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1. DATE OF PREPARATION

April 1st, 2020

2. EDUCATION

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

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

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

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. EMPLOYMENT RECORD

Associate Professor (with tenure)	Jul 2017 - present
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	
Analytic Coordinator	Jan 2008 – Dec 2010
Research Assistant	Sep 2006 – Dec 2007
Urban Health Research Initiative	Vancouver, Canada
British Columbia Centre for Excellence in HIV/AIDS	

5. MEMBERSHIPS ON PROFESSIONAL ORGANIZATIONS & SOCIETIES

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

6. PUBLICATIONS

A. BOOK CHAPTERS

- 1) **Marshall BDL**. Introduction to agent-based models. In: *Modern Epidemiology*. VanderWeele T ed. (under review).
- 2) **Marshall BDL**. Agent-based modeling. In: *Systems Science and Population Health*. El-Sayed A & Galea S, editors. 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, editors. *Homelessness and Health in Canada*. Ottawa: University of Ottawa Press; 2014. pp. 135-154.

B. REFEREED JOURNAL ARTICLES

- 1) Jin H, **Marshall BDL**, Degenhardt L, Strang J, Hickman M, Fiellin D, Ali R, Bruneau J, Larney S. Global opioid agonist treatment: A review of clinical practices by country. *Addiction* (in press).
- 2) Hadland SE, Jent JA, Alinsky RH, **Marshall BDL**, Mauro PM, Cerdá M. Opioid use disorder treatment facilities with programs. *American Journal of Preventive Medicine* (in press).

- 3) Goedel WC, Shapiro A, Cerdá M, Tsai JW, Hadland SE, **Marshall BDL**. Racial segregation and treatment capacity for opioid use disorder in the United States. *JAMA Network Open* (in press).
- 4) Jin H, **Marshall BDL**, Kemp K, Tolou-Shams M. Prevalence, correlates, and gender differences of self-injurious behaviors among justice-involved youth. *Journal of Correctional Health Care* (in press).
- 5) Tolou-Shams M, Brown LK, **Marshall BDL**, Dauria E, Koinis-Mitchell D, Kemp K, Poindexter D. The behavioral health needs of first-time offending justice-involved youth: Substance use, sexual risk, and mental health. *Journal of Child & Adolescent Substance Abuse* (in press).
- 6) Goedel WC, Mimiaga MJ, King MRF, Safren SA, Mayer KH, Chan PA, **Marshall BDL**, Biello KB. Potential impact of targeted HIV pre-exposure prophylaxis uptake among male sex workers. *Scientific Reports*. 2020;10:5650.
- 7) Nosyk B, Zang X, Krebs E, Enns B, Min JE, Behrends CN, Del Rio C, Dombrowski JC, Feaster DJ, Golden M, Marshall BDL, Mehta SH, Metsch LR, Pandya A, Schackman BR, Shoptaw S, Strathdee S, on behalf of the localized HIV modeling study group. Ending the HIV epidemic in the USA: An economic modeling study in six cities. *Lancet HIV* (ePub ahead of print). DOI: 10.1016/S2352-3018(20)30033-3.
- 8) Khan MR, Young K, Caniglia EC, Fiellin DA, Maisto SA, **Marshall BDL**, Edelman EJ, Gaither J, Chichetto NE, Tate J, Bryant KJ, Severe M, Stevens ER, Justice AC, Braithwaite S. Examination of alcohol screening scores and adverse mental health conditions and substance use among US adults. *JAMA Network Open*. 2020;3(3):e200895.
- 9) Edelman EJ, Li Y, Barry D, Braden JB, Crystal S, Kerns R, Gaither J, Gordon K, Manhapra A, Merlin J, Moore B, Oldfield B, Park L, Rentsch C, Skanderson M, Williams E, Justice AC, Tate JP, Becker W, **Marshall BDL**. Trajectories of self-reported opioid use among patients with HIV engaged in care: Results from a national cohort study. *Journal of Acquired Immune Deficiency Syndromes* (ePub ahead of print). DOI: 10.1097/QAI.0000000000002310.
- 10) Hadland SE, Cerdá M, Earlywine JJ, Krieger MS, Anderson TS, **Marshall BDL**. Analysis of pharmaceutical industry marketing of stimulants, 2014 through 2018. *JAMA Pediatrics* (ePub ahead of print). DOI:10.1001/jamapediatrics.2019.5526
- 11) Goldman J, Samuels E, Rich JD, **Marshall BDL**. Correlates of death during outpatient treatment for opioid use disorder: A national study. *Journal of Substance Abuse Treatment*. 2020;112:76-85.
- 12) Macmadu A, Goedel WC, Adams JA, Brinkley-Rubinstein L, Green TC, Clarke JG, Martin RA, Rich JD, **Marshall BDL**. Estimating the impact of wide scale uptake of screening and medications for opioid use disorder in US prisons and jails. *Drug and Alcohol Dependence*. 2020;208:107858.

- 13) Biello KB, Goedel WC, Edeza A, Safren SA, Mayer KH, **Marshall BDL**, Latkin C, Mimiaga MJ. Network-level correlates of sexual risk among male sex workers in the United States: A dyadic analysis. *Journal of Acquired Immune Deficiency Syndromes*. 2020;83(2):111-118.
- 14) Strang J, Volkow N, Degenhardt L, Hickman M, Johnson K, Koob G, **Marshall BDL**, Tyndall M, Walsh S. Opioid use disorder: Disease primer. *Nature Reviews Disease Primers*. 2020;6(1):3.
- 15) Kravitz-Wirtz N, Davis CS, Ponicki W, Rivera-Aguirre A, **Marshall BDL**, Martins SS, Cerdá M. Association of Medicaid expansion with opioid overdose mortality in the United States. *JAMA Network Open*. 2020;3(1):e1919066.
- 16) Zang X, Krebs E, Min JE, Pandya A, **Marshall BDL**, Schackman BR, Behrends CN, Feaster DJ, Nosyk B, Localized HIV Modeling Study Group. Development and calibration of a dynamic HIV transmission model for 6 US cities. *Medical Decision Making*. 2020;40(1):3-16.
- 17) Anderson TS, Krieger MS, **Marshall BDL**, Cerdá M, Hadland SE. Financial payments to teaching hospitals by companies marketing opioids. *Journal of General Internal Medicine* (ePub ahead of print). DOI: 10.1007/s11606-019-05596-1.
- 18) Krebs E, Zang X, Enns B, Min JE, Behrends CN, Del Rio C, Dombrowski J, Feaster DJ, Gebo KA, Golden M, **Marshall BDL**, Metsch L, Schackman BR, Shoptaw S, Strathdee SA, Nosyk B. The impact of localized implementation: Determining the cost-effectiveness of HIV prevention and care interventions delivered at plausible scale across six U.S. cities. *AIDS*. 2020;34(3):477-458.
- 19) Cerdá M, Ponicki W, Smith N, Rivera-Aguirre A, Davis C, **Marshall BDL**, Fink DS, Henry SG, Castillo-Carlingia A, Wintemute G, Gaidus A, Gruenewald PJ, Martins SS. Measuring relationships between proactive reporting state-level prescription drug monitoring programs and county-level fatal prescription opioid overdoses. *Epidemiology*. 2020;31(1):32-42.
- 20) Oldfield BJ, McGinnis KA, Edelman EJ, Williams EC, Gordon AJ, Akgün K, Crystal S, Fiellin LE, Gaither JR, Goulet JL, Korhthius PT, **Marshall BDL**, Justice AC, Bryant K, Fiellin DA, Kraeime KL. Predictors of initiation of and retention on medications for alcohol use disorder among persons living with and without HIV *Journal of Substance Abuse Treatment*. 2020;109:14-22.
- 21) Adams JW, **Marshall BDL**, Salleh NAM, Barrios R, Nolan S, Milloy MJ. Receipt of opioid agonist treatment halves the risk of HIV-1 RNA viral load rebound for HIV-infected women who use illicit drug. *Drug and Alcohol Dependence*. 2020;206:107670.

