 6th Annual Western Regional International Health Conference, Simon Fraser University, Burnaby, BC. May 24, 2008.
- 92) **Marshall BDL**. “Modelling FtsZ ring formation during the early stages of *E. coli* cell division.” Simon Fraser University Biophysics Seminar, Burnaby, BC. May 29, 2006.
- 93) **Marshall BDL**. “Dynamic oscillatory behaviour of Min proteins during *E. coli* Cell division.” UBC Department of Mathematics Work in Progress Seminar, Vancouver, BC. Oct. 23, 2005.
- 94) **Marshall BDL**. “How a bacterium finds its centre: Modelling the Min system in *E. coli*.” NSERC Undergraduate Research in Mathematics Day, Simon Fraser University, Burnaby, BC. Aug. 13, 2005.

H. INVITED NON-ACADEMIC PRESENTATIONS

- 95) **Marshall BDL**. Responding to the opioid overdose crisis: The role of harm reduction in state/provincial responses. CSG East's 61st Annual Meeting and Regional Policy Forum. Manchester, NH. Aug 16th, 2022.
- 96) **Marshall BDL**. An overview of supervised consumption sites. City of Worcester Opioid Task Force (virtual). June 22nd, 2022.
- 97) Bailer D, **Marshall BDL**. Expert presentations to the Rhode Island Opioid Settlement Advisory Committee. Cranston, RI. June 20th, 2022.

- 98) **Marshall BDL**. An overview of supervised consumption sites. City of Worcester Board of Health (virtual). May 16th, 2022.
- 99) **Marshall BDL**. PreventOverdoseRI, Rhode Island's overdose information dashboard: 2020 updates. Governor Raimondo's Overdose Prevention and Intervention Task Force. Providence, RI. Nov 9th, 2020.
- 100) **Marshall BDL**. The road to reopening: A conversation with Brandon Marshall, PhD. The Wilbury Theatre Group. Providence, RI. May 13th, 2020.
- 101) **Marshall BDL**. The VILLAGE Prevention Plan: Improving prevention efforts and health outcomes for people who use drugs. The VILLAGE Prevention Plan Workshop. Providence, RI. Nov 22nd, 2019.
- 102) **Marshall BDL**. PreventOverdoseRI.org, Rhode Island's Drug Overdose Dashboard: 2019 Visual & Content Refresh. Governor Gina Raimondo's Overdose Prevention & Intervention Task Force. Providence, RI. Nov 13th, 2019.
- 103) **Marshall BDL**. Putting People Before Politics: Centering Harm Reduction in the US Overdose Response (keynote address). 2019 Pennsylvania Harm Reduction Conference. Harrisburg, PA. Oct 28th, 2019.
- 104) Milette M, Bennett J, Attilio L, **Marshall BDL**. Policy and solutions to the opioid epidemic. South by Southwest (SXSW). Austin, TX. Mar 8th, 2018.
- 105) **Marshall BDL**. "Update on overdose deaths in Rhode Island communities". Governor's Overdose Prevention and Intervention Task Force. Providence, RI. Oct 10th, 2018.
- 106) **Marshall BDL**. "Facts vs. fiction of supervised consumption facilities". Cambridge Health Department. Cambridge, MA. Aug 23rd, 2018.
- 107) **Marshall BDL**. "Insight into Insite: Vancouver's supervised injection facility". Prevention Point Workshop. Philadelphia, PA. May 11th, 2018.
- 108) **Marshall BDL**. "Responding to Rhode Island's overdose epidemic." Rhode Island Academy of Physician Assistants 3rd Annual Spring CME Conference. North Smithfield, RI. April 14th, 2018.
- 109) **Marshall BDL**. "Supervised consumption facilities and other harm reduction approaches to the opioid overdose epidemic." Lowell Opioid Task Force. Lowell, MA. April 13th, 2018.
- 110) **Marshall BDL**. "What are medically supervised consumption centers?" Medically Supervised Consumption Centers: A Conversation. The Warren Alpert Medical School of Brown University. Providence, RI. March 6th, 2018.

- 111) **Marshall BDL**. "Using data to guide & evaluate responses to the opioid crisis: Rhode Island's drug overdose dashboard". National Network of Libraries of Medicine Webinar about Addiction & Opioid Crisis. Webinar. March 1st, 2018.
- 112) **Marshall BDL**. "Strategies to address the overdose crisis: A view from Rhode Island". Responding to the Opioid Epidemic (three-part series). American Planning Association. Webinar. February 20th, 2018.
- 113) **Marshall BDL**. "How Rhode Island Projected a 10% Decrease in Opioid Deaths for 2017". Rhode Island Executive Office and Health and Human Service Lunch & Learn. Cranston, RI. December 15th, 2017.
- 114) **Marshall BDL**. "Safe Injection Facilities: What Are They & How Do They Reduce Overdose Deaths?" Public Form: Reducing Opioid Overdose Deaths—What Works? Springfield, MA. November 30th, 2017.
- 115) **Marshall BDL**. "Update on the opioid epidemic". Rhode Island Public Health Association Annual Meeting Keynote Address. Cranston, RI. November 1st, 2017.
- 116) **Marshall BDL**. "Building a comprehensive response to the opioid overdose crisis: Insights from Rhode Island". Brown University Family Weekend Academic Forum. Providence, RI. October 14th, 2017.
- 117) **Marshall BDL**. "Insight into Insite: Evaluating North America's First Supervised Injection Facility". Ends AIDS: The HIV Prevention and Outreach Summit. Philadelphia, PA. June 7th, 2017.
- 118) Nunn A, Chan PA, **Marshall BDL**. "Seizing the Moment to End Hepatitis C in Rhode Island: A Discussion with Experts and Advocates". Rhode Island Public Radio. Providence, RI. Nov 17th, 2016.
- 119) Koziol J, **Marshall BDL**. "Rhode Island's Communications Strategy and Drug Overdose Data Dashboard". National Governor's Association Learning Lab on State Strategies for Reducing Overdose Deaths from Heroin and Illicit Fentanyl: Lessons from Rhode Island. Newport, RI. Oct 20th, 2016.
- 120) **Marshall BDL**. "Prevent Overdose RI: Providing real-time data to track progress toward ending Rhode Island's overdose crisis". Governor's Overdose Prevention and Intervention Task Force. Providence, RI. Sept 14th, 2016.
- 121) **Marshall BDL**, Mahoney L. "Governor's Overdose Task Force Dashboard". Rhode Island Executive Office of Health and Human Services (EOHHS) Task Force. Warwick, RI. March 28th, 2016.

- 122) **Marshall BDL**, Green TC. “Emerging trends in Rhode Island: Youth & Fentanyl”. Rhode Island Drug Overdose Prevention and Rescue Coalition. Pawtucket, RI. March 16th, 2016.
- 123) **Marshall BDL**. “Rhode Island’s Drug Overdose Dashboard”. Rhode Island Governor’s Overdose Prevention and Intervention Task Force. Providence, RI. March 9th, 2016.
- 124) **Marshall BDL**. “The ARYS Project: Examining the treatment and harm reduction needs of street-involved youth in Vancouver.” Vancouver Coastal Health Youth Addiction Treatment Service Providers Meeting, Vancouver, BC. Dec. 2, 2010.
- 125) **Marshall BDL**. “The ARYS Project: Addressing the needs of street-involved youth in Vancouver.” Vancouver Coastal Health Needle Exchange Service Providers Meeting, Vancouver, BC. Mar. 5, 2010.
- 126) **Marshall BDL**. “Young people and HIV in BC: An epi update.” YouthCO AIDS Society Speaker’s Bureau Community Night, Vancouver, BC. Nov. 24, 2009.

