

BRANDON D.L. MARSHALL, Ph.D.

Department of Epidemiology
Brown University School of Public Health
121 South Main Street, Box G-S-121-2
Providence, RI, 02912
Tel: 401-863-6427 (office)/401-863-3713 (fax)
Email: brandon_marshall@brown.edu

1. DATE OF PREPARATION

October 9th, 2017

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
3) International Epidemiological Association	2014 – present

6. PUBLICATIONS

A. BOOK CHAPTERS

- 1) **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.
- 2) **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) Armoon B, Noroozi M, Shushtari ZJ, Sharhani A, Ahounbar E, Karimi S, Ahmadi S, Farhoudian A, Rahmani A, Mohammad A, **Marshall BDL**, Rezaei O, Rezaei F, Sharifi H, Najafi M, Bazrafshan A, Farhadi MH. Factors associated with HIV risk perception among people who inject drugs: Findings from a cross-sectional behavioral survey in Kermanshah, Iran. *Journal of Substance Use* (in press).

- 2) Soipe AI, Taylor LE, Abioye AI, Green TC, Hadland SE, **Marshall BDL**. Prevalence of hepatitis C screening, testing, and care experience among young adults who use prescription opioids nonmedically in Rhode Island. *Journal of Adolescent Health* (in press).
- 3) **Marshall BDL**, Yedinak JL, Goyer J, Green TC, Koziol JA, Alexander-Scott N. Development and dissemination of a statewide, publicly accessible drug overdose surveillance and information system. *American Journal of Public Health*. 2017 (ePub ahead of print). DOI: 10.2105/AJPH.2017.304007.
- 4) Adams JW, Bryant KJ, Edelman EJ, Fiellin DA, Gaither JR, Gordon AJ, Gordon JS, Kraemer KL, Mimiaga MJ, Operario D, Tate JP, van den Berg JJ, Justice AC, **Marshall BDL**. Association of cannabis, stimulant, and alcohol use with mortality prognosis among HIV-infected men. *AIDS and Behavior* (ePub ahead of print). DOI: 10.1007/s10461-017-1905-4.
- 5) Liebling EJ, Green TC, Hadland SE, **Marshall BDL**. Injection drug use and overdose among young adults who use prescription opioids non-medically. *Addictive Behaviors*. 2018;76:20-26.
- 6) Hadland SE, Krieger M, **Marshall BDL**. Industry payments to physicians involving opioids, 2013-2015. *American Journal of Public Health*. 2017;107(9):1493-1495.
- 7) Escudero DJ, Lurie MN, Mayer KH, King M, Galea S, Friedman SR, **Marshall BDL**. The risk of HIV transmission at each step of the HIV care continuum among people who inject drugs: A modeling study. *BMC Public Health*. 2017;17:614.
- 8) Jacka B, Bray B, Applegate T, **Marshall BDL**, Lima VD, Hayashi K, DeBeck K, Raghwan J, Harrigan PR, Kraiden M, Montaner JSG, Grebely J. Drug use and phylogenetic clustering of hepatitis C virus infection among people who use drugs in Vancouver, Canada: A latent class analysis approach. *Journal of Viral Hepatitis* (ePub ahead of print). DOI: 10.1111/jvh.12758.
- 9) **Marshall BDL**, Krieger MS, Yedinak JL, Ogera P, Banerjee P, Alexander-Scott NE, Rich JD, Green TC. Epidemiology of fentanyl-involved drug overdose deaths: A geospatial retrospective study in Rhode Island, USA. *International Journal of Drug Policy*. 2017;46:130-135.
- 10) Carroll JJ, **Marshall BDL**, Rich JD, Green TC. Exposure to fentanyl-contaminated heroin and overdose risk among illicit opioid users in Rhode Island: A mixed methods study. *International Journal of Drug Policy*. 2017;46:136-145.
- 11) Lofgren ET, **Marshall BDL**, Galea S. Re: Integrating complex systems thinking in epidemiologic research. *Epidemiology*. 2017;28(5):e50.
- 12) Evans TI, Liebling EJ, Green TC, Hadland SE, Clark MA, **Marshall BDL**. Associations between physical pain, pain management, and frequency of non-medical prescription opioid use

among young adults: A sex-specific analysis. *Journal of Addiction Medicine*. 2017;11(4):266-272.

- 13) Fernandez CA, Vicente B, **Marshall BDL**, Koenen KC, Arheart KL, Kohn R, Saldivia S, Buka SL. Longitudinal course of disaster-related posttraumatic stress disorder (PTSD) in a prospective cohort of Latin American adults. *International Journal of Epidemiology*. 2017;46(2):440-452.
- 14) **Marshall BDL**, Tate JP, McGinnis KA, Bryant KJ, Cook RL, Edelman EJ, Gaither JR, Kahler CW, Operario D, Fiellin DA, Justice AC. Long-term alcohol use patterns and HIV disease severity. *AIDS*. 2017;31(9):1313-1321.
- 15) Bouvier BA, Elston B, Hadland SE, Green TC, **Marshall BDL**. Willingness to use a supervised injection facility among young adults who use prescription opioids non-medically. *Harm Reduction Journal*. 2017;14:13.
- 16) Shangani S, Escudero DE, Kirwa K, Harrison A, **Marshall BDL**, Operario D. Effectiveness of peer-led interventions to increase HIV testing among men who have sex with men: A systematic review and meta-analysis. *AIDS Care*. 2017;29(8):1003-1013.
- 17) Macmadu A, Carroll JJ, Hadland SE, Green TC, **Marshall BDL**. Prevalence and correlates of fentanyl-contaminated heroin exposure among young adults who use prescription opioids non-medically. *Addictive Behaviors*. 2017;68:35-38.
- 18) Sharifi H, Mirzazadeh A, Noroozi A, **Marshall BDL**, Farhoudian A, Higgs P, Vameghi M, Shahboulaghi FM, Qorani M, Massah O, Armoon B, Noroozi M. Patterns of HIV risks and related factors among people who inject drugs in Kermanshah, Iran: A latent class analysis. *Journal of Psychoactive Drugs*. 2017;49(1):69-73.
- 19) Gao TY, Howe CJ, Zullo AR, **Marshall BDL**. Risk factors for self-report of not receiving an HIV test among adolescents in NYC with a history of sexual activity, 2013 YRBS. *Vulnerable Children & Youth Studies*. 2017;12(4):277-291.
- 20) Zalazar V, Aristegui I, Kerr T, **Marshall BDL**, Romero M, Sued O, Socías E. High willingness to use HIV pre-exposure prophylaxis among transgender women in Argentina. *Transgender Health*. 2016;1(1):266-273.
- 21) Liebling EJ, Yedinak JL, Green TC, Hadland SE, Clark MA, **Marshall BDL**. Access to substance use treatment among young adults who use prescription opioids non-medically. *Substance Abuse Treatment, Prevention, and Policy*. 2016;11:38.
- 22) Yedinak JL, Kinnard EN, Hadland SE, Green TC, Clark MA, **Marshall BDL**. Social context of non-medical prescription opioid use among young adults: A qualitative study. *American Journal on Addiction*. 2016;25(8):659-665.