- 22) Tseregounis IE, Stewart SL, Crawford A, **Marshall BDL**, Cerdá M, Shev AB, Henry SG. Age- and sex-specific increases in stimulant prescribing rates—California, 2008-2017. *Journal of Attention Disorders*. 2020;24(2):205-214.
- 23) Lake S, Kerr T, Buxton JA, Walsh Z, **Marshall BDL**, Wood E, Milloy MJ. Does cannabis use modify the effect of post-traumatic stress disorder on severe depression and suicidal ideation? Evidence from a population-based cross-sectional study of Canadians. *Journal of Psychopharmacology*. 2020;34(2):181-188.
- 24) Folk JB, Brown L, **Marshall BDL**, Ramos LMC, Gopalakrishnan L, Koinis-Mitchell M, Tolou-Shams M. The prospective impact of family functioning and parenting practices on court-involved youth's substance use and delinquent behavior. *Journal of Youth & Adolescence*. 2020;49(1):238-251.
- 25) Goedel WC, King MRF, Lurie MN, Galea S, Townsend JP, Galvani AP, Friedman SR, **Marshall BDL**. Implementation of syringe services programs to prevent rapid HIV transmission in rural counties in the United States: A modeling study. *Clinical Infectious Diseases*. 2020;70(6):1096-1102.
- 26) Tavakoli F, Karamouzian M, Rafiei-Rad AA, Iranpour A, Farrokhnia M, Norozzi M, Sharifi A, **Marshall BDL**, Shokoohi M, Sharifi H. HIV-related stigma among healthcare providers in different healthcare settings: A cross-sectional study in Kerman, Iran. *International Journal of Health Policy and Management*. 2020;9(4):163-169.
- 27) Yedinak JL, Goedel WC, Paull K, Lebeau R, Krieger MS, Thompson C, Buchanan A, Coderre T, Boss R, Rich JR, **Marshall BDL**. Defining a recovery-oriented cascade of care for opioid use disorder: A community-driven, statewide cross-sectional assessment. *PLoS Medicine*. 2019;16(11):e1002963.
- 28) Goedel WC, **Marshall BDL**, Samuels EA, Brinkman MG, Dettor D, Langdon KJ, Mahoney LA, Merchant RC, Nizami T, O'Toole GA, Ramsey SE, Yedinak JL, Beaudoin FL. Randomised clinical trial of an emergency department-based peer recovery support intervention to increase treatment uptake and reduce recruitment overdose among individuals at high risk for opioid overdose: Study protocol for the navigator trial. *BMJ Open*. 2019;9:e032052.
- 29) Goedel WC, Chan PA, King MRF, Prosperi M, **Marshall BDL**, Galárraga O. Cost-effectiveness of a statewide HIV pre-exposure prophylaxis implementation program for men who have sex with men. *Rhode Island Medical Journal*. 2019;102(9):36-39.
- 30) Degenhardt L, Grebely J, Stone J, Hickman M, Vickerman P, **Marshall BDL**, Bruneau J, Altice FL, Hederson G, Rahimi-Movaghar A, Larney S. Global patterns of opioid use and dependence: Harms to populations, interventions, and future action. *Lancet*. 2019;394(10208):1560-1579.

- 31) Martins SS, Ponicki W, Smith N, Rivera-Aguirre A, Davis C, Fink DS, Castillo-Carniglia A, Henry S, **Marshall BDL**, Gruenewald, P, Cerdá M. Prescription drug monitoring programs operational characteristics and fatal heroin poisoning. *International Journal of Drug Policy*. 2019;74:174-180.
- 32) Nosyk B, Zang X, Krebs E, Min JE, Behrends CZ, Del Rio C, Dombrowski JC, Feaster DJ, Golden M, **Marshall BDL**, Mehta SH, Metsch LR, Schackman BR, Shoptaw S, Strathdee SA. Ending the epidemic in America will not happen if the status quo continues: Modeled projections for HIV incidence in 6 US cities? *Clinical Infectious Diseases*. 2019;69(12):2195-2198.
- 33) Zullo AR, Adams JA, Gantenberg JR, **Marshall BDL**, Howe CJ. Examining neighborhood poverty-based disparities in HIV/STI prevalence: An analysis of Add Health data. *Annals of Epidemiology*. 2019;39:8-14.e14.
- 34) Brinkley-Rubinstein L, Peterson M, Clarke J, Macmadu A, Truong A, Pognon K, Parker M, **Marshall BDL**, Green T, Martin R, Stein L, Rich JD. The benefits and implementation challenges of the first state-wide comprehensive medication for addictions program in a unified jail and prison setting. *Drug and Alcohol Dependence*. 2019;205:107514.
- 35) Chan PA, Goedel WC, Nunn AS, Sowemimo-Coker G, Galárraga O, Prosperi M, Patel R, Mena L, Montgomery MC, **Marshall BDL**. Potential impact of interventions to enhance retention in care during real-world HIV pre-exposure prophylaxis implementation. *AIDS Patient Care & STDs*. 2019;33(10):434-439.
- 36) Chan PA, Patel RR, Mena L, **Marshall BDL**, Rose J, Coats CS, Montgomery MC, Tao J, Sosnowy C, Mayer KH, Nunn AS. Long-term retention in pre-exposure prophylaxis care among men who have sex with men and transgender women in the United States. *Journal of International AIDS Society*. 2019;22(8):e25385.
- 37) Bouvier BA, Kinnard EN, Yedinak JL, Li Y, Elston B, Green TC, Hadland SE, **Marshall BDL**. Prevalence and correlates of depressive symptomology among young adults who use prescription opioids non-medically. *Journal of Psychoactive Drugs*. 2019;51(5):441-452.
- 38) Rentsch CT, Edelman EJ, Justice AC, **Marshall BDL**, Xu K, Smith AH, Crystal S, Gaither JR, Gordon AJ, Smith RV, Kember RL, Polimanti R, Gelernter J, Fiellin DA, Tate JP, Kranzler HR, Becker WC, for the VACS Project Team. Patterns and correlates of prescription opioid receipt among patients with and without HIV: A national, 18-year observational cohort study. *AIDS and Behavior*. 2019;23(12):3340-3349.
- 39) Adams JW, Lurie MN, King MRF, Brady KA, Galea S, Friedman SR, Khan MR, **Marshall BDL**. Decreasing HIV transmissions to African American women through interventions for HIV-infected men post-incarceration: An agent-based modeling study. *PLoS ONE*. 2019;14(7):e0219361.

- 40) Zang X, Krebs E, Wang L, **Marshall BDL**, Granich R, Schackman BR, Montaner JSG, Nosyk B. Structural design and data requirements for simulation modeling in HIV/AIDS: A narrative review. *Pharmacoeconomics*. 2019;37(10):1219-1239.
- 41) Goedel WC, **Marshall BDL**, Spangler KR, Alexander-Scott N, Green TC, Wellenius GA, Weinberger KR. Increased risk of opioid overdose death following cold weather: A case-crossover study. *Epidemiology*. 2019;30(5):637-641.
- 42) Goldman JE, Krieger MS, Buxton JA, Lysyshyn M, Sherman SG, Green TC, Bernstein E, Hadland SE, **Marshall BDL**. Suspected involvement of fentanyl in prior overdoses and engagement in harm reduction practices among young adults who use drugs. *Substance Abuse*. 2019;40(4):519-526.
- 43) Krebs E, Enns B, Wang L, Zang X, Panagiotoglu D, Del Rio C, Dombrowski J, Feaster DJ, Golden M, Granich R, **Marshall BDL**, Mehta SH, Metsch L, Schackman BR, Strathdee SA, Nosyk B, on behalf of the localized HIV modeling study group. Developing a dynamic HIV transmission model for 6 U.S. cities: An evidence synthesis. *PLoS ONE*. 2019;14(5):e0217559.
- 44) Park JN, Sherman SG, Rouhani S, Morales KB, McKenzie M, Allen ST, **Marshall BDL**, Green TC. Willingness to use safer consumption spaces among opioid users at high risk of fentanyl overdose in Baltimore, Providence, and Boston. *Journal of Urban Health*. 2019;96(3):353-366.
- 45) Jin H, **Marshall BDL**, Raifman J, Montgomery M, Maynard MA, Chan PA. Impact of insurance billing on visits to a sexually transmitted diseases clinic in a Medicaid expansion state. *Sexually Transmitted Diseases*. 2019;46(8):502-506.
- 46) Banerjee G, Edelman EJ, Barry DT, Crystal S, Gaither JR, Gordon KS, Gordon AJ, Green TC, Kerns RD, Manhapra A, Moore BA, Fiellin DA, **Marshall BDL**. High-dose opioid prescribing associated with increased heroin use among US military veterans. *Pain*. 2019;160(9):2126-2135.
- 47) Yonek J, Dauria E, Kemp K, Koinis-Mitchell D, **Marshall BDL**, Tolou-Shams M. Factors associated with mental health and substance use treatment services use by justice-involved youth. *Psychiatric Services*. 2019;70(7):586-595.
- 48) Barocas JA, Wang J, **Marshall BDL**, LaRochelle MR, Bettano A, Bernson D, Beckwith CG, Linas BP, Walley AY. Sociodemographic factors and social determinants associated with toxicology confirmed polysubstance opioid-related deaths. *Drug and Alcohol Dependence* 2019;200:59-63.
- 49) Sherman SG, Morales KB, Park JN, McKenzie M, **Marshall BDL**, Green TC. Acceptability of implementing community-based drug checking services for people who use drugs in three US cities: Baltimore, Boston, and Providence. *International Journal of Drug Policy*. 2019;68:46-53.