I. PROFESSIONAL PUBLICATIONS & TECHNICAL REPORTS

- 1) Collins AB, Flam-Ross J, Casey S, Thompson TJ, Kelley S, Hurd C, Gaur D, Shihpar A, **Marshall BDL**. Somerville supervised consumption site: Needs assessment and feasibility report. Commissioned Report for the City of Somerville, Massachusetts. June, 2021. DOI: 10.3886/E143301V1.
- 2) Green TC, Rich JD, **Marshall BDL**, Bratberg J, Goyer J, McCance-Katz E. Rhode Island’s Strategic Plan on Addiction and Overdose: Four Strategies to Alter the Course of an Epidemic. Commissioned Report, Rhode Island Governor’s Overdose Prevention and Intervention Task Force. November, 2015.
- 3) **Marshall BDL**, Wood E. Towards a comprehensive approach to HIV prevention for people who use drugs. Commissioned Report, National Institute on Drug Abuse/International AIDS Society Consultation Meeting, ‘Prevention and Treatment of HIV/AIDS among Drug Using Populations: A Global Perspective’, Washington, DC. January, 2010.
- 4) **Marshall BDL**. HIV among homeless and street-involved youth: a growing concern. *Living + Magazine*. 2009;62:34.

J. AUTHORED LETTERS TO LAY MEDIA

- 1) Shihpar A, Collins AB, **Marshall BDL**. What to do with opioid settlement funds? Open overdose prevention centers. *The Boston Globe*. Sept 5th, 2022.
- 2) Raifman J, Sosin A, Gonsalves G, **Marshall BDL**, Samuels E, Strout TD. Our best shot at controlling COVID: Data-driven mask mandates amplify protection of vaccines. *USA Today*. Sept 9th, 2021.

- 3) Hadland SE, **Marshall BDL**. Drug companies hold enormous sway over our health care. *Newsweek*. June 28th, 2021.
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9. RESEARCH GRANTS

A. GRANTS CURRENTLY HELD

Evaluation of the First State-Authorized Overdose Prevention Centers in the United States

Role on Project: co-Principal Investigator

Funder: Open Society Foundations

Project Period: Oct 15th, 2022 – Apr 15th, 2024

Project Identifier: OR2022-87525

Description: The goals of this research program are to conduct a rigorous, mixed-methods, prospective evaluation of the first state-authorized OPCs in the US, and to rapidly disseminate findings to RI and national elected officials, policymakers, and departments of health.

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

Role on Project: co-Principal Investigator

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Sep 30th, 2019 – Jul 31st, 2024

Project Identifier: R01-DA046620

Description: The objectives of this project are to leverage surveillance data to predict future overdose outbreaks, and to evaluate the impact of a randomized, statewide, community-level intervention trial to target overdose prevention programs to neighborhoods at highest risk of future overdose deaths. This study develops and tests an opioid overdose forecasting tool, which will allow other states to identify and deploy interventions to communities at highest risk of opioid-related death. This results study will significantly improve the allocation of resources to curb the opioid overdose epidemic in the United States.

The Rhode Island Young Adult Prescription and Illicit Drug Study (RAPIDS): Responding to Fentanyl and Associated Harms

Role on Project: Principal Investigator

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: August 15th, 2019 – March 31st, 2024

Project Identifier: R01-DA047975

Description: 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 counselling 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.

Prevention and Rescue of Fentanyl and Other Opioid Overdoses Using Optimized Naloxone Distribution Strategies (PROFOUND)

Role on Project: co-Principal Investigator

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: May 15th, 2019 – February 29th, 2024

Project Identifier: U01-DA047408

Description: To address the opioid crisis in this study we will estimate the impact of alternative strategies for community and pharmacy distribution of naloxone on minimizing overdose fatalities and optimizing allocation of available resources in these locations.

Reducing Drug-Related Mortality Using Predictive Analytics: A Randomized, Statewide, Community Intervention Trial (COVID-19 Supplement)

Role on Project: co-Principal Investigator

Project Period: August 1st, 2020 – July 31st, 2024

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA046620-02S1

Description: This COVID-19 supplement will seek to understand the spatial and temporal relationships between COVID-19 and overdose disease burden in Rhode Island.

Reducing Drug-Related Mortality Using Predictive Analytics: A Randomized, Statewide, Community Intervention Trial (Overdose Prevention Center Supplement)

Role on Project: co-Principal Investigator

Project Period: August 1st, 2020 – July 31st, 2024

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA046620-03S1

Description: We will evaluate immediate, post-overdose prevention center (OPC) implementation changes in measures of drug-related public disorder (e.g., drug use in public, drug-related litter) and compare these changes to trends in control neighborhoods that do not contain OPCs (Aim 1). We will also establish the feasibility of recruiting and retaining a prospective cohort of clients who use an OPC in New York City and Rhode Island to examine a range of behavioral, health, and linkage to care outcomes (Aim 2).

The Rhode Island Young Adult Prescription and Illicit Drug Study (RAPIDS): Responding to Fentanyl and Associated Harms (Supplement)

Role on Project: Principal Investigator

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: August 15th, 2019 – March 31st, 2024

Project Identifier: R01-DA047975-S1

Description: This study will collect dried blood spots from human subjects participating in the parent study (RAPIDS) to determine the presence and risk factors for novel fentanyl analogs.

COBRE on Opioids and Overdose Core B: Data and Research Methods

Role on Project: Principal Investigator

Funder: National Institutes of Health (National Institute of General Medical Sciences)

Project Period: September 1, 2018 – August 31, 2023

Project Identifier: P20-GM125507

Description: By providing quantitative expertise, research infrastructure, and technological resources, the DRM Core will strengthen the quality of the work produced by COBRE Project Leaders and enhance their data use/management capacity.

Overdose Data to Action

Role on Project: Subcontract Principal Investigator

Project Period: September 15th, 2015 – September 14th, 2022

Funder: Centers for Disease Control and Prevention (CDC)

Project Identifier: RFA-CE15-1501

Description: The objective of this grant is to develop a drug overdose “dashboard” in which to conduct, track, and evaluate overdose surveillance activities in the state of Rhode Island.

Evaluation of Peer Navigators for Emergency Department Patients Presenting with an Opioid Overdose

Role on Project: co-Principal Investigator

Funder: Arnold Ventures

Project Period: July 1, 2018 – June 30, 2023

Description: The Navigator trial aims to determine whether a novel peer-led behavioral intervention (peer navigation) can increase treatment engagement in the ED and reduce the risk of future opioid overdose versus a standard behavioral intervention delivered by social work and compared with standard care in individuals who decline any behavioral intervention.