- 23) Brinkley-Rubinstein L, Parker S, Gjelsvik A, Mena L, Chan PA, Harvey J, **Marshall BDL**, Beckwith C, Riggins R, Arnold T, Nunn A. Condom use and incarceration among STD clinic attendees in the Deep South. *BMC Public Health*. 2016;16:971.
- 24) Banerjee G, Edelman EJ, Barry DT, Becker W, Cerdá M, Crystal S, Gaither JR, Gordon AJ, Gordon K, Kerns R, Martins SS, Fiellin DA, **Marshall BDL**. Non-medical use of prescription opioids is associated with heroin initiation among U.S. veterans: A prospective cohort study. *Addiction*. 2016;111(11):2021-2031.
- 25) Rosenthal SR, Buka SL, **Marshall BDL**, Carey KB, Clark MA. Negative experiences on Facebook and depression among young adults. *Journal of Adolescent Health*. 2016;59(5):510-516.
- 26) Escudero DJ, Lurie MN, Mayer KH, Weinreb C, King M, Galea S, Friedman SR, **Marshall BDL**. Acute HIV infection transmission among people who inject drugs in a mature epidemic setting. *AIDS*. 2016;30(16):2537-2544.
- 27) Soipe A, Razavi H, Razavi-Shearer D, Galárraga O, Taylor LE, **Marshall BDL**. Chronic hepatitis C virus (HCV) burden in Rhode Island: Modelling treatment scale-up and elimination. *Epidemiology & Infection* 2016;144(16):3376-3386.
- 28) Richardson L, Laing A, Milloy MJ, Maynard R, Nosyk B, **Marshall BDL**, Grafstein E, Daly P, Wood E, Montaner JSG, Kerr T. Protocol of the Impact of Alternative Social Assistance Disbursement on Drug-Related Harm (TASA) Study: A randomized controlled trial to test payment timing and frequency among people who use illicit drugs. *BMC Public Health*. 2016;16:668.
- 29) Evans TI, Hadland SE, Clark MA, Green TC, **Marshall BDL**. Factors associated with knowledge of a Good Samaritan law among young adults who use prescription opioids non-medically. *Harm Reduction Journal*. 2016;13:24.
- 30) Rich JD, Beckwith C, Macmadu A, **Marshall BDL**, Brinkley-Rubenstein L, Amon JJ, Milloy MJ, King MRF, Sanchez J, Atwoli L, Altice FL. Clinical care of incarcerated people with HIV, viral hepatitis, and/or tuberculosis. *The Lancet*. 2016;388(10049):1103-1114.
- 31) Loh J, Kennedy MC, Wood E, Kerr T, **Marshall BDL**, Parashar S, Montaner JSG, Milloy MJ. Longer duration of homelessness is associated with a lower likelihood of non-detectable plasma HIV-1 RNA viral load among people who use illicit drugs in a Canadian setting. *AIDS Care*. 2016;28(11):1448-1454.
- 32) Escudero DJ, **Marshall BDL**, Kerr T, Hayashi K, Feng C, Guillemi SA, Hogg RS, Montaner JSG, Wood E, Milloy MJ. No association between HIV status and risk of non-fatal overdose among people who inject drugs in Vancouver, Canada. *Addictive Behaviors* 2016;60:8-12.

- 33) Talley AE, Gilbert PA, Mitchell J, Goldbach J, **Marshall BDL**, Kaysen D. Addressing gaps on risk and resilience factors for alcohol use outcomes in sexual and gender minority populations. *Drug and Alcohol Review*. 2016;35(4):484-493.
- 34) Edelman EJ, Gordon KS, Tate JP, Becker WC, Bryant K, Crothers K, Gaither JR, Gilbert CL, Gordon AJ, **Marshall BDL**, Rodriquez-Barradas, MC, Samet JH, Skanderson M, Justice AC, Fiellin DA. The impact of prescribed opioids on CD4 cell count recovery among HIV-infected patients newly initiating antiretroviral therapy. *HIV Medicine*. 2016;17(10):728-739.
- 35) Pakula B, **Marshall BDL**, Shoveller JA, Chesney MA, Coates T, Koblin B, Mayer KH, Mimiaga MJ, Operario D. Gradients in depressive symptoms by socioeconomic position among men who have sex with men in the EXPLORE study. *Journal of Homosexuality*. 2016;63(8):1146-1160.
- 36) Wray TB, Grin B, Dorfman L, Glynn TR, Kahler CW, **Marshall BDL**, van den Berg JJ, Zaller N, Bryant KJ, Operario D. Systematic review of interventions to reduce problematic alcohol use in men who have sex with men. *Drug and Alcohol Review*. 2016;35(2):148-157.
- 37) Hayashi K, Dong H, **Marshall BDL**, Milloy MJ, Montaner JSG, Wood E, Kerr T. Sex-based differences in rates, causes and predictors of death among people who inject drugs in Vancouver, Canada. *American Journal of Epidemiology*. 2016;183(6):544-552.
- 38) Jacka B, Applegate TL, Poon AF, Raghwanji J, Harrigan PR, DeBeck K, Milloy MJ, Kraiden M, Olmstead A, Joy JB, **Marshall BDL**, Hayashi K, Pybus OG, Lima VD, Magiorkinis G, Montaner JSG, Lamoury F, Dore GJ, Wood E, Grebely J. Transmission of hepatitis C virus infection among younger and older people who inject drugs in Vancouver, Canada. *Journal of Hepatology*. 2016;64(6):1247-1255.
- 39) **Marshall BDL**, Green TC, Yedinak JL, Hadland SE. Harm reduction for young people who use prescription opioids extra-medically: Obstacles and opportunities. *International Journal of Drug Policy*. 2016;31:25-31.
- 40) Justice AC, McGinnis KA, Tate JP, Braithwaite RS, Bryant KJ, Cook RL, Edelman EJ, Fiellin LE, Freiberg MS, Gordon AJ, Kraemer KL, **Marshall BDL**, Williams EC, Fiellin DA. Risk of mortality and physiologic injury evidence at lower alcohol exposure among HIV-infected compared with uninfected men. *Drug and Alcohol Dependence*. 2016;161:95-103.
- 41) Monteiro JFG, Escudero D, Weinreb C, Flanigan TP, Galea S, Friedman SR, **Marshall BDL**. Understanding the effects of different HIV transmission models in individual-based microsimulation of HIV epidemic dynamics among people who inject drugs. *Epidemiology & Infection*. 2016;144(8):1683-1700.
- 42) Lan CW, Fiellin DA, Barry DT, Bryant KJ, Gordon AJ, Edelman EJ, Gaither JR, Maisto SA, **Marshall BDL**. The epidemiology of substance use disorders in US veterans: A systematic review. *The American Journal on Addictions*. 2016;25(1):7-24.

- 43) **Marshall BDL**, Brumer-Perez AG, MacCarthy S, Mena L, Chan PA, Towey C, Barnett N, Parker S, Barnes A, Brinkley-Rubinstein L, Rose JS, Nunn AS. Individual and partner-level factors associated with condom non-use among African American STI clinic attendees in the Deep South: An event-level analysis. *AIDS and Behavior*. 2016;20(6):1334-1342.
- 44) **Marshall BDL**, Elston B, Dobrer S, Parashar S, Hogg RS, Montaner JSG, Kerr T, Wood E, Milloy MJ. The population impact of eliminating homelessness on HIV viral suppression among people who use drugs: An observational study. *AIDS*. 2016;30(6):933-941.
- 45) **Marshall BDL**, Socías ME, Kerr T, Zalazar V, Sued O, Arístegui I. Prevalence of correlates of lifetime suicide attempts among transgender women in Argentina. *Journal of Homosexuality*. 2016;63(7):955-967.
- 46) Bennett B, **Marshall BDL**, Gjelsvik A, McGarvey ST, Lurie MN. HIV incidence prior to, during, and after violent conflict in 36 sub-Saharan African nations, 1992-2012: An ecological study. *PLoS ONE*. 2015;10(11):e0142343.
- 47) Chan PA, Rose J, Maher J, Benben S, Pfeiffer K, Almonte A, Poceta J, Oldenburg CE, Parker S, **Marshall BDL**, Lally M, Mayer K, Mena L, Patel R, Nunn AS. A latent class analysis of risk factors for acquiring HIV among men who have sex with men: Implications for implementing pre-exposure prophylaxis programs. *AIDS Patient Care and STDs*. 2015;29(11):597-605.
- 48) Hadland SE, Wood E, Dong H, **Marshall BDL**, Kerr T, Montaner JSG, DeBeck K. Suicide attempts and childhood maltreatment among street youth: A prospective cohort study. *Pediatrics*. 2015;136(3):440-449.
- 49) Operario D, Gamarel KE, Grin BM, Lee JH, Kahler CW, **Marshall BDL**, van den Berg JJ, Zaller ND. Sexual minority health disparities in adult men and women in the United States: National Health and Nutrition Examination Survey 2001-2010. *American Journal of Public Health*. 2015;105(10):e27-e34.
- 50) Fink DS, Hu R, Cerdá M, Keyes KM, **Marshall BDL**, Galea S, Martins SS. Patterns of major depression and nonmedical use of prescription opioids in the United States. *Drug and Alcohol Dependence* 2015;153:258-264.
- 51) Cerdá M, Santaella J, **Marshall BDL**, Kim JH, Martins SS. Nonmedical prescription opioid use in childhood and early adolescence predicts transitions to heroin use in young adulthood: A national study. *Journal of Pediatrics*. 2015;167(3):605-612.
- 52) Cunningham E, Jacka B, DeBeck K, Applegate TA, Harrigan PR, Kraiden M, **Marshall BDL**, Montaner JSG, Lima VD, Olmstead A, Milloy MJ, Wood E, Grebely J. Methamphetamine injecting is associated with phylogenetic clustering of hepatitis C virus infection among