- 50) Williams EC, McGinnis KA, Tate JP, Matson TE, Rubinsky AD, Bobb JF, Lapham GT, Edelman EJ, Catz SL, Satre DD, Bryant KJ, **Marshall BDL**, Kraemer KL, Bensley KM, Richards JE, Skanderson M, Justice AC, Fiellin DA, Bradley KA. HIV disease severity is sensitive to temporal changes in alcohol use: A national study of VA patients with HIV. *Journal of Acquired Immune Deficiency Syndromes*. 2019;81(4):448-455.
- 51) Naidjate S, Zullo A, Dapaah-Afriyie R, Hersey M, **Marshall BDL**, Winkler R, Berard-Collins C. Comparative effectiveness of pharmacist care delivery models for hepatitis C virus clinics. *American Journal of Health-System Pharmacy*. 2019;76(10):646-653.
- 52) Goedel WC, Green TC, Viner-Brown S, Rich JD, **Marshall BDL**. Increased overdose mortality during the first week of the month: Revisiting the “check effect” through a spatial lens. *Drug and Alcohol Dependence*. 2019;197:49-55.
- 53) Nosyk B, Min JE, Zang X, Feaster DJ, Metsch L, **Marshall BDL**, Del Rio C, Granich R, Schackman BR, Montaner JSGJ. Why maximizing quality-adjusted life years (QALYs), rather than reducing HIV incidence, must remain our objective in addressing the HIV/AIDS epidemic. *Journal of the International Association of Providers of AIDS Care*. 2019;18:1-6.
- 54) Hadland SE, Rivera-Aguirre A, **Marshall BDL**, Cerdá M. Pharmaceutical industry marketing of opioid products and opioid-related overdose mortality: A population-based, county-level analysis. *JAMA Network Open*. 2019;2(1):e186007.
- 55) Goldman J, Waye KM, Periera KA, Kreiger KS, Yedinak JL, **Marshall BDL**. Perspectives on rapid fentanyl test strips as a harm reduction practice among young adults who use drugs: A qualitative study. *Harm Reduction Journal*. 2019;16(1):3.
- 56) Edelman EJ, Gordon KS, Crothers K, Akgün K, Bryant K, Becker WC, Gaither J, Gilbert C, Gordon AJ, **Marshall BDL**, Rodriguez-Barradas M, Samet JH, Justice AC, Tate JP, Fiellin DA. Association of prescribed opioids with increased risk of community-acquired pneumonia among patients with and without HIV. *JAMA Internal Medicine*. 2019;179(3):297-304.
- 57) Ghiasvand H, Bayani A, Noroozi A, **Marshall BDL**, Koohestani HB, Hemmat M, Mirzaee MS, Bayat AH, Noroozi M, Ahounbar E, Armoon B. Comparing injecting and sexual risk behaviors of long-term injectors with new injectors: A meta-analysis. *Journal of Addictive Diseases*. 2018;37(3-4):233-244.
- 58) Adams JA, Lurie MN, King MRF, Brady KA, Galea S, Friedman SR, Khan MR, **Marshall BDL**. Potential drivers of HIV acquisition in African-American women related to mass incarceration: An agent-based modeling study. *BMC Public Health*. 2018;18:1387.
- 59) Reddon H, **Marshall BDL**, Milloy MJ. Eliminating HIV transmission through novel prevention strategies among people who inject drugs: A review. *Lancet HIV*. 2019;6(2):e128-e136.

- 60) van den Berg JJ, Zaller ND, Gillani FS, Dunsiger SI, **Marshall BDL**, Kahler CW, Operario D. Longitudinal HIV transmission risk profiles among men who have sex with men living with HIV in the SUN Study. *American Journal of Men's Health*. 2019;13(1).
- 61) Bastani P, **Marshall BDL**, Rahimi-Movaghar A, Noroozi A. The risk environments of people who use drugs referring to harm reduction centers in Tehran, Iran: A qualitative study. *International Journal of Drug Policy*. 2019;63:90-96
- 62) Waye KM, Goyer J, Dettor D, Mahoney L, Samuels E, Yedinak JL, **Marshall BDL**. Implementing peer recovery services for overdose prevention in Rhode Island: A case study of two outreach-based approaches. *Addictive Behaviors*. 2019;89:85-91.
- 63) Kaufman JS, Banack HR, Adams JW, **Marshall BDL**, Stovitz SD. Risk factor reversal in studies of infectious disease: Making counterintuitive results intuitive again. *Sexually Transmitted Diseases*. 2019;46(1):e5-e7.
- 64) Castillo-Carniglia A, Ponicki W, Gaidus A, Gruenewald P, **Marshall BDL**, Fink DS, Martins SS, Rivera-Aguirre A, Wintemute GJ, Cerdá M. Prescription drug monitoring programs and opioid overdoses: Exploring sources of heterogeneity. *Epidemiology*. 2019;30(2):212-220.
- 65) Hoskins D, **Marshall BDL**, Koinis-Mitchell D, Galbraith K, Tolou-Shams M. Latinx youth in first contact with the justice system: Trauma and associated behavioral health needs. *Child Psychiatry & Human Development*. 2019;50(3):459-472.
- 66) Noroozi M, Noroozi A, Sharifi H, Harouni GG, **Marshall BDL**, Ghisvand H, Armoon B. Needle and syringe programs and HIV-related risk behaviors among men who inject drugs: A multilevel analysis of two Iran cities. *International Journal of Behavioral Medicine*. 2019;26(1):50-58.
- 67) Smith N, Martins SS, Kim J, Rivera-Aguirre A, Fink DS, Castillo-Caringlia A, Henry SG, Mooney SJ, **Marshall BDL**, Davis C, Cerdá M. A typology of prescription drug monitoring programs: A latent transition analysis of the evolution of programs from 1999 to 2015. *Addiction*. 2019;114(2):248-258.
- 68) Noroozi M, Armoon B, Ghisvand H, Noroozi A, Karimy M, Bazrafshan MR, **Marshall BDL**, Dieji B. Prevalence and risk factors for injection site skin infections among people who inject drugs (PWID) in Tehran. *Journal of Cosmetic Dermatology*. 2019;18(1):258-262.
- 69) Ogbuago O, **Marshall BDL**, Tiberio P, Ogubanjo A, Barakat L, Montgomery M, Almonte A, Wray T, Williams EC, Edelman EJ, Chan PA. Prevalence and correlates of unhealthy alcohol and drug use among men who have sex with men prescribed HIV pre-exposure prophylaxis in real-world clinical settings. *AIDS and Behavior*. 2019;23(1):190-200.