Causal Inference Methods for HIV Prevention Studies among Networks of People who use Drugs

Role on Project: Co-Investigator & PI of Sub-contract (PI: A. Buchanan, URI)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: July 1st, 2018 – May 31st, 2023

Description: We propose to develop statistical inference methods combined in novel ways with network science applicable in settings with social influence and when statistical dependence may be present.

Improving Prevention Systems to Reduce Disparities for High Priority Populations

Role on Project: Co-Investigator (PI: S. Golub)

Funder: National Institutes of Health (National Institute of Mental Health)

Project Period: May 1, 2018 – Jan 31, 2023

Project Identifier: R01-MH115835

Description: The specific aims of this study are to pilot and refine a field-based comprehensive sexual health intervention delivered through the NYC DOHMH Partner Services Program, and to examine the effectiveness of the Partner Services-Sexual Health (PS-SH) intervention in improving rates of HIV testing, linkage to HIV prevention/care, and PrEP uptake among highest risk contacts recently exposed to HIV.

Implementing Statewide Emergency Department Care Pathways for Addiction Recovery after Opioid Overdose

Role on Project: Co-Investigators & PI of Sub-Contract (PI: F. Beaudoin, Lifespan)

Funder: Centers for Disease Control and Prevention

Project Period: September 30th, 2019 – September 29th, 2023

Project Identifier: R01-CE003149

Description: This project leverages thousands of hours of work by the investigative team in conducting studies related to opioid overdose, opioid use disorders, and implementation of ED opioid overdose interventions. This proposal benefits from: (1) a small state with existing connections to all EDs in the state, (2) comprehensive statewide databases with existing data use agreements, allowing access to patient-level and aggregated data across all partner RI EDs, and (3) extensive support across key state partners and stakeholders.

Localized Economic Modeling to Optimize Public Health Strategies for HIV Treatment and Prevention

Role on Project: Consultant (PI: B. Nosyk)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Mar 1st, 2016 – Aug 31st, 2026

Project Identifier: R01-DA041747

Description: The purpose of this project is to explore localized economic modeling to optimize public health strategies and cost-effectiveness for HIV treatment and prevention.

B. COMPLETED GRANTS

Developing Patient-Level Risk Prediction Models for Prescription Opioid Overdose

Role on Project: Co-Investigator & PI of Sub-Contract (PI: S. Henry, UCSD)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Sept 30th, 2017 – July 31st, 2022

Project Identifier: R01-DA044282

Description: The objective of this project is to identify opioid prescribing patterns associated with: a) new opioid users' transition to long-term use, b) fatal and nonfatal opioid-related overdose, and c) repeat overdose.

Characterizing the HIV Pre-Exposure Prophylaxis Care Continuum for African American and Hispanic/Latino Men Who Have Sex with Men

Role on Project: Co-Investigator (co-PI: P. Chan & A. Nunn)

Funder: National Institutes of Health (National Institute of Mental Health)

Project Period: Sept 15th, 2017 – June 30th, 2022

Project Identifier: R01-MH114657

Description: This study follows a longitudinal, observational cohort MSM in real-world PrEP programs in Mississippi, Missouri, and Rhode Island to both characterize a PrEP care continuum and predict why MSM are sub-optimally adherent or lost to care, with a focus on measuring racial and ethnic disparities.

Impacts of Universal Access to HIV/AIDS Care among HIV+ Injection Drug Users

Role on Project: Co-Investigator (PI: M. Milloy)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Jun 1, 2017 – May 31, 2022

Project Identifier: U01-DA021525

Description: The objective of this project is to examine the effects of prescription opioid misuse on injection initiation, cessations, HIV behavior, and overdose among substance users in Vancouver, Canada. This prospective cohort study will also illuminate individual, social, and structural factors that shape early and established injecting careers.

Non-Medical Use of Prescription Opioids Among HIV-Infected Individuals: Trajectories and Impact on Health Outcomes

Role on Project: Co-Investigator (PI: E.J. Edelman)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Jul 1, 2015 – Apr 30, 2022

Project Identifier: R01-DA040471

Description: The aims of this study are to use existing longitudinal data on HIV+ individuals in the Veterans Aging Cohort Study to characterize trajectories of non-medical use of prescription opioids (NMUPO) and the association between NMUPO and HIV-related outcomes.

Highly Adaptive Epidemic Control Strategies for HIV Prevention in Drug Users

Role on Project: Principal Investigator

Project Period: July 1st, 2015 – May 31st, 2021

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: DP2-DA040236

Description: This project will determine how combination HIV prevention programs should be prioritized to reduce and eventually eliminate HIV transmission among people who inject drugs (PWID). A novel approach known as agent-based modeling will be used to inform how HIV prevention strategies for PWID should be tailored to specific epidemics and contexts.

Rhode Island Department of Health COVID-19 Data Tracker

Role on Project: Subcontract Principal Investigator

Project Period: July 1st, 2020 – June 30th, 2021

Funder: Rhode Island Department of Health

Description: The purpose of this project is to develop, implement, and improve Rhode Island's public-facing COVID-19 data dashboard. The long-term goals are to improve useability and accessibility of COVID-19 data.

Medicaid Opioid Use Disorder (OUD) Treatment Outcomes and Recovery (MOTOR) Study

Role on Project: Consultant (PI: R. Bossarte)

Funder: West Virginia Medicaid Program

Project Period: Oct 1st, 2019 – Sep 30th, 2021

Description: The purpose of this project is to explore factors associated with retention in opioid use disorder treatment among West Virginia Medicaid recipients.

Evaluating the Implementation and Impact of a Novel Medication-Assisted Treatment Program in a Unified Jail and Prison System

Role on Project: Co-Investigator (PI: J. Rich)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Sep 1, 2017 – Aug 31, 2020

Project Identifier: R21-DA043487

Description: This research aims to evaluate a comprehensive medication assisted treatment (MAT) program delivered to inmates at a unified jail and prison system in Rhode Island.

Vancouver Drug Users Study: Evaluating the Natural History of Injection Drug Use

Role on Project: Co-Investigator (PI: T. Kerr)

Project Period: Dec 1, 2014 – Nov 30, 2019

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: U01-DA038886

Description: The objective of this project is to examine the effect of prescription opioid misuse on injection initiation, cessation, HIV risk behavior, and overdose among substance users in Vancouver, Canada. This prospective cohort study will also illuminate individual, social, and structural factors that shape early and established injecting careers.

Gender-Responsive Drug Use Treatment for Juvenile Justice Girls

Role on Project: Co-Investigator (PI: M. Tolou-Shams)

Project Period: September 1, 2014 – June 30th, 2019

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA035231

Description: This study will advance scientific knowledge and clinical practice in the drug treatment and public health fields by testing the efficacy of a pre-existing, widely disseminated gender-responsive substance use treatment (VOICES) on drug use and HIV/STI risk behavior outcomes for substance-using, court-involved, non-incarcerated girls.

Drug Use and HIV/STI Risk Trajectories in Court-Involved, Non-Incarcerated Juvenile Offenders

Role on Project: Co-Investigator (PI: M. Tolou-Shams)

Project Period: Sept 1, 2013 – March 31, 2019

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA034538

Description: This project seeks to examine the developmental trajectories of drug use, HIV/STI risk behaviors, psychiatric symptoms, and recidivism among court-involved, non-incarcerated youth. Individual, family, and community risk and protective factors will also be investigated.