- street-involved youth in Vancouver, Canada. *Drug and Alcohol Dependence*. 2015;152(1):272-276.
- 53) Martins SS, Santaella-Tenorio J, **Marshall BDL**, Maldonado A, Cerdá M. Racial/ethnic differences in trends in heroin use and heroin-related risk behaviors among nonmedical prescription opioid users. *Drug and Alcohol Dependence*. 2015;151(1):278-283.
- 54) Kennedy MC, **Marshall BDL**, Hayashi K, Nguyen P, Wood E, Kerr T. Heavy alcohol use and suicidal behavior among people who use illicit drugs: A cohort study. *Drug and Alcohol Dependence*. 2015;151(1):272-277.
- 55) Lee JH, Gamarel KE, Kahler CW, **Marshall BDL**, van den Berg JJ, Bryant K, Zaller ND, Operario D. Co-occurring psychiatric and drug use disorders among sexual minority men with lifetime alcohol use disorders. *Drug and Alcohol Dependence*. 2015;151(1):167-172.
- 56) Escudero DJ, Kerr T, Wood E, Nguyen P, Lurie MN, Sued O, **Marshall BDL**. Acceptability of HIV pre-exposure prophylaxis (PrEP) among people who inject drugs (PWID) in a Canadian setting. *AIDS and Behavior*. 2015;19(5):752-757.
- 57) Monteiro JFG, Galea S, Flanigan TP, Monteiro ML, Friedman SR, **Marshall BDL**. Evaluating HIV prevention strategies for populations with concentrated, over-lapping HIV epidemics in key affected groups: The example of Cabo Verde. *International Journal of Public Health*. 2015;60(4):457-466.
- 58) Milloy MJ, **Marshall BDL**, Kerr T, Richardson L, Hogg RS, Guillemi S, Montaner JSG, Wood E. High-intensity cannabis use associated with lower plasma HIV-1 RNA viral load among recently-infected people who use injection drugs. *Drug and Alcohol Review*. 2015;34(2):135-140.
- 59) **Marshall BDL**, Operario D, Bryant KJ, Cook RL, Edelman EJ, Gaither JR, Gordon AJ, Kahler CW, Maisto SA, McGinnis KA, van den Berg JJ, Zaller ND, Justice AC, Fiellin DA. Drinking trajectories among HIV-infected men who have sex with men: A cohort study of United States veterans. *Drug and Alcohol Dependence*. 2015;148(1):69-76.
- 60) **Marshall BDL**, Shoveller JA, Kahler CW, Koblin BA, Mayer KH, Mimiaga MJ, van den Berg JJ, Zaller ND, Operario D. Heavy drinking trajectories among men who have sex with men: A longitudinal, group-based analysis. *Alcoholism: Clinical and Experimental Research*. 2015;39(2):380-389.
- 61) **Marshall BDL**, Galea S. Formalizing the role of agent-based modeling in causal inference and epidemiology. *American Journal of Epidemiology*. 2015;181(2):92-99.
- 62) Escudero DJ, Kerr T, Operario D, Socías ME, Sued O, **Marshall BDL**. Inclusion of transgender persons in pre-exposure prophylaxis (PrEP) trials: A review. *AIDS Care*. 2015;27(5):637-641.

- 63) Lee WK, Ti L, **Marshall BDL**, Dong H, Wood E, Kerr T. Childhood sexual abuse and syringe sharing among people who inject drugs. *AIDS and Behavior*. 2015;19(8):1415-1422.
- 64) **Marshall BDL**, DeBeck K, Simo A, Kerr T, Wood E. Gang involvement among street-involved youth in a Canadian setting: A gender-based analysis. *Public Health*. 2015;129(1):74-77.
- 65) Monteiro JFG, **Marshall BDL**, Escudero DJ, Sosa-Rubí SG, González A, Flanigan T, Operario D, Mayer KH, Lurie MN, Galárraga O. Preventing transmission to partners of HIV-positive male sex workers in Mexico City: A modeling study. *AIDS and Behavior*. 2015;19(9):1579-1588.
- 66) Kinnard EN, Howe CJ, Kerr T, Hass VS, **Marshall BDL**. Self-reported changes in drug use behaviors and syringe disposal methods following the opening of a supervised injecting facility in Copenhagen Denmark. *Harm Reduction Journal*. 2014;11(1):29.
- 67) Socías ME, **Marshall BDL**, Arístegui I, Romero M, Cahn P, Kerr T, Sued O. Factors associated with healthcare avoidance among transgender women in Argentina. *International Journal for Equity in Health*. 2014;13(1):81.
- 68) Jacka B, Applegate T, Kraijden M, Olmstead A, Harrigan PR, **Marshall BDL**, DeBeck K, Milloy MJ, Lamoury F, Pybus OG, Lima VD, Magiorkinis G, Montoya V, Montaner JSG, Joy J, Woods C, Dobrer S, Dore GJ, Poon AF, Grebely J. Phylogenetic clustering of hepatitis C virus among people who inject drugs in Vancouver, Canada. *Hepatology*. 2014;60(5):1571-1580.
- 69) Socías ME, **Marshall BDL**, Arístegui I, Zalazar V, Romero M, Sued O, Kerr T. Towards full citizenship: correlates of engagement with the Gender Identity Law among transwomen in Argentina. *PLoS ONE*. 2014;9(8):e105402.
- 70) Sahlu I, Howe CJ, Clark MA, **Marshall BDL**. HIV status, knowledge of mother-to-child transmission of HIV and antenatal care use among Ethiopian women. *Journal of Epidemiology and Global Health*. 2014;4(3):177-184.
- 71) Kinnard EN, Taylor LE, Galárraga O, **Marshall BDL**. Estimating the true prevalence of hepatitis C in Rhode Island. *Rhode Island Medical Journal*. 2014;96(7):19-24.
- 72) Grebely J, Lima VD, **Marshall BDL**, Milloy MJ, DeBeck K, Montaner JSG, Simo A, Kraijden M, Dore GJ, Kerr T, Wood E. Declining incidence of hepatitis C virus infection among people who inject drugs in a Canadian setting, 1996-2012. *PLoS ONE*. 2014;9(6):e97726.
- 73) Escudero DJ, Lurie MN, Kerr T, Howe CJ, **Marshall BDL**. HIV pre-exposure prophylaxis for people who inject drugs: A systematic review and agenda for future research. *Journal of the International AIDS Society*. 2014;17:18899.

- 74) **Marshall BDL**, Friedman SR, Monteiro JFG, Paczkowski MM, Tempalski B, Pouget ER, Lurie MN, Galea S. Prevention and treatment produced large decreases in HIV incidence in a model of people who inject drugs. *Health Affairs*. 2014;33(3):401-409.
- 75) Anema A, **Marshall BDL**, Stevenson B, Gurm J, Montaner G, Small W, Roth EA, Lima VD, Montaner JSG, Moore D, Hogg RS. Intergenerational sex as a risk factor for HIV among young men who have sex with men: A scoping review. *Current HIV/AIDS Reports*. 2013;10(4):398-407.
- 76) DeBeck K, Kerr T, **Marshall BDL**, Simo A, Montaner JSG, Wood E. Risk factors for progression to regular injection drug use among street-involved youth in a Canadian setting. *Drug and Alcohol Dependence*. 2013;133(2):468-472.
- 77) **Marshall BDL**, Galea S, Wood E, Kerr T. Longitudinal associations between types of childhood trauma and suicidal behavior: A cohort study. *American Journal of Public Health*. 2013;103(9):e69-e75.
- 78) **Marshall BDL**, Prescott MR, Liberzon I, Tamburrino MB, Calabrese JR, Galea S. Posttraumatic stress disorder, depression, and HIV risk behavior among Army National Guard soldiers. *Journal of Traumatic Stress*. 2013;26(1):64-70.
- 79) Milloy MJ, **Marshall BDL**, Montaner JSG, Wood E. Housing status and the health of people living with HIV/AIDS. *Current HIV/AIDS Reports*. 2012;9(4):364-374.
- 80) **Marshall BDL**, Paczkowski MM, Seemann L, Tempalski B, Pouget ER, Galea S, Friedman SR. A complex systems approach to evaluate HIV prevention in metropolitan areas: Preliminary implications for combination intervention strategies. *PLoS ONE*. 2012;7(9):e44833.
- 81) Nosyk B, **Marshall BDL**, Fischer B, Montaner JSG, Wood E, Kerr T. Increases in the availability of prescribed opioids in a Canadian setting. *Drug and Alcohol Dependence*. 2012;126(1-2):7-12.
- 82) Hadland SE, Kerr T, **Marshall BDL**, Lai C, Montaner JSG, Wood E. Ready access to illicit drugs among youth and adult users. *The American Journal on Addictions*. 2012;21(5):488-490.
- 83) **Marshall BDL**, Prescott MR, Liberzon I, Tamburrino MB, Calabrese JR, Galea S. Coincident posttraumatic stress disorder and depression predict alcohol abuse during and after deployment among Army National Guard soldiers. *Drug and Alcohol Dependence*. 2012;124(3):193-199.
- 84) Kerr T, **Marshall BDL**, Milloy MJ, Zhang R, Guillemi S, Montaner JSG, Wood E. Patterns of heroin and cocaine injection and plasma HIV-1 RNA suppression among a long-term cohort of injection drug users. *Drug and Alcohol Dependence*. 2012;124(1-2):108-112.