- 70) Williams EC, McGinnis KA, Edelman EJ, Matson TE, Gordon AJ, **Marshall BDL**, Bryant KJ, Rubinsky AD, Lapham GT, Satre DD, Richards JE, Catz SL, Fiellin DA, Justice AC, Bradley JA. Level of alcohol use associated with HIV care continuum targets in a national sample of persons living with HIV receiving healthcare. *AIDS and Behavior*. 2019;23(1):140-151.
- 71) Waye KM, Yedinak JL, Koziol J, **Marshall BDL**. Action-focused, plain language communication for overdose prevention: A qualitative analysis of Rhode Island's overdose surveillance and information dashboard. *International Journal of Drug Policy*. 2018;62:86-93.
- 72) Krieger MS, Goedel WC, Buxton JA, Lysyshyn M, Bernstein E, Sherman SG, Rich JD, Hadland SE, Green TC, **Marshall BDL**. Use of rapid fentanyl test strips among young adults who use drugs. *International Journal of Drug Policy*. 2018;61:52-58.
- 73) Donroe J, Socías ME, **Marshall BDL**. The deepening opioid crisis in North America: Historical context and current solutions. *Current Addiction Reports*. 2018;5(4):454-463.
- 74) Barry DT, **Marshall BDL**, Becker WC, Gordon AJ, Crystal S, Kerns RD, Gaither JR, Gordon KS, Justice AC, Fiellin DA, Edelman EJ. Duration of opioid prescriptions predicts incident nonmedical use of prescription opioids among U.S. veterans receiving medical care. *Drug and Alcohol Dependence*. 2018;191:348-354.
- 75) Samuels EA, Bernstein SL, **Marshall BDL**, Krieger MS, Baird J, Mello MJ. Peer navigation and take-home naloxone for opioid overdose emergency department patients: A preliminary outcome study. *Journal of Substance Abuse Treatment*. 2018;94:29-34.
- 76) Hirschtritt ME, Dauria EF, **Marshall BDL**, Tolou-Shams M. Sexual minority, justice-involved youth: A hidden population in need of integrated mental health, substance use, and sexual health services. *Journal of Adolescent Health*. 2018;63(4):421-428.
- 77) Goedel WC, King MRF, Lurie MN, Nunn AS, Chan PA, **Marshall BDL**. Effect of racial inequities in pre-exposure prophylaxis use on racial disparities in HIV incidence among men who have sex with men: A modeling study. *Journal of Acquired Immune Deficiency Syndromes*. 2018;79(3):323-329.
- 78) Gantenberg JR, King M, Montgomery MC, Galárraga O, Prospero M, Chan PA, **Marshall BDL**. Improving the impact of pre-exposure prophylaxis implementation among men who have sex with men: An agent-based modelling study. *PLoS ONE*. 2018;13(7):e0199915.
- 79) **Marshall BDL**, Goedel WC, King MR, Singleton A, Durham DP, Chan PA, Townsend JP, Galvani AP. Potential effectiveness of long-acting injectable pre-exposure prophylaxis for HIV prevention in men who have sex with men: A modelling study. *Lancet HIV*. 2018;5(9):e498-e505.
- 80) Panagiotoglou D, Olding M, Enns B, Feaster DJ, del Rio C, Metsch LR, Granich RM, Strathdee SA, **Marshall BDL**, Golden MR, Shoptaw S, Schackman BR, Nosyk B, on behalf of the

Localized HIV Modeling Study Group. Building the case for localized approaches to HIV: Structural conditions and health system capacity to address the HIV/AIDS epidemic in six US cities. *AIDS and Behavior*. 2018;22(9):3071-3082.

- 81) Williams EC, McGinnis KA, Bobb JF, Rubinsky AD, Lapham GT, Skanderson M, Catz SL, Bensley KM, Richards JE, Bryant KJ, Edelman EJ, Satre DD, **Marshall BDL**, Kraemer KL, Blossnich JR, Crystal S, Gordon AJ, Fiellin DA, Justice AC, Bradley KA. Changes in alcohol use associated with changes in HIV disease severity over time: A national longitudinal study in the Veterans Aging Cohort. *Drug and Alcohol Dependence*. 2018;189:21-29.
- 82) Rosenthal SR, Clark MA, **Marshall BDL**, Buka SL, Carey KB, Shepardson RL, Carey MP. Alcohol consequences, not quantity, predict major depression onset among first-year female college students. *Addictive Behaviors*. 2018;85:70-76.
- 83) Hadland SE, Cerdá MC, Li Y, Krieger MS, **Marshall BDL**. Association of pharmaceutical industry marketing of opioid products to physicians with subsequent opioid prescribing. *JAMA Internal Medicine*. 2018;178(6):861-863.
- 84) Noroozi M, **Marshall BDL**, Noroozi A, Armoon B, Sharifi H, Qorbani M, Abbasi M, Bazrafshan MR. Effect of alcohol use on injection and sexual behavior among people who inject drugs in Tehran, Iran: A coarsened exact matching approach. *Journal of Research in Health Science*. 2018;18(2):e00416.
- 85) Green TC, Clarke J, Brinkley-Rubinstein L, **Marshall BDL**, Alexander-Scott NE, Boss R, Rich JD. Postincarceration fatal overdoses after implementing medications for addiction treatment in a statewide correctional system. *JAMA Psychiatry*. 2018;75(4):405-407.
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E. ABSTRACTS (SELECTED)

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- 124) **Marshall BDL**, Milloy MJ, Wood E, Galea S, Kerr T. Temporal and geographic shifts in urban and non-urban cocaine-related fatal overdoses in a Canadian setting. *American Journal of Epidemiology*. 2011;173(Suppl 11):S53.
- 125) **Marshall BDL**, Galea S, Wood E, Kerr T. Methamphetamine use increases the risk of attempted suicide among injection drug users: A prospective cohort study. *American Journal of Epidemiology*. 2011;173(Suppl 11):S323.
- 126) Hadland SE, Kerr T, **Marshall BDL**, Qi J, Montaner JSG, Wood E. Suicide and history of childhood trauma among street youth. *Journal of Adolescent Health*. 2011;48(2):S87-S88.
- 127) Johnston CL, **Marshall BDL**, Kerr T, Qi J, Power CJ, Wood E. HIV knowledge and perceptions of risk in a young, urban, drug using population. 9th International Conference on Urban Health, New York NY. Oct. 27-29, 2010. Abstract no. OS38.3.

- 128) **Marshall BDL**, Wood E, Shoveller JA, Patterson TL, Montaner JSG, Kerr T. Pathways to HIV risk and vulnerability among lesbian, gay, bisexual, and transgendered methamphetamine users: A longitudinal gender-based analysis. 9th International Conference on Urban Health, New York, NY. Oct. 27-29, 2010. Abstract no. OS59.1.
- 129) Lloyd-Smith E, Kerr T, **Marshall BDL**, Zhang R, Montaner JSG, Wood E. Determinants of cutaneous injection-related infections among HIV positive injection drug users in Vancouver. 9th International Conference on Urban Health, New York, NY. Oct. 27-29, 2010. Abstract no. OS67.3.
- 130) **Marshall BDL**, Wood E, Shoveller JA, Buxton JA, Montaner JSG, Kerr T. Individual, social, and environmental factors associated with initiating methamphetamine injection: Implications for drug use and HIV prevention strategies. XVIII International AIDS Conference. Vienna, Austria. July 18-23, 2010. Abstract no. TUPE0308.
- 131) **Marshall BDL**, Milloy MJ, Kerr T, Zhang R, Montaner JSG, Wood E. No evidence of increased sexual risk behaviour after initiating antiretroviral therapy (ART) among people who inject drugs. XVIII International AIDS Conference. Vienna, Austria. July 18-23, 2010. Abstract no. MOPE0397.
- 132) Kuyper L, Milloy MJ, **Marshall BDL**, Zhang R, Kerr T, Montaner JSG, Wood E. Does initiation of HIV antiretroviral therapy influence patterns of syringe lending among injection drug users? XVIII International AIDS Conference. Vienna, Austria. July 18-23, 2010. Abstract no. LBPE24.
- 133) Hadland SE, Kerr T, **Marshall BDL**, Qi J, Montaner JSG, Wood E. Depressive symptoms and patterns of substance use among street youth in Vancouver, Canada. Pediatric Academic Societies' 2010 Annual Meeting. Vancouver, Canada. May 1-4, 2010. Abstract no. 1496.555.
- 134) Palepu A, **Marshall BDL**, Lai C, Wood E, Kerr T. Addiction treatment and stable housing among injection drug users. Society of General Internal Medicine 33rd Annual Meeting. Minneapolis, MN. Apr. 22 – May 1, 2010. Abstract no. 197522.
- 135) Bastani P, Druyts E, Hogg RS, **Marshall BDL**, Montaner JSG, Ramadanovic B, Rutherford AR, Vasarhelyi K. Highly active antiretroviral therapy eliminates HIV epidemics in a network model of an injection drug user community. 17th Conference on Retroviruses and Opportunistic Infections. San Francisco, CA. Feb. 16-19, 2010. Abstract no. 997.
- 136) **Marshall BDL**, Shoveller JA, Wood E, Kerr T. Sex, drug and other health-related harms associated with public injecting environments among street-involved youth in a Canadian setting. Harm Reduction 2009: IHRA's 20th International Conference, Bangkok, Thailand. Apr. 20-23, 2009. Abstract no. 412.
- 137) **Marshall BDL**, Kerr T, Livingstone C, Li K, Montaner JSG, Wood E. High prevalence of HIV infection among homeless and street-involved Aboriginal youth in a Canadian setting.

Harm Reduction 2009: IHRA's 20th International Conference, Bangkok, Thailand. Apr. 20-23, 2009. Abstract no. 413.