Prescription Drug Monitoring Programs and Opioid-Related Harm

Role on Project: Consultant (PI: M. Cerdá)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: Apr 15th, 2016 – Jan 31st, 2019

Project Identifier: R01-DA039962

Description: This project will test the impact of variations in prescription drug monitoring program (PDMP) characteristics on rates of hospitalizations due to prescription opioid and heroin overdose across 16 U.S. states.

Novel Methods for Research on Young Rural Opioid Users at Risk of HIV, HCV & OD

Role on Project: Consultant (PI: H.L. Cooper & A.M. Young)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: July 1st, 2016 – June 30th, 2018

Project Identifier: R21-DA042727

Description: This mixed-methods study will lay the foundations for a new generation of high-impact multilevel research and interventions into how risk environments influence NMPO and heroin use; injecting transitions; and HIV, hepatitis C, and overdose risk among young adults in multiple US rural counties.

The British Columbia Addiction Network (Canadian Research Initiative in Substance Misuse)

Role on Project: Collaborator

Project Period: December 1st, 2014 – November 11th, 2019

Funder: Canadian Institutes of Health Research (Neurosciences, Mental Health, and Addiction)

Description: This project aims to establish a collaborative team of addiction researchers, service providers, and affected community members positioned to establish a network and undertake addiction clinical trials as part of the Canadian Research Initiative in Substance Misuse.

Enhancing Population Impact of HIV Pre-Exposure Prophylaxis Implementation

Role on Project: Principal Investigator

Funder: National Institutes of Health (National Institute of Mental Health)

Project Period: Apr 5, 2016 – Mar 31, 2019

Project Identifier: R21-MH109360

Description: This project uses data from a statewide PrEP implementation project to model and evaluate the program's impact on HIV transmission at the community level.

Rapid Self-Testing to Prevent Fentanyl Overdose among Young People who use Drugs

Role on Project: Principal Investigator

Funder: Brown University Research Seed Fund

Project Period: Mar 1, 2017 – May 31, 2018

Description: This pilot study will test the feasibility of a rapid "take home" fentanyl testing intervention among drug-using young adults.

The Impact of Alternative Social Assistance Disbursement on Drug-Related Harm: A Randomized Controlled Trial

Role on Project: Collaborator (PI: T. Kerr)

Project Period: Oct 1, 2014 – Sept 31, 2017

Funder: Canadian Institutes of Health Research

Project Identifier: MOP-136827

Description: This grant proposes a 26-week, parallel, multi-armed assessor blinded randomized controlled trial to test the impact of alternative disbursement arrangements on the escalation of drug-related harms coinciding with cheque issue day in Vancouver's Downtown Eastside.

Juvenile Court Approaches to Reduce Reproductive Health Disparities

Role on Project: Co-Investigator (PI: M. Tolou-Shams)

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: September 1st, 2015 – August 31st, 2017

Project Identifier: R21-HD082330

Description: This study seeks to propose to understand macro (policy) and meso (system)-level factors that may hinder and enable the development and implementation of court-public health partnerships to increase access and availability of sexual health services for court-involved, non-incarcerated juveniles.

HIV Risk Environments Among FSW and DU: A Longitudinal Ethno-Epidemiology Approach

Role on Project: Consultant (PIs: T. Kerr, K. Shannon)

Project Period: February 2, 2012 – January 31, 2017

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA033147

Description: This project adopts a longitudinal ethno-spatial approach to elucidate the complex pathways between social, structural, and physical environments within sex work and drug scenes and their influence on HIV risk and HIV treatment outcomes.

Exploring Transitions to Injecting Among Young Adult Non-Medical Opioid Users

Role on Project: Principal Investigator

Project Period: May 15, 2014 – April 30, 2017

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R03-DA037770

Description: The objective of this study is to determine risk factors for injection drug use initiation among young adult non-medical prescription opioid (NMPO) users. The results of this work will inform the development of interventions to prevent injecting initiation and reduce HIV transmission in NMPO-using populations.

Implementation of HIV Pre-Exposure Prophylaxis for Men who have Sex with Men with and without Substance Use in Providence and New Haven

Role on Project: Co-Principal Investigator

Project Period: October 1, 2015 – September 30, 2016

Funder: Lifespan/Tufts/Brown Center for AIDS Research (LTB CFAR) & the Yale University Center for Interdisciplinary Research on AIDS (CIRA)

Description: The goal of this pilot study is to: (1) examine the clinical and behavioral characteristics of patients who present to Providence and New Haven-based PrEP clinics by referral source; 2) evaluate clinical and behaviors characteristics, including patterns of substance use, of patients who initiate PrEP; and 3) determine the impact of clinical and behavioral characteristics, including substance use, on PrEP adherence and retention-in-care at 3 months.

Team Grant on Social and Structural Violence and HIV Among Vulnerable Populations

Role on Project: Collaborator (PIs: K. Shannon, T. Kerr)

Project Period: September 1, 2011 – August 31, 2016

Funder: Canadian Institutes of Health Research (Institute of Gender and Health)

Project Identifier: 251559

Description: This project examines how social and structural violence produce and reproduce interpersonal violence and HIV risk among sex workers and people who use drugs.

Sexual Minority Populations Resource Core

Role on Project: Co-Investigator (PI: D. Operario)

Project Period: November 1, 2012 – August 31, 2016

Funder: National Institutes of Health (National Institute on Alcohol Abuse and Alcoholism)

Project Identifier: U24-AA022000

Description: The purpose of this U24 is to develop and implement a resource core at the Alcohol Research Center on HIV (PO1-AA19072, PI: Monti) to address HIV and alcohol outcomes in sexual minority populations.

Rhode Island Defeats Hep C

Role on Project: Co-Investigator (PI: L. Taylor)

Project Period: June 1, 2013 – May 30, 2016

Funder: Rhode Island Foundation

Description: The goal of this project is to eradicate hepatitis C in Rhode Island by developing a comprehensive plan that includes building community awareness, rapid testing, linkage to care, and creating infrastructure for a sustainable model of HCV prevention, treatment, and care, and evaluation.

The Vancouver Interdisciplinary Collaboration on Supervised Drug Consumption Research

Role on Project: Collaborator (PI: T. Kerr)

Project Period: January 1, 2011 – March 31, 2016

Funder: Canadian Institutes of Health Research (Institute of Health Services & Policy Research)

Project Identifier: MOP-111039

Description: A study to examine the long-term impacts of drug consumption facilities on drug use patterns and street level violence.

Community Vulnerability and Responses to Drug-User-Related HIV/AIDS

Role on Project: Co-Investigator (PI: S. Friedman)

Project Period: Sept 1, 2013 – April 30th, 2015

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA01336

Description: The goal of this project is to develop an integrated theory (using agent based modeling) of how processes such as economic changes, social integration, and arrest & incarceration interact to affect key HIV epidemiologic outcomes among drug users, and to determine the impacts of various interventions in these social contexts.

Investigating and addressing injection drug use and other harms among street-involved youth:**The ARYS Project**

Role on Project: Collaborator (PI: E. Wood)

Project Period: April 1, 2010 – March 31, 2015

Funder: Canadian Institutes of Health Research (Institute of Population and Public Health)

Project Identifier: MOP-102742

Description: A study to examine the individual, social, environmental, and structural influences on risk behaviour and infectious disease incidence among street-involved youth.