- 85) Milloy MJ, **Marshall BDL**, Kerr T, Buxton JA, Rhodes T, Montaner JSG, Wood E. Social and structural factors associated with HIV disease progression among illicit drug users: A systematic review. *AIDS*. 2012;26(9):1049-1063.
- 86) **Marshall BDL**, Milloy MJ, Wood E, Galea S, Kerr T. Temporal and geographic shifts in urban and nonurban cocaine-related fatal overdoses in British Columbia, Canada. *Annals of Epidemiology*. 2012;22(3):198-206.
- 87) Hadland SE, **Marshall BDL**, Kerr T, Qi J, Montaner JSG, Wood E. Suicide and history of childhood trauma among street youth. *Journal of Affective Disorders*. 2012;136(3):377-380.
- 88) **Marshall BDL**, Grafstein E, Buxton JA, Qi J, Wood E, Shoveller JA, Kerr T. Frequent methamphetamine injection predicts emergency department utilization among street-involved youth. *Public Health*. 2012;126(1):47-53.
- 89) Johnston CL, **Marshall BDL**, Qi J, Zonneveld CJ, Kerr T, Montaner JSG, Wood E. HIV knowledge and perceptions of risk in a young, urban drug-using population. *Public Health*. 2011;125(11):791-794.
- 90) **Marshall BDL**, Galea S, Wood E, Kerr T. Injection methamphetamine use is associated with an increased risk of attempted suicide: A prospective cohort study. *Drug and Alcohol Dependence*. 2011;119(1-2):134-137.
- 91) **Marshall BDL**, Shoveller JA, Wood E, Patterson TL, Kerr T. Difficulty accessing syringes mediates the relationship between methamphetamine use and syringe sharing among young injection drug users. *AIDS and Behavior*. 2011;15(7):1546-1553.
- 92) Hadland SE, **Marshall BDL**, Kerr T, Zhang R, Montaner JSG, Wood E. A comparison of drug use and risk behavior profiles among younger and older street youth. *Substance Use & Misuse*. 2011;46(12):1486-1494.
- 93) **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. *Prevention Science*. 2011;12(2):173-180.
- 94) Hadland SE, **Marshall BDL**, Kerr T, Qi J, Montaner JSG, Wood E. Depressive symptoms and patterns of drug use among street youth. *Journal of Adolescent Health*. 2011;48(6):585-590.
- 95) **Marshall BDL**, Milloy MJ, Wood E, Montaner JSG, Kerr T. Reduction in overdose mortality after the opening of North America's first medically supervised safer injecting facility. *The Lancet*. 2011;377(9775):1429-1437.
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C. COMMENTARIES & EDITORIALS

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D. WORK UNDER REVIEW

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- 135) Bouvier BA, Waye KM, Elston B, Hadland SE, Green TC, **Marshall BDL**. Prevalence and correlates of benzodiazepine use and misuse among young adults who use prescription opioids non-medically. Submitted to *Drug and Alcohol Dependence*.
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- 146) Fernandez CA, Koenen KC, Vicente B, Saldivia S, Kohn R, **Marshall BDL**, Arheardt KL, Buka SL. Longitudinal association between psychiatric comorbidities and post-disaster PTSD among a cohort of Chilean disaster survivors. Submitted to *Depression and Anxiety*.
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E. ABSTRACTS (SELECTED)

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- 2) Soipe AI, Razavi H, Razavi-Shearer D, Galárraga O, Taylor LE, **Marshall BDL**. Chronic hepatitis C virus (HCV) burden in Rhode Island: Modelling treatment scale-up and elimination. 6th International Symposium on Hepatitis C in Substance Users (INHSU 2017). Jersey City, NJ. Sept 6-8, 2017. Abstract no. 118.
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- 25) Shangani S, Escudero DE, Kirwa K, Harrison A, **Marshall BDL**, Operario D. Peer-led interventions to increase HIV testing among men who have sex with men: A systematic review. APHA 2016 Annual Meeting & Expo. Oct 29 – Nov 2, 2016. Abstract no. 359240.
- 26) Ganley KY, Zullo AR, Sosa-Rubí SG, Conde-Glez CJ, Lurie MN, **Marshall BDL**, Operario D, Mayer KH, Galárraga O. Incidence and Time-Varying Predictors of HIV and Sexually Transmitted Infections (STIs) Among Male Sex Workers in Mexico City. International AIDS Conference (AIDS 2016), Durban, South Africa. Jul 18-22, 2016. Abstract no. TUPEC176.
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- 29) **Marshall BDL**, King M, Macmadu A, Brinkley-Rubinstein L, Sanchez J, Beckwith CG, Altice FL, Rich JD. The effect of incarceration on HIV care continuum outcomes in the United States: An agent-based modeling approach. 2016 Epidemiology Congress of the Americas, Jun 21-24, 2016. Miami, FL.
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- 35) Richardson L, Milloy MJ, Wood E, Maynard R, **Marshall BDL**, Montaner J, Kerr T. Drug-related harm associated with synchronized government income assistance cheque issue: A structural trial of alternative approaches to improve population health outcomes. Canadian Institutes of Health Research Sparking Public Health Solutions Summit, Ottawa, ON. April 26th, 2016.

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- 37) Soipe A, Razavi H, Razavi-Shearer D, Galárraga O, Taylor LE, **Marshall BDL**. Chronic hepatitis C virus (HCV) burden in Rhode Island: Modelling treatment scale-up and elimination. 5th International Conference on Viral Hepatitis (ICVH 2016). Mar 14-15, 2016. Abstract no. 19.
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- 40) Manning D, Lee JH, van den Berg JJ, Zaller ND, **Marshall BDL**, Kahler CW, Operario D. Gender-specific sexual minority disparities in sexually transmitted illness, substance use, and mental health outcomes among adults in the United States. APHA Annual Meeting and Exposition, Chicago, IL. Oct 31 – Nov 4, 2015. Abstract no. 335450.
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- 44) Socías ME, Kerr T, **Marshall BDL**, Arístegui I, Frola C, Cahn P, Sued O. Prevalence and correlates of injection of industrial silicone among transgender women in Argentina. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention (IAS 2015). Vancouver, Canada, July 19-22, 2015. Abstract no. TUPEC567.

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initiating antiretroviral therapy? Society of General Internal Medicine 38th Annual Meeting, Toronto, ON. April 22-25, 2015. Abstract no. 2199293.