- 138) Johnston CL, **Marshall BDL**, Callon C, Kerr T, Wood E. Characteristics of survival drug dealing among young male drug users in Vancouver, Canada. Harm Reduction 2009: IHRA's 20th International Conference, Bangkok, Thailand. Apr. 20-23, 2009. Abstract no. 345.
- 139) **Marshall BDL**, Kerr T, Shoveller JA, Montaner JSG, Wood E. Structural factors associated with an increased risk of HIV and sexually transmitted infection transmission among street-involved youth. 7th International Conference on Urban Health, Vancouver, BC. Oct. 29-31, 2008. Abstract no. CS3.6-3.
- 140) **Marshall BDL**, Kerr T, Montaner JSG, Wood E. High rates of injection and non-injection crystal methamphetamine use among queer street-involved youth in Vancouver. *Journal of Prevention, Treatment and Research of Addictions*. 2008;8(2):271.
- 141) **Marshall BDL**, Kerr T, Montaner JSG, Wood E. The characteristics and patterns of crystal methamphetamine use among injection drug users and street-involved youth in a Canadian setting. *Journal of Prevention, Treatment and Research of Addictions*. 2008;8(2);271.
- 142) **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.
- 143) **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.
- 144) 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.
- 145) 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.
- 146) **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.

- 147) **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.
- 148) **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.
- 149) 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.
- 150) 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

- 151) Edelman EJ, Gordon KS, Crystal S, Maisto SA, **Marshall BDL**, McInnes K, Satre DD, Williams EC, Justice AC. Common patient-reported symptoms among HIV+ and HIV- patients who drink alcohol. 43rd Annual RSA Scientific Meeting. Jun 20-24, 2020. Abstract no. 921.
- 152) 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. SAEM 2020 Annual Meeting. May 12-15, 2020. Abstract no. 816639.
- 153) Wightman RS, Perrone J, Scagos R, Krieger MS, Nelson LS, **Marshall BDL**. Opioid overdose deaths with buprenorphine detected in post mortem toxicology: A retrospective analysis. 2020 ACMT Annual Scientific Meeting. Mar 13-15, 2020. Abstract no. 067.
- 154) Adams JA, Yu L, Barry D, Gordon K, Justice AC, Kerns R, Oldfield B, Rentsch C, **Marshall BDL**, Edelman EJ. Trajectories of self-reported opioid use and mortality prognosis for patients with HIV and engaged in care. College on Problems of Drug Dependence (CPDD) Annual Meeting 2020. Jun 20-24, 2020.
- 155) Aroke HA, Buchanan AL, Bratberg J, Yedinak J, Lebeau R, Kogut SJ, **Marshall BDL**. Timely Initiation and Retention on Medication-based Treatment for Opioid Use Disorder among Medicaid Enrollees in Rhode Island. College on Problems of Drug Dependence (CPDD) Annual Meeting 2020. Jun 20-24, 2020.
- 156) 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.

- 157) 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 and jail settings: a microsimulation modeling study. 13th Academic & Health Policy Conference on Correctional Health, Raleigh, NC. Apr 2-3, 2020.

G. GUEST LECTURES

- 1) **Marshall BDL**. "PreventOverdoseRI: Rhode Island's drug overdose surveillance & data dashboard". Johns Hopkins Bloomberg School of Public Health. Sep 10th, 2019.
- 2) **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.
- 3) **Marshall BDL**. "Outbreak investigations". Brown University PHP0850 (Fundamental of Epidemiology). Sept 19th, 2017.
- 4) **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.
- 5) **Marshall BDL**. "Epidemiology of HIV/AIDS and infectious diseases: Social inequalities." Brown University PHP 0320 (Introduction to Public Health). Nov 7, 2016.
- 6) **Marshall BDL**. "Outbreak Investigations". Brown University PHP0850 (Fundamentals of Epidemiology). Sept 20, 2016.
- 7) **Marshall BDL**. "Agent-Based Modeling". Brown University PHP2630 (Statistical Foundations of Data Science). Apr 28, 2016.
- 8) Loucks E, **Marshall BDL**. "Communicating Epidemiologic Research". Brown University PHP2180 (Interpreting Epidemiologic Evidence). Apr 27, 2016.
- 9) **Marshall BDL**. "Epidemiology of HIV/AIDS and infectious diseases: Mapping onto social inequalities". Brown University PHP 0320 (Introduction to Public Health). Oct 19, 2015.
- 10) **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.
- 11) **Marshall BDL**. "Outbreak Investigations". Brown University PHP 0850 (Fundamentals of Epidemiology). Sept 22, 2015.

- 12) **Marshall BDL**. "Introduction to Directed Acyclic Graphs (DAGs)". Brown University PHP 2150 (Foundations in Epidemiology Research). Oct 16, 2014.
- 13) **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.
- 14) **Marshall BDL**. "Outbreak Investigations". Brown University PHP 0850 (Fundamentals of Epidemiology). Sept 18, 2014.
- 15) **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.
- 16) **Marshall BDL**. "HIV in most at-risk populations (MARPs)". Brown University PHP 1070 (Global Burden of Disease). Nov 7, 2012.
- 17) **Marshall BDL**. "The social determinants of drug use". Brown University PHP 1920 (Social Determinants of Health). Oct 2, 2012.
- 18) **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.
- 19) **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.
- 20) 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.
- 21) **Marshall BDL**. "Epidemiology is for everyone: Understanding public health research". Mexico YouthForce AIDS 2008 Pre-Conference, Mexico City, Mexico. Aug. 1, 2008.
- 22) **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.

H. INVITED ACADEMIC PRESENTATIONS

- 1) **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.

- 2) **Marshall BDL**. “Modeling strategies to address the US overdose crisis”. Banff International Research Station. Banff, BC, Canada. Dec 3rd, 2019.
- 3) **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.
- 4) **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.
- 5) **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.
- 6) **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.
- 7) **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.
- 8) **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.
- 9) **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.
- 10) **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.
- 11) **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.
- 12) **Marshall BDL**. “Public health and policy responses to the overdose epidemic: What works?”. Epi Plus HLPM Seminar Series, Boston University School of Public Health. Boston, MA. Oct 11th, 2018.

- 13) **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.
- 14) **Marshall BDL**. "Responding to the nation's overdose crisis: Insights from Rhode Island". 2018 National Planning Conference. New Orleans, LA. April 22nd, 2018.
- 15) **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.
- 16) **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.
- 17) **Marshall BDL**. "Evaluating HIV prevention strategies with agent-based models" Brown University Data Science Initiative Colloquium. Providence, RI. November 16th, 2017.
- 18) **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.
- 19) **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.
- 20) **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.
- 21) **Marshall BDL**, Dimitri DM. "Safe Injection Facilities: The What, Why, and How?" Massachusetts Medical Society Suffolk District Fall Meeting. Boston, MA. October 4th, 2017.
- 22) **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.
- 23) **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.

- 24) **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.
- 25) **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.
- 26) **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.
- 27) **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.
- 28) **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.
- 29) **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.
- 30) **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.
- 31) **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.
- 32) **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.
- 33) **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.
- 34) **Marshall BDL**. “Patterns, Predictors, and Consequences of Non-Medical Prescription Opioid Use in the VACS”. VACS-COMPAAAS Scientific Meeting. Washington, DC. Dec 12th, 2016.

- 35) **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.
- 36) **Marshall BDL**. "Rhode Island's Drug Overdose Dashboard". Rhode Island Department of Health Academic Working Group. Providence, RI. June 27th, 2016.
- 37) **Marshall BDL**. Epidemiology as a Moral Science. 2016 Epidemiology Congress of the Americas. Miami, FL. June 23rd, 2016.
- 38) 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.
- 39) 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.
- 40) 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.
- 41) **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.
- 42) **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.
- 43) **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.
- 158) **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.
- 44) **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.
- 45) **Marshall BDL**. "Contextualizing complexity: When are systems science methods constructive?" Society for Epidemiologic Research 2015 Annual Meeting, Denver, CO. Jun 19th, 2015.

- 46) **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.
- 47) **Marshall BDL**. "Agent-based modeling to examine combination HIV prevention programs for drug-using populations". 2014 National CFAR Symposium, Providence, RI. Nov 6th, 2014.
- 48) **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.
- 49) **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.
- 50) **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.
- 51) **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.
- 52) **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.
- 53) **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.
- 54) **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.
- 55) **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.
- 56) **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.