Initiation of Injection Drug Use and HIV Risks Among Street-Involved Youth

Role on Project: Consultant (PI: E. Wood)

Project Period: April 15, 2010 – February 28, 2015

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Identifier: R01-DA028532

Description: A study to examine the incidence of injection initiation and related drug- and sexual- HIV risks among street-involved youth.

Hepatitis C Virus Transmission Dynamics Among Injection Drug Users

Role on Project: Collaborator (PIs: M. Kraiden, J. Grebely)

Project Period: October 1, 2011 – September 30, 2014

Funder: Canadian Institutes of Health Research (Institute of Population and Public Health)

Project Identifier: 244939

Description: A study to assess hepatitis C virus (HCV) transmission dynamics, including HCV incidence, phylogenetics, and phylodynamics among injection drug users.

Complex systems approaches to examine combination HIV prevention programs for drug users

Role on Project: Principal Investigator

Project Period: June 1, 2012 – August 31, 2013

Funder: Lifespan/Tufts/Brown Center for AIDS Research

Project Identifier: P30-AI042853

Description: This project seeks to develop a novel complex systems dynamics approach to examine how sets of interventions may effectively eliminate HIV transmission among drug users in the United States.

Treatment as Prevention – biomedical and behavioural interventions to eliminate the HIV epidemic among injection drug users

Role on Project: Co-Investigator (PI: K. Vassarhelyi)

Project Period: June 1, 2010 – May 31, 2011

Funder: Canadian Institutes of Health Research (Institute of Infection and Immunity)

Project Identifier: 31-711178

Description: A study to construct mathematical models of HIV epidemics among injection drug users and to evaluate the effect of combined biomedical and behavioural interventions.

C. PROPOSALS UNDER REVIEW

An ethno-epidemiological study of overdose vulnerability across genders

Role on Project: co-Principal Investigator

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project period: 07/01/23 – 06/30/28

Total requested: \$3,728,286

A comparative evaluation of overdose prevention programs in New York City and Rhode Island

Role on Project: co-Principal Investigator

Funder: National Institutes of Health (National Institute on Drug Abuse)

Project Period: 04/01/23 – 03/31/27

Project Identifier: R01 DA058277

Total Requested: \$7,597,715

Description: The objectives of this study are to: (1) determine the individual- and neighborhood-level outcomes associated with implementation of overdose prevention centers (OPCs) in New York City and Rhode Island; and (2) to examine the role that the local context, including neighborhood, program models, operating procedures and costs, play in shaping the impact of OPCs. This research will provide urgently needed evidence on the potential benefits and unintended consequences of a novel harm reduction strategy to address the overdose crisis in the United States.

10. TEACHING & MENTORING

A. COURSES TAUGHT

Session	Course	Class Size	Scheduled Hours	
			Lecture	Lab/Tutorial
Fall 2021	PHP 2150 – Foundations in Epidemiologic Research Methods	51	32	0
Fall 2020	PHP 2150 – Foundations in Epidemiologic Research Methods	30	26	0
Fall 2019	PHP 2150 – Foundations in Epidemiologic Research Methods	43	32	0
Spring 2019	PHP 1854 – The Epidemiology and Control of Infectious Diseases	34	32	0
Fall 2017, Spring 2018	PHP 2070 – Public Health/Community Service Internship, Brown University	6	0	15
Spring 2018	PHP 2180 – Interpretation and Application of Epidemiology	11	32	0
Fall 2017	PHP 1854 – The Epidemiology and Control of Infectious Diseases	21	32	0
Spring 2017	PHP 1854 – The Epidemiology and Control of Infectious Diseases	31	32	0
Fall 2015	PHP 1854 – The Epidemiology and Control of Infectious Diseases	20	32	0
Spring 2015	PHP 2220H – Methodological Issues in the Treatment, Prevention, and Epidemiology of HIV, Brown University	10	32	0
Fall 2014	PHP 1854 – The Epidemiology and Control of Infectious Diseases	21	32	0
Spring 2014	PHP 1970 – Independent Study in Epidemiology of Infectious Diseases	2	0	16

Fall 2013	PHP 2150 – Foundation in Epidemiologic Research Methods, Brown University	21	14	10
Fall 2013, Spring 2014	PHP 2070 – Public Health/Community Service Internship, Brown University	6	0	15
Summer 2013	Longitudinal Data Analysis – Epidemiology & Population Health Summer Institute at Columbia University	23	14	6
Spring 2013	GLSP 0008 – Evaluating an SIF in Denmark (Global Independent Study Project)	1		20
Spring 2013	PHP 2220H – Methodological Issues in the Treatment, Prevention, and Epidemiology of HIV, Brown University	4	22	0
Fall 2012, Spring 2013	PHP 2070 – Public Health/Community Service Internship, Brown University	6	0	15
Fall 2012	PHP 2150 – Foundations in Epidemiologic Research Methods, Brown University	22	9	2
Fall 2012	PHP 2250 – Advanced Quantitative Methods in Epidemiologic Research, Brown University	7	12	0
Summer 2011	Longitudinal Data Analysis – Epidemiology & Population Health Summer Institute at Columbia University	21	14	6

B. GUEST LECTURES

- 1) **Marshall BDL**. “The epidemiology of infectious diseases in children and young adulthood.” Brown University PHP1900 (Epidemiology of Disorders and Diseases of Childhood and Young Adulthood). Nov 14th, 2022.
- 2) **Marshall BDL**, Moyo P. “How do state and federal policies impact the opioid crisis?” Brown University PHP 2080 (Public Health Law and Policy). Apr 4th, 2022.
- 3) **Marshall BDL**, Bagley S. “The epidemiology of substance use and infectious diseases (including COVID-19) in children and young adulthood.” Brown University PHP 1900 (Epidemiology of Disorders and Diseases of Childhood and Young Adulthood). Nov 16th, 2021.
- 4) **Marshall BDL**, Bagley S. “The epidemiology of substance use and infectious diseases (including COVID-19) in children and young adulthood. Brown University PHP 1900 (Epidemiology of Disorders and Diseases of Childhood and Young Adulthood). Nov 16th, 2020.
- 5) **Marshall BDL**. “PreventOverdoseRI: Rhode Island’s drug overdose surveillance & data dashboard”. Johns Hopkins Bloomberg School of Public Health. Sep 8th, 2020.
- 6) **Marshall BDL**, Hadland SE. “The epidemiology and infectious diseases in children and young adulthood”. Brown University PHP 1900 (Epidemiology of Disorders and Diseases of Childhood and Young Adulthood). Apr 14th, 2020.