- 54) Jacka B, Poon AF, Applegate T, Krajden M, Olmstead A, Harrigan PR, **Marshall BDL**, DeBeck K, Milloy MJ, Lamoury F, Pybus O, Lima VD, Magiorkinis G, Montoya V, Montaner JSG, Joy J, Dore GJ, Kerr T, Wood E, Grebely J. Hepatitis C virus network dynamics among people who inject drugs in Vancouver, Canada. Canada. 4th Canadian Symposium on Hepatitis C, Banff, AB. Feb 27th, 2015. Abstract no. EPH005.
- 55) Cunningham E, Jacka B, DeBeck K, Applegate TA, Harrigan PR, Krajden M, **Marshall BDL**, Montaner JSG, Pybus O, Lima VD, Olmstead A, Milloy MJ, Wood E, Grebely J. Methamphetamine injecting is associated with phylogenetic clustering of hepatitis C virus infection among street-involved youth in Vancouver, Canada. 4th Canadian Symposium on Hepatitis C, Banff, AB. Feb 27th, 2015. Abstract no. EPH004.
- 56) Escudero DJ, Weinreb C, Lurie M, Galea S, Friedman SR, **Marshall BDL**. Acute HIV infection transmission among people who inject drugs in an established epidemic setting. Conference on Retroviruses and Opportunistic Infections (CROI) 2015, Seattle, WA. Feb 23-26, 2015. Abstract no. 1116.
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- 60) Kinnard EN, Howe CH, Kerr T, Marshall BDL. An evaluation of syringe disposal methods and drug use behavior change following the opening of a supervised injecting facility in Copenhagen, Denmark. 10th National Harm Reduction Conference, Baltimore, MD. Oct 23-26, 2014.
- 61) Grebely J, Lima VD, **Marshall BDL**, Milloy MJ, DeBeck K, Montaner JSG, Simo A, Krajden M, Dore GJ, Kerr T, Wood E. Declining incidence of hepatitis C virus infection among people who inject drugs in a Canadian setting. 9th Australasian Viral Hepatitis Conference, Alice Springs, Australia. Sep 17-19, 2014.
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Methamphetamine injecting is associated with phylogenetic clustering of hepatitis C virus infection among street-involved youth in Vancouver, Canada. 9th Australasian Viral Hepatitis Conference, Alice Springs, Australia. Sep 17-19, 2014. Abstract no. 150.

- 63) Jacka B, Applegate TA, Kraiden M, Olmstead A, Harrigan R, **Marshall BDL**, DeBeck K, Milloy MJ, Lamoury F, Pybus O, Lima VD, Magiorkinis G, Montoya V, Montaner JSG, Joy J, Woods C, Dobrer S, Dore GJ, Poon AF, Grebely J. Phylogenetic clustering of hepatitis C virus among people who inject drugs in Vancouver, Canada. 9th Australasian Viral Hepatitis Conference, Alice Springs, Australia. Sep 17-19, 2014.
- 64) Jacka B, Applegate TA, Kraiden M, Olmstead A, Harrigan R, **Marshall BDL**, DeBeck K, Milloy MJ, Lamoury F, Pybus O, Lima VD, Magiorkinis G, Montoya V, Montaner JSG, Joy J, Woods C, Dobrer S, Dore GJ, Poon AF, Grebely J. Molecular epidemiology of hepatitis C virus infections among people who inject drugs in Vancouver, Canada. 21st International Symposium on Hepatitis C Virus and Related Viruses, Banff, AB. Sep 7-11, 2014. Abstract no. O9.03.
- 65) Martins SS, Santaella J, **Marshall BDL**, Maldonado A, Cerdá M. Trends in racial/ethnic differences in heroin use and heroin risk behaviors among nonmedical users of prescription opioids from 2002 to 2011. *Drug and Alcohol Dependence*. 2015;146:e195.
- 66) **Marshall BDL**, Cook RL, Crystal S, Edelman EJ, Fiellin DA, Gaither JR, Kahler CW, Maisto SA, Operario D, Van den Berg JJ, Justice AC. Unhealthy alcohol use among HIV-infected men who have sex with men: A cohort study of U.S. Veterans. *Alcoholism: Clinical & Experimental Research*. 2014;38(Suppl 1):63A.
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- 68) Forrest JL, Cui Z, Sereda P, Rich A, Roth EA, Patterson TP, Hogg RS, Moore D, **Marshall BDL**. Factors associated with HAART optimism among men who have sex with men in the era of expanded access to antiretroviral therapy in Vancouver, Canada. 20th International AIDS Conference, Melbourne, Australia. Jul 20-25, 2014. Abstract no. MOPE118.
- 69) Escudero DJ, Kerr T, Operario D, Socías ME, Sued O, **Marshall BDL**. Inclusion of transgender persons in pre-exposure prophylaxis (PrEP) research: A review. 20th International AIDS Conference, Melbourne, Australia. Jul 20-25, 2014. Abstract no. LBPE24.
- 70) Escudero DJ, Kerr T, Wood E, Nguyen P, Lurie M, **Marshall BDL**. Acceptability of HIV pre-exposure prophylaxis (PrEP) among people who inject drugs (PWID) in Vancouver, Canada. 20th International AIDS Conference, Melbourne, Australia. Jul 20-25, 2014. Abstract no. THPE091.

- 71) Santaella J, Martins SS, **Marshall BDL**, Cerdá M. Prior nonmedical use of prescription opioids and onset of heroin use among adolescents and young adults. 47th Annual Society for Epidemiologic Research Meeting, Seattle, WA. Jun 24-27, 2014. Abstract no. 00006713.
- 72) **Marshall BDL**, Kahler C, Shoveller JA, Mayer KH, Zaller N, van den Berg JJ, Operario D. Heavy drinking patterns among HIV negative men who have sex with men: A group-based trajectory modeling analysis. 47th Annual Society for Epidemiologic Research Meeting, Seattle, WA. Jun 24-27, 2014. Abstract no. 00006026.
- 73) **Marshall BDL**, Edelman EJ, Fiellin DA, Gaither JR, Kahler CW, Maisto SA, Operario D, Van den berg JJ, Justice AC. Unhealthy alcohol use among HIV-infected men who have sex with men: A cohort study of U.S. Veterans. 47th Annual Society for Epidemiologic Research Meeting, Seattle, WA. Jun 24-27, 2014. Abstract no. 00006027.
- 74) Jacka B, Applegate T, Poon AF, Harrigan R, Dore GJ, Olmstead A, DeBeck K, Milloy MJ, Lamoury F, Woods C, Brumme Z, Dobrer S, Dias Lima V, Montaner J, Joy J, **Marshall BDL**, Kerr T, Wood E, Krajden M, Grebely J. Temporal changes in hepatitis C virus genotype 3a distribution among people who inject drugs in Vancouver, Canada. *Journal of Hepatology*. 2014;60(Suppl 1):S324-S325.
- 75) Forrest JI, Cui Z, Sereda P, Rich A, Roth EA, Patterson TP, Hogg RS, Moore D, **Marshall BDL**. Factors associated with HAART optimism among men who have sex with men in the era of expanded access to antiretroviral therapy in Vancouver, Canada. 23rd Annual Canadian Conference on HIV/AIDS Research, St. John's, NF. May 1-4, 2014. Abstract no. P173.
- 76) Monteiro JFG, Galea S, Paczkowski MM, Flanigan TP, Friedman SR, **Marshall BDL**. Examining HIV transmission and evaluating HIV prevention strategies in Cape Verde: An agent-based model. *Epidemics*⁴ – Fourth International Conference on Infectious Disease Dynamics. Amsterdam, NL. Nov 19-22, 2013. Abstract no. P2.084.
- 77) **Marshall BDL**, Galea S. Formalizing the role of complex systems approaches in causal inference and epidemiology. American Public Health Association 141st Annual Meeting and Expo, Boston, MA. Nov 2-6, 2013. Abstract no. 282717.
- 78) **Marshall BDL**, DeBeck K, Simo A, Kerr T, Wood E. Early life and social factors associated with gang involvement among street-involved youth: A gender-based analysis. American Public Health Association 141st Annual Meeting and Expo, Boston, MA. Nov 2-6, 2013. Abstract no. 282657.
- 79) Grin B, Operario D, Kahler C, **Marshall BDL**, van den Berg J, Zaller N. A systematic review of interventions to reduce alcohol use in men who have sex with men. American Public Health Association 141st Annual Meeting and Expo, Boston, MA. Nov 2-6, 2013. Abstract no. 286120.