- 57) **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.
- 58) **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.
- 59) **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.
- 60) **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.
- 61) **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.
- 62) **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.
- 63) **Marshall BDL**. "High prevalence of HIV infection among homeless and street-involved Aboriginal youth". Canadian Student Health Research Forum, Winnipeg, MB. June 3, 2009.
- 64) **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.
- 65) **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.
- 66) **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.
- 67) **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.
- 68) **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.

- 69) **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.

I. INVITED NON-ACADEMIC PRESENTATIONS

- 70) **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.
- 71) **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.
- 72) **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.
- 73) Milette M, Bennett J, Attilio L, **Marshall BDL**. Policy and solutions to the opioid epidemic. South by Southwest (SXSW). Austin, TX. Mar 8th, 2018.
- 74) **Marshall BDL**. "Update on overdose deaths in Rhode Island communities". Governor's Overdose Prevention and Intervention Task Force. Providence, RI. Oct 10th, 2018.
- 75) **Marshall BDL**. "Facts vs. fiction of supervised consumption facilities". Cambridge Health Department. Cambridge, MA. Aug 23rd, 2018.
- 76) **Marshall BDL**. "Insight into Insite: Vancouver's supervised injection facility". Prevention Point Workshop. Philadelphia, PA. May 11th, 2018.
- 77) **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.
- 78) **Marshall BDL**. "Supervised consumption facilities and other harm reduction approaches to the opioid overdose epidemic." Lowell Opioid Task Force. Lowell, MA. April 13th, 2018.
- 79) **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.
- 80) **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.

- 81) **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.
- 82) **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.
- 83) **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.
- 84) **Marshall BDL**. “Update on the opioid epidemic”. Rhode Island Public Health Association Annual Meeting Keynote Address. Cranston, RI. November 1st, 2017.
- 85) **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.
- 86) **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.
- 87) 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.
- 88) 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.
- 89) **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.
- 90) **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.
- 91) **Marshall BDL**, Green TC. “Emerging trends in Rhode Island: Youth & Fentanyl”. Rhode Island Drug Overdose Prevention and Rescue Coalition. Pawtucket, RI. March 16th, 2016.

- 92) **Marshall BDL**. “Rhode Island’s Drug Overdose Dashboard”. Rhode Island Governor’s Overdose Prevention and Intervention Task Force. Providence, RI. March 9th, 2016.
- 93) **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.
- 94) **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.
- 95) **Marshall BDL**. “Young people and HIV in BC: An epi update.” YouthCO AIDS Society Speaker’s Bureau Community Night, Vancouver, BC. Nov. 24, 2009.

J. PROFESSIONAL PUBLICATIONS

- 1) 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.
- 2) **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.
- 3) **Marshall BDL**. HIV among homeless and street-involved youth: a growing concern. *Living + Magazine*. 2009;62:34.

K. AUTHORED LETTERS TO LAY MEDIA

- 1) **Marshall BDL**, Shihpar A. The latest failure in the war on drugs. *The New York Times*. Nov 19th, 2019.
- 2) Shihpar A, **Marshall BDL**. As opioids settlements roll in, the money must go where it’s needed most. *Washington Post*. July 17th, 2019.
- 3) Shihpar A, **Marshall BDL**. To truly tackle the opioid crisis, governments need to work together. *The Globe and Mail*. Dec 18, 2018.
- 4) Milloy MJ, **Marshall BDL**. The evidence says safe injection sites needed in Winnipeg. *Winnipeg Free Press*. May 22, 2018: p. A7.

- 5) **Marshall, BDL**. "To combat overdoses, legalize pot." *The Providence Journal*, March 5, 2016: p. A13.
- 6) **Marshall, BDL**. "Injection site saves money – and lives." *Calgary Sun*, May 1, 2011: p. 20.

7. RESEARCH GRANTS

A. GRANTS CURRENTLY HELD

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

Total Amount: \$3,267,708

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

Total Amount: \$3,518,396

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

Total Amount: \$3,491,173

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.

Highly Adaptive Epidemic Control Strategies for HIV Prevention in Drug Users

Role on Project: Principal Investigator

Project Period: July 1st, 2015 – June 30th, 2020

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

Total Amount: \$1,500,000

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.

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

Total Amount: \$1,371,195

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.

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

Role on Project: co-Principal Investigator

Funder: Laura and John Arnold Foundation

Project Period: July 1, 2018 – June 30, 2022

Total Amount: \$801,819

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.

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.

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

Total Amount: \$215,157

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.

Developing Patient-Level Risk Prediction Models for Prescription Opioid Overdose

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

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

Project Period: Sept 30th, 2017 – July 31st, 2021

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.

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 – Feb 28th, 2021

Project Identifier: R01-DA041747

Total Amount: \$2,475,535

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.

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

Role on Project: Consultant (PI: E.J. Edelman)

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

Project Period: Jul 1, 2015 – Apr 30, 2020

Project Identifier: R01-DA040471

Total Amount: \$238,688

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.

Socio-Cultural Contexts and Young Men's Sexual Lives

Role on Project: Collaborator (PI: J.A. Shoveller)

Funder: Canadian Institutes of Health Research

Project Period: July 15, 2016 – July 15, 2021

Total Amount: \$573,375

Project Identifier: 365548

Description: The objective of this study is to evaluate three intervention programs designed to reduce young men's STI/HIV risks in BC, Canada. The data generated will inform the effective and ethical adaptation and scaling up of these interventions in ways that enhance their capacity to positively affect the sexual health of young men at risk for STI/HIV.

B. COMPLETED GRANTS

Prescription Drug Overdose Prevention for States

Role on Project: Subcontract Principal Investigator

Project Period: September 15, 2015 – September 14, 2019

Funder: Centers for Disease Control and Prevention (CDC)

Total Amount: \$82,943

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.

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)

Total Amount: \$4,850,857

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)

Total Amount: \$2,992,830

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)

Total Amount: \$2,418,096

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

Total Amount: \$928,264

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

Total Amount: \$244,437

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

Total: \$1,712,635

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

Total Amount: \$458,596

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

Total Awarded: \$50,000

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

Total Amount: \$366,212

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

Total Amount: \$455,157

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)

Total Amount: \$1,792,589

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)

Total Amount: \$337,438

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)

Total Amount: \$40,000

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)

Total Amount: \$1,270,028

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)

Total Amount: \$1,630,884

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

Total Amount: \$300,000

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)

Total Amount: \$771,579

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)

Total Amount: \$2,418,096

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)

Total Amount: \$989,737

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)

Total Amount: \$2,075,576

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)

Total Amount: \$336,569

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

Total Amount: \$39,883

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. Vasarhelyi)

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

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

Total Amount: \$62,600

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

Community Health Consequences of the Opioid Epidemic

Role on Project: co-Principal Investigator

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

Project Period: 07/01/2020 – 06/30/2025

Total Requested: \$3,265,159

Description: This study aims to determine whether sudden, acute changes in opioid overdose rates, as well as long-term patterns of opioid overdose are associated with: (a) an increase in neonatal abstinence syndrome, abuse/neglect, injuries, mental illness and behavioral disorders among local children (including those with and without parents who overdosed); and (b) an increase in depression, anxiety, trauma/stressor-related disorders and substance use disorders among adults in the same community.

Using a Big Data Approach to Characterize the Opioid Use Disorder Care Continuum

Role on Project: co-Principal Investigator

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

Project Period: 04/01/2020 – 03/31/2022

Project Identifier: R21-DA050870

Total Requested: \$436,852

Description: This study will use a novel and “big-data” approach-All Payers Claims Databases (APCDs) to characterize the OUD care continuum, explore factors associated with low engagement in care, and conduct individual-level microsimulation to estimate the effect of improved engagement in the OUD care in reducing opioid overdose deaths.

8. SERVICE

A. EXTRAMURAL

- Co-Chair, National Quality Forum (NQF) Technical Expert Panel on Opioids and Opioid Use Disorder 2019 - present
- Member, Drug Safety and Risk Management Advisory Committee (DSaRM), Food and Drug Administration (FDA) 2018 - present

- Member, Education Committee, Society for Epidemiologic Research 2012 - 2016
- 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.
- Abstract reviewer: 18th Annual Canadian Conference on HIV/AIDS Research, October 2008.
- Abstract reviewer, 7th International Conference on Urban Health, June 2008.