- 7) **Marshall BDL**. "PreventOverdoseRI: Rhode Island's drug overdose surveillance & data dashboard". Johns Hopkins Bloomberg School of Public Health. Sep 10th, 2019.
- 8) **Marshall BDL**. "The epidemiology of infectious diseases in children and young adulthood." Brown University PHP 1900 (Epidemiology of Disorders and Diseases of Childhood and Young Adulthood). Mar 19th, 2019.
- 9) **Marshall BDL**. "Outbreak investigations". Brown University PHP0850 (Fundamental of Epidemiology). Sept 19th, 2017.
- 10) **Marshall BDL**. "The epidemiology of infectious diseases in children and young adulthood." Brown University PHP 1900 (Epidemiology of Disorders and Diseases of Childhood and Young Adulthood). Mar 21, 2017.
- 11) **Marshall BDL**. "Epidemiology of HIV/AIDS and infectious diseases: Social inequalities." Brown University PHP 0320 (Introduction to Public Health). Nov 7, 2016.
- 12) **Marshall BDL**. "Outbreak Investigations". Brown University PHP0850 (Fundamentals of Epidemiology). Sept 20, 2016.
- 13) **Marshall BDL**. "Agent-Based Modeling". Brown University PHP2630 (Statistical Foundations of Data Science). Apr 28, 2016.
- 14) Loucks E, **Marshall BDL**. "Communicating Epidemiologic Research". Brown University PHP2180 (Interpreting Epidemiologic Evidence). Apr 27, 2016.
- 15) **Marshall BDL**. "Epidemiology of HIV/AIDS and infectious diseases: Mapping onto social inequalities". Brown University PHP 0320 (Introduction to Public Health). Oct 19, 2015.
- 16) **Marshall BDL**. "Tools for confounding bias based on standard adjustment: Log-binomial and modified Poisson models". Brown University PHP 2250 (Advanced Quantitative Methods in Epidemiologic Research). Oct 8, 2015.
- 17) **Marshall BDL**. "Outbreak Investigations". Brown University PHP 0850 (Fundamentals of Epidemiology). Sept 22, 2015.
- 18) **Marshall BDL**. "Introduction to Directed Acyclic Graphs (DAGs)". Brown University PHP 2150 (Foundations in Epidemiology Research). Oct 16, 2014.
- 19) **Marshall BDL**. "Tools for confounding bias based on standard adjustment: Log-binomial and modified Poisson models". Brown University PHP 2250 (Advanced Quantitative Methods in Epidemiologic Research). Oct 2, 2014.

- 20) **Marshall BDL**. "Outbreak Investigations". Brown University PHP 0850 (Fundamentals of Epidemiology). Sept 18, 2014.
- 21) **Marshall BDL**. "Tools for confounding bias based on standard adjustment: Log-binomial and modified Poisson models". Brown University PHP 2250 (Advanced Quantitative Methods in Epidemiologic Research). Oct 3, 2013.
- 22) **Marshall BDL**. "HIV in most at-risk populations (MARPs)". Brown University PHP 1070 (Global Burden of Disease). Nov 7, 2012.
- 23) **Marshall BDL**. "The social determinants of drug use". Brown University PHP 1920 (Social Determinants of Health). Oct 2, 2012.
- 24) **Marshall BDL**. "Tools for confounding bias based on standard adjustment: log-binomial, modified Poisson, and Poisson regression". Brown University PHP 2250 (Advanced Quantitative Methods in Epidemiologic Research). Mar 1, 2012.
- 25) **Marshall BDL**, Maynard R. "Evaluating Vancouver's supervised injection site & the politicization of public health". University of British Columbia SOCI 310 (Canadian Society). Nov. 27, 2009.
- 26) Maynard R, **Marshall BDL**. "The politicization of public health: The case of Vancouver's supervised injection facility". University of British Columbia SOCI 310 (Canadian Society). Nov. 24, 2008.
- 27) **Marshall BDL**. "Epidemiology is for everyone: Understanding public health research". Mexico YouthForce AIDS 2008 Pre-Conference, Mexico City, Mexico. Aug. 1, 2008.
- 28) **Marshall BDL**. "The scientific evaluation of Vancouver's supervised injection facility". University of British Columbia IHHS 402 (HIV/AIDS Prevention and Care). June 25, 2008.

C. MENTORING

Current Students/Postdoctoral Research Associates

Trainee Name	Type/Training Period	Thesis/Project Title	Funding	Role
Maayan Rosenfield	MPH Epidemiology (2020 – present)	Chronic pain and mental illness as predictors of enrollment in substance use treatment among emergency department patients at risk of opioid overdose	N/A	Primary Supervisor
Raymond Che	MPH Health Behavior (2020 – present)	Examining the association between sexual orientation and gender identity and usage of	N/A	Thesis Reader

		health services: Findings from the NHIS		
Rebecca Carrara	MPH Epidemiology (2020 – present)	The influence of a pandemic on an epidemic: The impact of COVID-19 on opioid overdose deaths in Rhode Island	N/A	Primary Dissertation Advisor
Fiona Bhondokoen	PhD Epidemiology, Brown University (2021 – present)	N/A	N/A	Primary Supervisor
Shayla Nolen	PhD Epidemiology, Brown University (2019 – present)	N/A	NIH: U01DA047048; PI. B. Marshall	Primary Dissertation Advisor
Abigail Cartus	Postdoctoral Research Associate (2020 – present)	N/A	N/A	Primary Supervisor
Alexandra Skinner	PhD Epidemiology, Brown University (2022 – present)	N/A	NIH: R01DA046620	Primary Supervisor
Alexandria Macmadu	PhD Epidemiology, Brown University (2018 – present)	Examining the impact of nonfatal and fatal overdose in social networks on individual overdose risk	Brown Presidential Fellowship	Primary Dissertation Advisor

Completed Students

Trainee Name	Type/Training Period	Thesis/ Project Title	Funding	Role
Bennett Allen	PhD Epidemiology, New York University (2019 – 2022)	Responding to the opioid overdose epidemic in Rhode Island: Prediction, prevention, and public health practice	N/A	Thesis Committee Member
Xiao Zang	Postdoctoral Research Associate (2020 – 2022)	N/A	NIH: DP2DA040236; PI B. Marshall	Primary Supervisor
Annie Wentz	PhD Epidemiology, Brown University, (2016 – 2021)	Long-term pain and opioid analgesic for urolithiasis in the STONE trial	NIH: F31DA046133; PI A. Wentz	Committee Member
Jason Gantenberg	PhD Epidemiology, Brown University (2016 – 2021)	Understanding the Role and Control of Extragenital	N/A	Committee Member