- 80) Escudero DJ, Howe CJ, Lurie MN, **Marshall BDL**. A systematic review of HIV pre-exposure prophylaxis (PrEP) among injection drug users. *Controlling the Epidemic with Antiretrovirals: From Consensus to Implementation*. London, UK. Sep 22-24, 2013. Abstract no. 63.
- 81) Milloy MJ, **Marshall BDL**, Kerr T, Guillemi S, Hogg RS, Montaner JSG. Cannabis use associated with lower plasma HIV-1 RNA viral load among recently infected intravenous drug users. The 23rd Annual Symposium of the International Cannabinoid Research Society, Vancouver, Canada. Jun 21-26, 2013. Abstract no. P2-9.
- 82) **Marshall BDL**, Galea S. Formalizing the role of complex systems approaches in causal inference and epidemiology. *American Journal of Epidemiology*. 2013;177(Suppl 11):S18.
- 83) **Marshall BDL**, DeBeck K, Simo A, Kerr T, Wood E. Early life and social factors associated with gang involvement among street-involved youth: A gender-based analysis. *American Journal of Epidemiology*. 2013;177(Suppl 11):S36.
- 84) **Marshall BDL**, Paczkowski MM, Seemann L, Tempalski B, Pouget ER, Galea S, Friedman SR. A complex systems approach to evaluate HIV prevention in metropolitan areas: Preliminary implications for combination intervention strategies. XIX International AIDS Conference, Washington, DC. Jul 22-27, 2012. Abstract no. WEPDC0206.
- 85) DeBeck K, Kerr T, **Marshall BDL**, Simo A, Montaner JSG, Wood E. Risk factors for progression to regular injection drug use among street-involved youth in a Canadian setting. XIX International AIDS Conference, Washington, DC. Jul 22-27, 2012. Abstract no. THPE165.
- 86) **Marshall BDL**, Paczkowski MM, Tempalski B, Pouget ER, Friedman SR, Galea S. Combination interventions for the prevention of HIV among injection drug users: A complex systems dynamic model. XIX International AIDS Conference, Washington, DC. Jul 22-27, 2012. Abstract no. FRLBC05.
- 87) **Marshall BDL**, Galea S, Wood E, Kerr T. Longitudinal associations between types of childhood trauma and suicidal behavior in a prospective cohort study. *American Journal of Epidemiology*. 2012;175(Suppl 11):S130.
- 88) **Marshall BDL**, Prescott MR, Liberzon I, Tamburrino MB, Calabrese JR, Galea S. Posttraumatic stress disorder and HIV risk behavior among Army National Guard soldiers: The mediating role of depression. *American Journal of Epidemiology*. 2012;175(Suppl 11):S11.
- 89) **Marshall BDL**, Prescott MR, Calabrese J, Tamburrino MB, Liberzon I, Galea S. Mental health disorders increase the risk of during and post-deployment alcohol abuse among Ohio Army National Guards. International Society for Traumatic Stress Studies 27th Annual Meeting, Baltimore, MA. Nov. 3-5, 2011. Abstract no. T210.

- 90) Vasarhelyi K, Small W, **Marshall BDL**, Ramadanovic B, Rutherford AR, Cescon A, Michelow W, Ahrenberg L, Montaner JSG. Balancing simplicity and complexity: A conceptual framework for a mathematical network model investigating HIV prevention among injection drug users in Vancouver, Canada. 6th IAS Conference on HIV Pathogenesis, Treatment, and Prevention, Rome, Italy. July 17-20, 2011. Abstract no. CDC199.
- 91) **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.
- 92) **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.
- 93) 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.
- 94) 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.
- 95) **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.
- 96) 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.
- 97) **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.
- 98) **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.
- 99) 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.

- 100) 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.
- 101) 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.
- 102) 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.
- 103) **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.
- 104) **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.
- 105) 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.
- 106) **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.
- 107) **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.
- 108) **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.
- 109) **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.

- 110) **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.
- 111) 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.
- 112) 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.
- 113) **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.
- 114) **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.
- 115) **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.
- 116) 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.
- 117) 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

- 118) Gantenberg J, King M, Montgomery MC, Galárraga O, Prospero M, **Marshall BDL**, Chan PA. Improving statewide pre-exposure prophylaxis implementation among MSM. Conference on Retroviruses and Opportunistic Infections (CROI) 2018. Boston, MA. Mar 4-7, 2108. Abstract no. 632.

- 119) **Marshall BDL**, Goedel WC, King M, Durham DP, Chan PA, Townsend JA, Galvani AP. Potential effectiveness of long-acting injectable PrEP in MSM: A modeling study. Conference on Retroviruses and Opportunistic Infections (CROI) 2018. Boston, MA. Mar 4-7, 2108. Abstract no. 2663.
- 120) Nosyk B, Min J, Zang X, Feaster D, Metsch LR, **Marshall BDL**, del Rio C, Granich R, Schackman B, Montaner JSG. Evaluating interventions for HIV treatment and prevention: Time to embrace a quality-adjusted life year (QALY) based approach. APHA 2017 Annual Meeting & Expo. Atlanta, GA. Nov 4-8, 2017. Abstract no. 388133.
- 121) Hirschtritt ME, **Marshall BDL**, Dauria E, Tolou-Shams M. Mental health of sexual minority justice youth. American Academy of Psychiatry and the Law 48th Annual Meeting. Denver, CO. Oct 26-29. 2017. Abstract no. 5003.

G. GUEST LECTURES

- 1) **Marshall BDL**. "Outbreak investigations". Brown University PHP0850 (Fundamental of Epidemiology). Sept 19th, 2017.
- 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 21, 2017.
- 3) **Marshall BDL**. "Epidemiology of HIV/AIDS and infectious diseases: Social inequalities." Brown University PHP 0320 (Introduction to Public Health). Nov 7, 2016.
- 4) **Marshall BDL**. "Outbreak Investigations". Brown University PHP0850 (Fundamentals of Epidemiology). Sept 20, 2016.
- 5) **Marshall BDL**. "Agent-Based Modeling". Brown University PHP2630 (Statistical Foundations of Data Science). Apr 28, 2016.
- 6) Loucks E, **Marshall BDL**. "Communicating Epidemiologic Research". Brown University PHP2180 (Interpreting Epidemiologic Evidence). Apr 27, 2016.
- 7) **Marshall BDL**. "Epidemiology of HIV/AIDS and infectious diseases: Mapping onto social inequalities". Brown University PHP 0320 (Introduction to Public Health). Oct 19, 2015.
- 8) **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.

- 9) **Marshall BDL**. "Outbreak Investigations". Brown University PHP 0850 (Fundamentals of Epidemiology). Sept 22, 2015.
- 10) **Marshall BDL**. "Introduction to Directed Acyclic Graphs (DAGs)". Brown University PHP 2150 (Foundations in Epidemiology Research). Oct 16, 2014.
- 11) **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.
- 12) **Marshall BDL**. "Outbreak Investigations". Brown University PHP 0850 (Fundamentals of Epidemiology). Sept 18, 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 3, 2013.
- 14) **Marshall BDL**. "HIV in most at-risk populations (MARPs)". Brown University PHP 1070 (Global Burden of Disease). Nov 7, 2012.
- 15) **Marshall BDL**. "The social determinants of drug use". Brown University PHP 1920 (Social Determinants of Health). Oct 2, 2012.
- 16) **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.
- 17) **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.
- 18) 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.
- 19) **Marshall BDL**. "Epidemiology is for everyone: Understanding public health research". Mexico YouthForce AIDS 2008 Pre-Conference, Mexico City, Mexico. Aug. 1, 2008.
- 20) **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**, Dimitri DM. "Safe Injection Facilities: The What, Why, and How?" Massachusetts Medical Society Suffolk District Fall Meeting. Boston, MA. October 4th, 2017.
- 2) **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.
- 3) **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.
- 4) **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.
- 5) **Marshall BDL**. "Predictors and consequences of long-term substance use trajectories". Southern HIV & Alcohol Research Consortium (SHARC) Research Seminar. Gainesville, FA. July 24th, 2017.
- 6) **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.
- 7) **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.
- 8) **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.
- 9) **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.
- 10) **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.

- 11) **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.
- 12) **Marshall BDL**. “Using Microsimulation to Inform HIV Prevention and Treatment Strategies that Reduce Disparities and Maximize Impact”. Center for Drug Use and HIV/HCV Research Monthly Seminar. New York, NY. January 10th, 2017.
- 13) **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.
- 14) **Marshall BDL**. “Patterns, Predictors, and Consequences of Non-Medical Prescription Opioid Use in the VACS”. VACS-COMpAAAS Scientific Meeting. Washington, DC. Dec 12th, 2016.
- 15) **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.
- 16) **Marshall BDL**. “Rhode Island’s Drug Overdose Dashboard”. Rhode Island Department of Health Academic Working Group. Providence, RI. June 27th, 2016.
- 17) **Marshall BDL**. Epidemiology as a Moral Science. 2016 Epidemiology Congress of the Americas. Miami, FL. June 23rd, 2016.
- 18) 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.
- 19) 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.
- 20) 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.
- 21) **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.
- 22) **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.