B. UNIVERSITY AND DEPARTMENTAL

- Member, Addiction Working Group, Strategic Planning Committees 2019
- Acting Graduate Program Director 2019
Department of Epidemiology, Brown University
- Member, Review Committee, Framework in Global Health Scholarship Program 2015 - present
- Member, Faculty Executive Committee, Brown Policy Lab 2018 – present
- 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
Department of Epidemiology, Brown University
- Member, Admissions Committee 2013 - present
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 - 2019
- Addictive Behaviors 2018
- AIDS 2011, 2017 – 2018
- AIDS and Behavior 2012, 2014, 2016 – 2017
- AIDS Research and Therapy 2011
- American Journal of Epidemiology 2011 – 2012, 2014 – 2019
- American Journal of Public Health 2011 – 2014, 2016 – 2018
- Annals of Internal Medicine 2018 - 2019
- BMC Public Health 2009 – 2010, 2013 – 2016
- Bulletin of the World Health Organization 2013 – 2015
- Clinical Infectious Diseases 2016 – 2019
- Current Psychiatry Reviews 2009
- Drug and Alcohol Dependence (top 5% of reviewers 2011 & 2013) 2008 – 2019
- Drug and Alcohol Review 2011, 2014, 2016, 2018 - 2019
- Epidemiologic Reviews 2017 – 2019
- Epidemiology 2011 – 2012
- Harm Reduction Journal 2009
- Health Affairs 2014 – 2018
- Health Education Research 2009
- Health Services Research 2018
- HIV Medicine 2010, 2015
- International Journal of Drug Policy (outstanding reviewer, 2015) 2011 – 2020
- 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 the International AIDS Society 2011, 2014 – 2018
- Journal of Public Health 2012 – 2013
- Journal of Traumatic Stress 2013 – 2014
- Journal of Urban Health 2010 – 2011, 2015
- 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 – 2018
- The Lancet Public Health 2020

E. GRANT REVIEW

- Ad Hoc Reviewer, National Institutes of Health (NIH) Community Influences on Health Behavior (CIHB) Study Section, June 3-4, 2019.
- 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

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|--|---------------------|
| 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 – Present
<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 	
Camp fYrefly BC Steering Committee	May 2008 – June 2009
<ul style="list-style-type: none"> • Member, Steering Committee & Fundraising Committee 	
UBC Public Health Interest Group	Sept 2007 – Dec 2008
<ul style="list-style-type: none"> • Member, Steering Committee 	

9. AWARDS

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 	
CIHR Institute of Population and Public Health Travel Award	2010
<ul style="list-style-type: none"> • Awarded \$2,000 to present research at the 9th International Conference on Urban Health 	
American College of Epidemiology 2010 Student Prize	2010
<ul style="list-style-type: none"> • Awarded for outstanding scientific contribution by a student of epidemiology 	
UBC PhD Tuition Award	2008-2010
<ul style="list-style-type: none"> • Awarded \$8,000 for academic achievement 	
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 	
BC Mental Health & Addictions Research Network Travel Scholarship	2008-2009
<ul style="list-style-type: none"> • Awarded \$2,200 to attend two international addictions conferences 	
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 	
7th International Conference on Urban Health Student Prize	2008
<ul style="list-style-type: none"> • Awarded \$500 for top-rated student abstract 	

Interagency Coalition on AIDS and Development Travel Award	2008
<ul style="list-style-type: none"> • Awarded \$1,500 to attend the XVII International AIDS Conference 	
XVII International AIDS Conference Scholarship	2008
<ul style="list-style-type: none"> • Awarded partial funding to attend the conference and present three abstracts 	
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 (declined)	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
<ul style="list-style-type: none"> • Awarded \$17,500 for exceptional academic achievement and research potential 	
Faculty of Medicine Grant Supplement Award – UBC	2006
<ul style="list-style-type: none"> • Awarded to first year graduate students who hold a major external scholarship 	
NSERC Undergraduate Student Research Award – SFU	2006
<ul style="list-style-type: none"> • Awarded for academic excellence and research potential 	
Undergraduate Scholar Program Scholarship – UBC	2001-2005
<ul style="list-style-type: none"> • Awarded for overall academic excellence during an undergraduate program 	
NSERC Undergraduate Student Research Award – UBC	2005
<ul style="list-style-type: none"> • Awarded for academic excellence and research potential 	
Norman MacKenzie Alumni Entrance Scholarship – UBC	2001
<ul style="list-style-type: none"> • Awarded as a major university entrance scholarship 	
Canada Millennium Foundation Local Excellence Award	2001
<ul style="list-style-type: none"> • Awarded for academic success, leadership, and community commitment 	
Governor General’s Academic Medal (Bronze)	2001
<ul style="list-style-type: none"> • Awarded for highest overall GPA in a graduating class 	

10. TEACHING

Session	Course	Class Size	Scheduled Hours	
			Lecture	Lab/ Tutorial
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

11. STUDENTS

Current Students/Fellows

Trainee Name	Type/Training Period	Thesis/ Project Title	Funding	Role
Shayla Nolen	PhD Epidemiology, Brown University (2019 – present)			Primary Advisor
William Goedel	PhD Epidemiology, Brown University (2017 – present)	Leveraging social networks to improve uptake of a novel biomedical HIV prevention method	NIH: F31MH12112; PI W. Goedel	Academic Advisor
Jason Gantenberg	PhD Epidemiology, Brown University (2016 – present)		N/A	Academic Advisor
Joella Adams	PhD Epidemiology, Brown University (2016 – present)	Evaluating the impact of mass incarceration on HIV acquisition in women	NIH: F31 MH114736; PI J. Adams	Dissertation Advisor
Alexandria Macmadu	PhD Epidemiology, Brown University (2018 – present)			
Abdullah Shhipar	MPH Epidemiology, Brown University (2017 – present)			

Completed Students

Trainee Name	Type/Training Period	Thesis/ Project Title	Funding	Role
Jacqueline Goldman	ScM Epidemiology, Brown University (2017 – 2019)	Correlates of death during opioid use disorder detoxification treatment in the United States, 2014	N/A	Academic 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	N/A	Thesis Reader

		modelling study		
Geetanjoli 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	Academic 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	Academic 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 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

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

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- 1) Morse, Barbara. ‘War on Opioids: Drastic Measures’ examines safe injection sites. *NBC 10 WJAR*. Dec 14th, 2019.

- 2) Joubert M, Jagolinzer J. Research suggests how fentanyl test strips could save lives. *Western Mass News*. Nov 18th, 2019.
- 3) Rappleye, Bill. Brown University awarded \$6.8M to battle opioid epidemic. *NBC10*. Oct 29th, 2019.
- 4) Cerrone, Alana. Public health expert weighs in on safe injection sites. *ABC6 Nightly News*. Feb 27th, 2019.
- 5) Silvia, Barbara Morse. War on Opioids: 'Safe Stations' across Providence. *NBC Channel 10 Nightly News*. Nov 8th, 2018.
- 6) Keough, Kim. "The Fix: Examining Rhode Island's Opioid Epidemic". *Rhode Island PBS*. May 30th, 2018.
- 7) Gupta, Sanjay. "Opioid addiction and the most controversial bathroom in New York". *CNN*. October 26th, 2017.
- 8) "Some say legal payments between drug companies, doctors fueling opioid crisis". *WSB-TV Atlanta*. Aug 11th, 2017.
- 9) Bebinger, Martha. "As fentanyl deaths rise, an off-label tool becomes a test for the killer opioid". *WBUR NPR Boston*. May 11th, 2017.
- 10) Bebinger, Martha. "How supervised injection sites work". *WBUR NPR Boston*. April 5th, 2017.
- 11) Gourley, Kristin, "New help for addicts, one call or click away". *Rhode Island Public Radio*. June 28th, 2016.
- 12) Gourley, Kristin. "Injection drug use fuels rise in hepatitis C cases". *Rhode Island Public Radio (NPR)*. May 26th, 2015.
- 13) Pesquisador descobre como reduzir a SIDA em Cabo Verde até 2012" [Portuguese]. *Radiotelevisão Caboverdiana*. April 18th, 2015.
- 14) 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.
- 15) 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.
- 16) "Supervised injection sites." *MD-FM*. Oct. 17, 2013.
- 17) "Brown professor unveils new HIV infection prediction simulator." *Rhode Island National Public Radio (NPR)*. Jul. 26, 2012.
- 18) "Vancouver's safe-injection site slashes fatal overdoses: report." *Global National*. Apr. 18, 2011.
- 19) "Vancouver's Insite reduces overdose deaths: study." *CTV News*. Apr. 17, 2011.
- 20) "Vancouver's safe injection site brings a dramatic drop in deaths from overdose." *CBC News – The National*. Apr. 17, 2011.