		Gonorrhea Using Agent-based Modeling		
Alexandra Collins	Postdoctoral Research Associate (2020 – 2021)	N/A	N/A	Primary Supervisor
Samuel Shim	ScM Epidemiology, Brown University (2019 – 2021)	An assessment of excess mortality due to COVID-19 by sex, age, ethnicity, and county in the state of Rhode Island	N/A	Academic Advisor
Alexandra Banks	MPH Epidemiology, Brown University (2018 – 2021)	Prescription Stimulant Use and Stimulant-Involved Fatal Overdose in Rhode Island: A Population-Based Case-Control Study	N/A	Primary Dissertation Advisor
Dhruv Gaur	BA Public Health, Brown University (2016 – 2021)	Assessing the Mortality Effects of Pharmacy-Based Naloxone Distribution	N/A	Thesis Advisor
Yizhen Xu	PhD Biostatistics, Brown University (2016-2020)	Bayesian machine learning for predictive and causal inference	N/A	Committee Member
Brendan Jacka	Postdoctoral Research Associate (2018 – 2019)	Highly adaptive epidemic control strategies for HIV prevention in drug users	NIH: DP2DA040236; PI B. Marshall	Primary Supervisor
Abdullah Shhipar	MPH Epidemiology, Brown University (2017 – 2020)	Analysis of media stories reporting law enforcement and first responder contact with fentanyl	N/A	Primary Advisor
William Goedel	PhD Epidemiology, Brown University (2017 – 2020)	Leveraging social networks to improve uptake of a novel biomedical HIV prevention method	NIH: F31MH12112; PI W. Goedel	Primary Dissertation Advisor
Joëlla Adams	PhD Epidemiology, Brown University (2015 – 2020)	Evaluating the impact of mass incarceration on HIV acquisition in women	NIH: F31 MH114736; PI J. Adams	Primary Dissertation Advisor
William Patterson	Sc.B in Translational Epidemiology, Brown University (2016 - 2020)	Prediction of bacterial STIs among MSM in Rhode Island: A machine learning approach.	N/A	Thesis Reader
Jacqueline Goldman	ScM Epidemiology, Brown University (2017 – 2019)	Correlates of death during opioid use disorder detoxification treatment in the United States, 2014	N/A	Primary Dissertation Advisor

Kelly Sanchez	MPH, Brown University (2015 – 2018)	Fatal overdose deaths in Hispanic/Latino neighborhoods throughout Rhode Island	N/A	Primary Advisor
Katherine Waye	MPH, Brown University (2015 – 2018)	People who use drug's perceptions of website overdose prevention messages	N/A	Primary Advisor
Alyson Singleton	BS (Hon), Brown University (2015 - 2019)	Network characteristics associated with rapid HIV transmission among people who inject drugs in a rural county in the United States: a modelling study	N/A	Thesis Reader
Geetanjali Banerjee	PhD Epidemiology, Brown University (2014 – 2018)	The impact of prescription opioid use & drug market dynamics on heroin use trajectories among Veterans	NIH: R36 DA042877; PI. G. Banerjee	Primary Dissertation Advisor
Yokabed Ashenafi	BA (Hon), Brown University (2014 – 2018)	Awareness and Use of Mobile Health (mHealth) Technology among Physicians in Ethiopia	N/A	Thesis Reader
Jenna Zagoren	BA (Hon), Brown University (2014 – 2018)	What is Successful vs. What is Studied: A Review, Commentary, and Analysis of Hepatitis C Treatment Research	N/A	Thesis Reader
Daniel O'Keefe	PhD Epidemiology, Monash University	Individual-level needle and syringe coverage amongst people who inject drugs	N/A	Examiner
Kristen McCausland	PhD Epidemiology, Brown University (2012 – 2017)	Who's smoking now? Applying analytic methods to inform tobacco control efforts in the United States	N/A	Committee Member
Ayo Soipe	ScM Epidemiology, Brown University (2015 – 2017)	Hepatitis C virus (HCV) in Rhode Island: Screening experiences among young drug users and modeling of HCV treatment scale-up	N/A	Primary Dissertation Advisor
Cristina Fernandez	PhD Epidemiology, Brown University (2012 –2017)	Vulnerability to PTSD after a disaster: Clinical and public health implications	NIH: F31 MH104000; PI. C. Fernandez	Committee Member
Kipruto Kirwa	PhD Epidemiology, Brown University (2012 – 2017)	The epidemiologic impact of care engagement patterns, antiretroviral therapy scale-up and combination HIV prevention in Western Kenya	Fogarty Training Program	Committee Member

Daniel Escudero	PhD Epidemiology, Brown University (2012 – 2017)	The use of antiretrovirals for preventing HIV among drug users	NIH: F31 DA037808; PI. D. Escudero	Primary Dissertation Advisor
Tina Gao	MPH, Brown University (2014 - 2016)	Risk factors for not being tested for HIV among young adolescents in NYC	N/A	Thesis Reader
Elliott Liebling	BA (Hon), Brown University (2014 – 2016)	Access to substance use treatment among young adults who use prescription opioids non-medically	N/A	Primary Advisor
Livia Jaramillo	BA (Hon), Brown University (2014 – 2016)	The Impact of the HIV/TB Clinic Integration at Korle-Bu Teaching Hospital in Accra, Ghana Patient Outcomes	N/A	Thesis Reader
João Filipe Monteiro	Postdoctoral Fellow, Miriam Hospital (2013 – 2014)	Agent-based modeling to optimize HIV prevention for drug-using populations: A Bayesian approach	NIH: T32 DA013911; PI. T. Flanigan	Primary Supervisor
Samantha Rosenthal	PhD Epidemiology, Brown University (2012 – 2015)	Social and behavioral risk during transition to adulthood	Brown University	Committee Member
Jieying Wang	MPH, Brown University (2013 – 2014)	Associations between duration of Nonmedical use of prescription drugs and chronic health conditions	N/A	Thesis Reader
Elizabeth Kinnard	Global Independent Study, Brown University (2013)	Evaluating supervised injection facilities in Copenhagen, Denmark	Brown University	Primary Advisor
Caitlin Johnston	MSc, Simon Fraser University (2007-2009)	Supporting indoor commercial sex worker's access to HIV/STI services	Canadian Institutes of Health Research	External Examiner
Brady Bennett	MPH, Brown University (2012 – 2015)	HIV incidence prior to, during, and after violent conflict in 36 sub-Saharan African nations, 1990-2012: An ecological study	N/A	Thesis Reader
Elizabeth Kinnard	ScM Behavioral Sciences, Brown University (2014 – 2015)	The prevalence and correlates of illicit silicone use among transwomen with a history of sex work in the San Francisco Bay Area	N/A	Primary Advisor

Joe Servadio	ScM Biostatistics, Brown University (2014 – 2015)	Changes in spatial patterns of vector-borne infectious diseases in Africa: An analysis addressing data quality issues	N/A	Thesis Reader
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11. SELECTED BROADCAST MEDIA QUOTING BRANDON MARSHALL OR MARSHALL ET AL. PAPERS

- 1) Baker, E. Overdose prevention centers (OPC), what the research is telling us, with Dr. Brandon Marshall. *Addiction Recovery Channel*. Oct 13th, 2022.
- 2) San Miguel, M. Harm Reduction. *Rhode Island Public Broadcasting Station (RI PBS)*. Apr 11th, 2022.
- 3) Solowski, J. Safe Consumption Sites Are Coming to New England This Year. *NBC 10 Boston*. Jan 20th, 2022.
- 4) Lipof, P. Rhode Island to open the country's 1st safe injection site. *ABC News*. Sep 22, 2021.
- 5) McVay, Doug. People, place, and health. *KBOO*. July 21st, 2021.
- 6) Dobbie, Peter. Staggering loss: Overdose deaths spike in US during pandemic. *Al-Jazeera English*. Jul 14th, 2021.
- 7) Bucci, Danae. State of Addiction: How COVID-19 has reversed opioid epidemic progress. *WJCL* 22. Mar 1st, 2021.
- 8) Regan, Tom. Are supervised injection facilities the key to curb overdose crisis? *WSB-TV Atlanta*. Nov 13th, 2020.
- 9) Daniel, Ted. Report: Safe injection site in Boston could save city millions in medical costs. *Boston 25 News*. Sep 28th, 2020.
- 10) Callaghan, Meaghan. COVID-19 compounds opioid public health emergency. *Pain Medicine News*. Aug 12th, 2020.
- 11) Morse, Barbara. 'War on Opioids: Drastic Measures' examines safe injection sites. *NBC 10 WJAR*. Dec 14th, 2019.
- 12) Joubert M, Jagolinzer J. Research suggests how fentanyl test strips could save lives. *Western Mass News*. Nov 18th, 2019.
- 13) Rappleye, Bill. Brown University awarded \$6.8M to battle opioid epidemic. *NBC10*. Oct 29th, 2019.
- 14) Cerrone, Alana. Public health expert weighs in on safe injection sites. *ABC6 Nightly News*. Feb 27th, 2019.
- 15) Silvia, Barbara Morse. War on Opioids: 'Safe Stations' across Providence. *NBC Channel 10 Nightly News*. Nov 8th, 2018.
- 16) Keough, Kim. "The Fix: Examining Rhode Island's Opioid Epidemic". *Rhode Island PBS*. May 30th, 2018.