- 23) **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.
- 122) **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.
- 24) **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.
- 25) **Marshall BDL**. "Contextualizing complexity: When are systems science methods constructive?" Society for Epidemiologic Research 2015 Annual Meeting, Denver, CO. Jun 19th, 2015.
- 26) **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.
- 27) **Marshall BDL**. "Agent-based modeling to examine combination HIV prevention programs for drug-using populations". 2014 National CFAR Symposium, Providence, RI. Nov 6th, 2014.
- 28) **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.
- 29) **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.
- 30) **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.
- 31) **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.
- 32) **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.

- 33) **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.
- 34) **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.
- 35) **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.
- 36) **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.
- 37) **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.
- 38) **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.
- 39) **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.
- 40) **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.
- 41) **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.
- 42) **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.
- 43) **Marshall BDL**. “High prevalence of HIV infection among homeless and street-involved Aboriginal youth”. Canadian Student Health Research Forum, Winnipeg, MB. June 3, 2009.

- 44) **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.
- 45) **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.
- 46) **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.
- 47) **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.
- 48) **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.
- 49) **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

- 50) **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.
- 51) 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.
- 52) 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.
- 53) **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.
- 54) **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.

- 55) **Marshall BDL**, Green TC. "Emerging trends in Rhode Island: Youth & Fentanyl". Rhode Island Drug Overdose Prevention and Rescue Coalition. Pawtucket, RI. March 16th, 2016.
- 56) **Marshall BDL**. "Rhode Island's Drug Overdose Dashboard". Rhode Island Governor's Overdose Prevention and Intervention Task Force. Providence, RI. March 9th, 2016.
- 57) **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.
- 58) **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.
- 59) **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**. "To combat overdoses, legalize pot." *The Providence Journal*, March 5, 2016: p. A13.
- 2) **Marshall, BDL**. "Injection site saves money – and lives." *Calgary Sun*, May 1, 2011: p. 20.

7. RESEARCH GRANTS

A. GRANTS CURRENTLY HELD

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 – Feb 28, 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.

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, 2018

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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 – Jun 30, 2018

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.

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.

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 – June 30, 2018

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.

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.

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.

B. COMPLETED GRANTS

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 SUBMITTED

ED-based Behavioral Interventions Following Opioid Overdose: The Impact of Peer Navigation on Treatment Engagement, Relapse, and Recovery (The Navigator Trial)

Role on Project: co-Principal Investigator

Funder: National Institutes of Health (National Center for Complementary/Integrative Health)

Project Period: March 1, 2018 – February 28, 2022

Project Identifier: R21-AT009933

Total Requested: \$2,370,559

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.

Prenatal Opioid Exposure and Neonatal Health Impairment

Role on Project: Co-Investigator

Funder: National Institutes of Health

Project Period: Sept 1, 2017 – Aug 31, 2022

Project Identifier:

Description: we propose to evaluate the contribution of opioid exposure to a range of neonatal health problems that result in prolonged hospitalization or use of the neonatal intensive care unit (NICU).

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

Role on Project: Principal Investigator

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

Project Period: July 1, 2017 – June 30, 2022

Project Identifier: R01-DA044266

Total Requested: \$3,603,350

Description: The study will prospectively follow drug-using young adults to gain critical new insights into the epidemiology of non-pharmaceutical fentanyl, a highly potent synthetic opioid. Results from this study will improve public health efforts to address the fentanyl overdose epidemic and prevent exposure to drugs contaminated with fentanyl among young adults.

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: Jan 1, 2017 – Dec 31, 2018

Project Identifier: R21-DA043487

Total Requested: \$275,000

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.

8. SERVICE

A. EXTRAMURAL

- Member, Education Committee, Society for Epidemiologic Research 2012 - 2016
- Abstract Reviewer, Society for Epidemiologic Research Meeting 2012 - present
- 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, Ad Hoc Committee on Enhancing Faculty Research 2016 – present
- Faculty Search Committee 2016 – present
Department of Epidemiology
- Member, Committee on Diversity and Inclusion 2016 – present
Brown University School of Public Health
- Member, Review Committee, Framework in Global Health Scholarship Program 2015 - 2016
- Faculty Liaison, Department of Epidemiology Student Journal Club 2015 - 2017
- Member, Review Committee, LTB CFAR Development Grant Applications 2015 - present
- 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
Department of Epidemiology, Brown University 2013 - 2014
- Member, Doctoral Exam Committee
Department of Epidemiology, Brown University 2012 - 2014
- Member, Admissions Committee
Department of Epidemiology, Brown University 2013 - present
- Member, Curriculum Committee
Department of Epidemiology, Brown University 2012 - 2015
- 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 - 2017
- AIDS 2011
- AIDS and Behavior 2012, 2014, 2016 – 2017
- AIDS Research and Therapy 2011
- American Journal of Epidemiology 2011 – 2012, 2014 – 2017
- American Journal of Public Health 2011 – 2014, 2016
- BMC Public Health 2009 – 2010, 2013 – 2016
- Bulletin of the World Health Organization 2013 – 2015
- Clinical Infectious Diseases 2016 – 2017
- Current Psychiatry Reviews 2009
- Drug and Alcohol Dependence (top 5% of reviewers 2011 & 2013) 2008 – 2017
- Drug and Alcohol Review 2011, 2014, 2016
- Epidemiology 2011 – 2012
- Harm Reduction Journal 2009
- Health Affairs 2014 – 2016
- Health Education Research 2009
- HIV Medicine 2010, 2015
- International Journal of Drug Policy (outstanding reviewer, 2015) 2011 – 2017
- Journal of Acquired Immune Deficiency Syndromes 2010 – 2011, 2016
- Journal of Adolescent Health 2010 – 2017
- Journal of the American Medical Association 2010
- Journal of the International AIDS Society 2011, 2014 – 2017
- 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
- Social Networks 2012
- Social Psychiatry and Psychiatric Epidemiology 2015 – 2016
- Substance Abuse and Rehabilitation 2011
- Substance Use & Misuse 2015 – 2016
- The Lancet 2013 – 2017
- The Lancet HIV 2015 – 2016

E. GRANT REVIEW

- Reviewer, Adolescent Medicine Trial Network (ATN) for HIV/AIDS Interventions RFP170127 Grant Review Panel
- 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 Study Section (HSOD), 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

- Rhode Island Multidisciplinary Review of Overdose Deaths (MODE)** Nov 2016 – Present
- Member
- Rhode Island Governor’s Overdose Prevention and Intervention Task Force** Sep 2015 – Present
- Expert Advisor
- Rhode Island Drug Overdose Prevention and Rescue Coalition** Aug 2012 – Present
- Chair, Data Working Group
- The Rhode Island LGBTQ Center** Nov 2014 – Nov 2015
- Member, Board of Directors
- New England Alliance for Gay/Bisexual Men’s Health** Sep 2012 – Nov 2014
- 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

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
- Awarded for academic excellence and research potential
- Undergraduate Scholar Program Scholarship – UBC** 2001-2005
- Awarded for overall academic excellence during an undergraduate program
- NSERC Undergraduate Student Research Award – UBC** 2005
- Awarded for academic excellence and research potential
- Norman MacKenzie Alumni Entrance Scholarship – UBC** 2001
- Awarded as a major university entrance scholarship
- Canada Millennium Foundation Local Excellence Award** 2001
- Awarded for academic success, leadership, and community commitment
- Governor General’s Academic Medal (Bronze)** 2001
- Awarded for highest overall GPA in a graduating class

10. TEACHING

Session	Course	Class Size	Scheduled Hours	
			Lecture	Lab/ Tutorial
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		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,	4	22	0

	Prevention, and Epidemiology of HIV, Brown University			
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
Jacqueline Goldman	ScM Epidemiology, Brown University (2017 – present)		N/A	Academic Advisor
Kelly Sanchez	MPH, Brown University (2015 – present)		N/A	Primary Advisor
Katherine Waye	MPH, Brown University (2015 – present)		N/A	Primary Advisor
William Goedel	PhD Epidemiology, Brown University (2017 – present)		N/A	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	N/A	Dissertation Advisor
Geetanjoli Banerjee	PhD Epidemiology, Brown University (2014 – present)	The impact of prescription opioid use & drug market dynamics on heroin use trajectories among Veterans	NIH: R36 DA042877; PI. G. Banerjee	Academic Advisor

Completed Students

Trainee Name	Type/Training Period	Thesis/Project Title	Funding	Role
Kristen McCausland	PhD Epidemiology, Brown University	Who's smoking now? Applying analytic methods to inform	N/A	Committee Member

	(2012 – 2017)	tobacco control efforts in the United States		
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	Evaluating supervised injection facilities in Copenhagen,	Brown University	Primary Advisor

	University (2013)	Denmark		
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

- 1) "Some say legal payments between drug companies, doctors fueling opioid crisis". *WSB-TV Atlanta*. Aug 11th, 2017.
- 2) Bebinger, Martha. "As fentanyl deaths rise, an off-label tool becomes a test for the killer opioid". *WBUR NPR Boston*. May 11th, 2017.
- 3) Bebinger, Martha. "How supervised injection sites work". *WBUR NPR Boston*. April 5th, 2017.
- 4) Gourley, Kristin, "New help for addicts, one call or click away". *Rhode Island Public Radio*. June 28th, 2016.
- 5) Gourley, Kristin. "Injection drug use fuels rise in hepatitis C cases". *Rhode Island Public Radio (NPR)*. May 26th, 2015.
- 6) Pesquisador descobre como reduzir a SIDA em Cabo Verde até 2012" [Portuguese]. *Radiotelevisão Caboverdiana*. April 18th, 2015.
- 7) 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.
- 8) 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.
- 9) "Supervised injection sites." *MD-FM*. Oct. 17, 2013.