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

- 1) Bates, M. Drug overdose deaths decline, but remain historically high. *IEEE PULSE*. Mar 6th, 2020.
- 2) Graham, E. Brown research could change approach to R.I. opioid crisis. *Providence Business News*. Dec 13th, 2019.
- 3) Miller, G. Wayne. Brown and state Department of Health launch new efforts against drug overdose. *The Providence Journal*. Oct 30th, 2019.
- 4) Willyard, Cassandra. Mitigating opioids' harm. *Nature*. 2019;573:S17-S19.
- 5) Painter, Kim. Hope in the opioid crisis? Overdose deaths appear to be leveling off as states intensify efforts to save lives. *USA Today*. Jan 20th, 2019.
- 6) Goodnough, Abby. Study links drug maker gifts for doctors to more overdose deaths. *The New York Times*. Jan 18th, 2019.
- 7) Campo-Flores, Arian. Fentanyl's new foe: A quick test strip that can prevent overdoses. *Wall Street Journal*. Jan 2nd, 2019.
- 8) Joseph, Andrew. Overdose deaths have fallen for six months. Is it temporary or a sign of a corner turned? *STAT News*. October 23rd, 2018.
- 9) Reardon, Sara. How digital drug users could help to halt the US opioid epidemic. *Nature*. 2018;560:295-297.
- 10) Sanger-Katz, Margot. Bleak new estimates in drug epidemic: A record 72,000 overdose deaths in 2017. *The New York Times*. August 16th, 2018: A1.
- 11) Freyer, Felice. State senate nixes plan for drug-injection site designed to prevent overdose deaths. *Boston Globe*. July 19th, 2018.
- 12) Kalter, Lindsay. Cheap meals for docs boost opioid drug sales, says Boston Medical Center study. *Boston Herald*. May 14th, 2018.
- 13) Szaniszló, Marie. Bay State weights injection sites in opioid OD battle. *Boston Herald*. March 7th, 2018.
- 14) Fuerst, Mark L. HCV screening common but follow-up lacking in young opioid users. *Medical Economics*. March 5th, 2018.
- 15) Naylor, Donita. Safe injection sites seen as a gateway to recovery. *Providence Journal*. March 4th, 2018.
- 16) Katz, Josh. How a police chief, a governor, and a sociologist would spend \$100 billion to solve the opioid crisis. *The New York Times*. February 14th, 2018.
- 17) Katz, Josh & Goodnough, Abby. The opioid crisis is getting worse, particularly for black Americans. *The New York Times*. December 22nd, 2017.
- 18) Scutti, Susan. "Cocaine deaths among blacks on par with opioid deaths among whites, study finds". *CNN*. December 4th, 2017.

- 19) Tidwell, M.J. Experts share ways to limit opioid crisis at Baystate forum. *Daily Hampshire Gazette*. Dec 1st, 2017.
- 20) Demanche, Jeff. State officials act to stymie Rhode Island's opioid epidemic. *Brown Daily Herald*. Nov 17th, 2017.
- 21) Fransham, James. Forecasting the opioid epidemic. *The Economist*. Oct 28th, 2017.
- 22) Roscoe, Lee. Cape Cod divided on possible injection sites. *Wicked Local Dennis*. Sept 20th, 2017.
- 23) Harrington, John; Frohlich, Thomas C.; Comen, Evan. How drug overdose is a leading cause of death among young people. *24/7 Wall St*. Aug 23rd, 2017.
- 24) Zezima, Katie. Study: Doctors received more than \$46 million from drug companies marketing opioids. *The Washington Post*. Aug 9th, 2017.
- 25) Katz, Josh. Short answers to hard questions about the opioid crisis. *The New York Times*. Aug 3, 2017.
- 26) Blake, Andrew. Feds seize nearly 100 pounds of fentanyl, deadly synthetic opiate, in unprecedented drug bust. *The Washington Times*. June 20th, 2017.
- 27) Ardit, L. R.I. Business Innovators: 11 trailblazers to follow in 2016. *The Providence Journal*. Dec 30th, 2016.
- 28) Cohen, R. Opioid-abuse treatment eludes most who need it in Rhode Island. *Fox News*. Dec 13th, 2016.
- 29) Aleccia, J. As Seattle eyes supervised drug-injection sites, is Vancouver a good model? *The Seattle Times*. Nov 30, 2016.
- 30) Ardit, L. R.I., Brown join hands to improve public health. *The Providence Journal*. August 22nd, 2016.
- 31) Stabile, L. Brown researchers say treatment expansion could eliminate hepatitis C in R.I. *Providence Business News*. July 11th, 2016.
- 32) Kirsch, N. Raimondo launches campaign to combat opioid overdose epidemic. *Providence Business News*. July 4th, 2016.
- 33) Miller, G.W. New statewide campaign targets drug addiction in RI. *The Providence Journal*. June 27th, 2016.
- 34) Volansky, R. A conversation with Brandon D.L. Marshall, PhD. *HCV Next*. June, 2016.
- 35) Foderaro, L.W. Fighting heroin, Ithaca looks to injection centers. *The New York Times*. March 22nd, 2016.
- 36) Harrison, L. Rhode Island Hep C Complications Projected to Continue. *Medscape Medical News*. March 17th, 2016.
- 37) Smith Cross, J. Canada's 'most famous junkie' makes case for supervised injection sites in Toronto. *Metro News Toronto*. March 16th, 2016.
- 38) Gray J, Mahoney J, Woo A. Toronto to consider three proposed supervised drug-injection sites. *The Globe and Mail*. March 14th, 2016: A6.

- 39) McCoy, Terrence. Heroin kills thousands of people every year. Here's a controversial solution that could change that. *The Washington Post*. March 8th, 2016.
- 40) Axton, Natalie. Depot, Darien Police offer the 'straight talk' on town's heroin use. *Darien Times*. September 22nd, 2015.
- 41) Bakes, Katherine. History of childhood maltreatment and suicide attempts among street youth. *NEJM Journal Watch*. August 14th, 2015.
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- 47) Kazatchkine, Michel. Canada's drug policy is in with the wrong crowd. [Op-Ed]. *Ottawa Citizen*. Feb 26, 2014: A13.
- 48) Nagle, Kate. Hundreds in Rhode Island expected to die from overdose in 2014. *GoLocalProv*. Retrieved Feb 18, 2014 from: <http://www.golocalprov.com/news/hundreds-in-rhode-island-expected-to-die-from-overdose-in-2014/>.
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- 57) Nussenbaum, Kate. Study examines military reserve alcohol abuse. *Brown Daily Herald*. 2012;122(45): 4. April 6, 2012.
- 58) Sinclair, Leslie. Suicide monitoring urged for certain meth users. *Psychiatric News*. 2011;46(24):9-33.
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- 60) Bains, Camille. Doctors say court ruling on Insite opens door for similar facilities in Canada: Doctors hail court ruling on Insite. *The Canadian Press*. Sep. 30, 2011.
- 61) Ljungren, David. Safe drug-injection site can stay: Supreme Court of Canada. *Reuters Canada*. Sep. 30, 2011.
- 62) Stueck, Wendy. Insite saves lives (no it doesn't). Ottawa is in control (no it isn't): A few arguments the Supreme Court justices are about to hear. *The Globe and Mail*. May 12, 2011: A10.
- 63) Let health prevail over prohibition. [Editorial]. *The Globe and Mail*. May 11, 2011: A16.
- 64) There is no reason for Conservatives to oppose Insite. [Editorial]. *The Vancouver Sun*. May 11, 2011: A10.
- 65) The evidence supports Insite. [Editorial]. *The Ottawa Citizen*. May 7, 2011: B6.
- 66) Breakenridge, Rob. Politicians too quick to ignore evidence. *Calgary Herald*. Apr. 26, 2011: A10.
- 67) Safe-injection facility cuts overdose death rate. *Science*. 2011;332(6028):402-403.
- 68) Insite's proven benefits ignored in political fray. [Editorial]. *Star – Phoenix*. Apr. 25, 2011: A6.
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- 72) McKnight, Peter. Will dramatic drop in overdose deaths be enough to save Insite? [Column]. *The Vancouver Sun*. Apr. 18, 2011: A3.
- 73) Chai, Carmen. Proof of Insite's value in the numbers; fatal overdoses in Vancouver have been reduced 35 per cent, report says. *Vancouver Sun*. Apr. 18, 2011: B1.
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