- 17) Gupta, Sanjay. "Opioid addiction and the most controversial bathroom in New York". *CNN*. October 26th, 2017.
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- 19) Bebinger, Martha. "As fentanyl deaths rise, an off-label tool becomes a test for the killer opioid". *WBUR NPR Boston*. May 11th, 2017.
- 20) Bebinger, Martha. "How supervised injection sites work". *WBUR NPR Boston*. April 5th, 2017.
- 21) Gourley, Kristin, "New help for addicts, one call or click away". *Rhode Island Public Radio*. June 28th, 2016.
- 22) Gourley, Kristin. "Injection drug use fuels rise in hepatitis C cases". *Rhode Island Public Radio (NPR)*. May 26th, 2015.
- 23) Pesquisador descobre como reduzir a SIDA em Cabo Verde até 2012" [Portuguese]. *Radiotelevisão Caboverdiana*. April 18th, 2015.
- 24) Gourley, Kristin. "At The Crossroads, Part 8: Fueled By Opioid Abuse, New Hep C Infections Rise." *Rhode Island National Public Radio (NPR)*. Jan. 8th, 2015.
- 25) Gourley, Kristin. "At The Crossroads, Part 3: As Old Hepatitis C Treatment Fades Out, New Treatments Stoke Hope." *Rhode Island National Public Radio (NPR)*. Nov. 12th, 2014.
- 26) "Supervised injection sites." *MD-FM*. Oct. 17, 2013.
- 27) "Brown professor unveils new HIV infection prediction simulator." *Rhode Island National Public Radio (NPR)*. Jul. 26, 2012.
- 28) "Vancouver's safe-injection site slashes fatal overdoses: report." *Global National*. Apr. 18, 2011.
- 29) "Vancouver's Insite reduces overdose deaths: study." *CTV News*. Apr. 17, 2011.
- 30) "Vancouver's safe injection site brings a dramatic drop in deaths from overdose." *CBC News – The National*. Apr. 17, 2011.

12. SELECTED TEXT MEDIA QUOTING BRANDON MARSHALL OR MARSHALL ET AL. PAPERS

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- 2) Dahlkamp, O. University research examines role of policy at overdose incidents. *Brown Daily Herald*. Nov 29th, 2022.
- 3) Stobbe, M. US overdose deaths may be peaking, but experts are wary. *ABC News*. Nov 16th, 2022.
- 4) Chiappa, C. Only few overdose incidence require police involvement, new Brown study finds. *Providence Business News*. Nov 8th, 2022.
- 5) Weiland N. As overdoses soar, Rhode Island embraces a daring addiction strategy. *The New York Times*. Oct 13th, 2022, pp. A12.

- 6) Allen C. 1st mobile unit deployed in R.I.'s addiction fight. *Providence Business News*. Oct 4th, 2022.
- 7) Mizan N. Fact-check: Is fentanyl the leading cause of death among American adults? *Politifact*. Oct 3rd, 2022.
- 8) Rodriguez JO. Needle exchange project modeled on urban efforts aims to save lives in rural Nevada. *The Nevada Independent*. Aug 21st, 2022.
- 9) Reardon, S. Mega-model predicts US opioid deaths will soon peak. *Nature*. June 2nd, 2022.
- 10) Miller, A. More states allow fentanyl test strips as a tool to prevent overdoses. *CNN*. May 5th, 2022.
- 11) Murphy, T. Amid severe needle exchange restrictions in Charleston, WV, will the HIV uptick persist? *The Body Pro*. Mar 30th, 2022.
- 12) D'Ambrosio, A. More states legalize fentanyl test strips: Can testing recreational drugs be an effective harm reduction strategy? *MedPage Today*. Mar 29th, 2022.
- 13) McDonald, D. HIV outbreak among drug users accelerates in Boston. *Boston Globe*. March 17th, 2022.
- 14) Kneen, O. R.I. changes drug possession charges from felonies to misdemeanors. *The Brown Daily Herald*. October 22nd, 2021.
- 15) Graham, K. Online RIDOH hub offers detailed drug overdose data. *Providence Business News*. August 22nd, 2021.
- 16) Cooke, K. & Pell, B.L. As schools shut down, 911 drug calls for youth skyrocketed. *Reuters*. August 13th, 2021.
- 17) Buhl, L. Rhode Island legalizes safe injection sites. Here's what a rollout might look like. *The Body Pro*. August 11th, 2021.
- 18) Roberts, C. This could finally be the first drug safe-injection site in the US. *VICE News*. July 22nd, 2021.
- 19) Stobbe, M. US overdose deaths hit record 93,000 in pandemic last year. *Associated Press*. July 14th, 2021.
- 20) Mulvaney, K. Drug bills signal sea change in RI's approach to opioid crisis. *The Providence Journal*. July 3rd, 2021.
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- 23) Guao, A. Project Weber/RENEW opens new harm reduction center in Olneyville. *Brown Daily Herald*. June 15th, 2021.
- 24) Coyne, C. As CDC comes to Kanawha, WV doctors look to what comes next. *Charleston Gazette-Mail*. June 5th, 2021.

- 25) Loomis, I. Principles of harm reduction in young adults with substance use disorder. *HealthCity*. Jan 27th, 2021.
- 26) Bonislawski, A. Will U.S. ever get to mass COVID-19 testing? *Modern Healthcare*. Dec 4th, 2020.
- 27) Meininger, K. University medical experts talk public health, 2020 election. *The Brown Daily Herald*. Nov 9th, 2020.
- 28) Tuttle, C. & Huntington, J. COVID-19's hidden toll. *CommonWealth Magazine*. Oct 3rd, 2020.
- 29) Lehmann, C. Experts: Crackdowns on COVID rule breakers harmful. *WebMD*. Sep 18th, 2020.
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- 57) Fransham, James. Forecasting the opioid epidemic. *The Economist*. Oct 28th, 2017.
- 58) Roscoe, Lee. Cape Cod divided on possible injection sites. *Wicked Local Dennis*. Sept 20th, 2017.
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- 60) Zezima, Katie. Study: Doctors received more than \$46 million from drug companies marketing opioids. *The Washington Post*. Aug 9th, 2017.
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