- 10) "Brown professor unveils new HIV infection prediction simulator." *Rhode Island National Public Radio (NPR)*. Jul. 26, 2012.
- 11) "Vancouver's safe-injection site slashes fatal overdoses: report." *Global National*. Apr. 18, 2011.
- 12) "Vancouver's Insite reduces overdose deaths: study." *CTV News*. Apr. 17, 2011.
- 13) "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) Roscoe, Lee. Cape Cod divided on possible injection sites. *Wicked Local Dennis*. Sept 20th, 2017.
- 2) 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.
- 3) Zezima, Katie. Study: Doctors received more than \$46 million from drug companies marketing opioids. *The Washington Post*. Aug 9th, 2017.
- 4) Katz, Josh. Short answers to hard questions about the opioid crisis. *The New York Times*. Aug 3, 2017.
- 5) Blake, Andrew. Feds seize nearly 100 pounds of fentanyl, deadly synthetic opiate, in unprecedented drug bust. *The Washington Times*. June 20th, 2017.
- 6) Arditi, L. R.I. Business Innovators: 11 trailblazers to follow in 2016. *The Providence Journal*. Dec 30th, 2016.
- 7) Cohen, R. Opioid-abuse treatment eludes most who need it in Rhode Island. *Fox News*. Dec 13th, 2016.
- 8) Aleccia, J. As Seattle eyes supervised drug-injection sites, is Vancouver a good model? *The Seattle Times*. Nov 30, 2016.
- 9) Arditi, L. R.I., Brown join hands to improve public health. *The Providence Journal*. August 22nd, 2016.
- 10) Stabile, L. Brown researchers say treatment expansion could eliminate hepatitis C in R.I. *Providence Business News*. July 11th, 2016.
- 11) Kirsch, N. Raimondo launches campaign to combat opioid overdose epidemic. *Providence Business News*. July 4th, 2016.
- 12) Miller, G.W. New statewide campaign targets drug addiction in RI. *The Providence Journal*. June 27th, 2016.
- 13) Volansky, R. A conversation with Brandon D.L. Marshall, PhD. *HCV Next*. June, 2016.
- 14) Foderaro, L.W. Fighting heroin, Ithaca looks to injection centers. *The New York Times*. March 22nd, 2016.

- 15) Harrison, L. Rhode Island Hep C Complications Projected to Continue. *Medscape Medical News*. March 17th, 2016.
- 16) Smith Cross, J. Canada's 'most famous junkie' makes case for supervised injection sites in Toronto. *Metro News Toronto*. March 16th, 2016.
- 17) Gray J, Mahoney J, Woo A. Toronto to consider three proposed supervised drug-injection sites. *The Globe and Mail*. March 14th, 2016: A6.
- 18) McCoy, Terrence. Heroin kills thousands of people every year. Here's a controversial solution that could change that. *The Washington Post*. March 8th, 2016.
- 19) Axton, Natalie. Depot, Darien Police offer the 'straight talk' on town's heroin use. *Darien Times*. September 22nd, 2015.
- 20) Bakes, Katherine. History of childhood maltreatment and suicide attempts among street youth. *NEJM Journal Watch*. August 14th, 2015.
- 21) Hager, Mike. Housing key in battling HIV, study says. *The Globe and Mail*. July 22nd, 2015: S1.
- 22) Nuevos modelos para reducir el VIH entre trabajadores sexuales de México [Spanish]. *La Jorada*. Número 225, Jueves 9 de Abril del 2015.
- 23) Da Silva, Lurdes C. Study: Cape Verde could nearly eradicate HIV by 2021. *O Journal*. April 17th, 2015.
- 24) Woo, A. Bill C-2 could put supervised consumption sites in peril, advocates say. *The Globe and Mail*. March 25th, 2015: S1.
- 25) McGuigan, Connor. New computer model could help stem HIV spread. *Brown Daily Herald*. Mar. 12, 2014: VOL. CXLIX; NO. 34, p.1/Front.
- 26) Kazatchkine, Michel. Canada's drug policy is in with the wrong crowd. [Op-Ed]. *Ottawa Citizen*. Feb 26, 2014: A13.
- 27) 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/>.
- 28) Smith, Jessica. Death of DOMA gives Canadian same-sex couples living in the U.S. hope. *Metro Toronto*. August 8, 2013: A12.
- 29) Kerr, Thomas and Montaner, Julio. Evidence trumps ideology over public health benefits of Insite. [Op-Ed]. *Vancouver Sun*. Jul 25, 2013: A13.
- 30) Chai, Carmen. Asking about abuse could save lives of suicidal addicts: Study. *Global News*. Retrieved July 18, 2013 from: <http://globalnews.ca/news/726204/asking-about-abuse-could-save-lives-of-suicidal-addicts-study/>.
- 31) Greengard, Samuel. A new model for healthcare. *Communications of the ACM*. February 2013;56(2):17-19.
- 32) Guasco, Rick. Model behavior: Creating virtual worlds to solve real world problems. *Positively Aware*. January/February 2013: pp. 27-30.

- 33) Wilson, Mark. Infographic: Predicting the spread of HIV, with a virtual community of 150,000. *Fast Co.Design Magazine*. Retrieved August 10, 2012 from: <http://www.fastcodesign.com/1670464/infographic-predicting-the-spread-of-hiv-with-a-virtual-community-of-150000>.
- 34) Harmon, Kate. How computers could reduce the spread of HIV. *Scientific American Blog*. Retrieved July 27, 2012 from: <http://blogs.scientificamerican.com/observations/2012/07/27/how-computers-could-reduce-the-spread-of-hiv/>.
- 35) Butler, Don. Mayor, police oppose injection site plan; Report recommends creation of two drug facilities. *Ottawa Citizen*. Apr 12, 2012: C1.
- 36) Nussenbaum, Kate. Study examines military reserve alcohol abuse. *Brown Daily Herald*. 2012;122(45): 4. April 6, 2012.
- 37) Sinclair, Leslie. Suicide monitoring urged for certain meth users. *Psychiatric News*. 2011;46(24):9-33.
- 38) Derfel, Aaron. Plan is scientifically sound, health official says; Despite Ottawa's opposition, strategy reduces ODs, infections, doctors agree. *The Montreal Gazette*. Dec 17, 2011: A4.
- 39) 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.
- 40) Ljungren, David. Safe drug-injection site can stay: Supreme Court of Canada. *Reuters Canada*. Sep. 30, 2011.
- 41) 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.
- 42) Let health prevail over prohibition. [Editorial]. *The Globe and Mail*. May 11, 2011: A16.
- 43) There is no reason for Conservatives to oppose Insite. [Editorial]. *The Vancouver Sun*. May 11, 2011: A10.
- 44) The evidence supports Insite. [Editorial]. *The Ottawa Citizen*. May 7, 2011: B6.
- 45) Breakenridge, Rob. Politicians too quick to ignore evidence. *Calgary Herald*. Apr. 26, 2011: A10.
- 46) Safe-injection facility cuts overdose death rate. *Science*. 2011;332(6028):402-403.
- 47) Insite's proven benefits ignored in political fray. [Editorial]. *Star – Phoenix*. Apr. 25, 2011: A6.
- 48) Howell, Mike. Study praises injection site; Researchers note decline in overdoses. *Vancouver Courier*. Apr. 20, 2011: p. 1/Front.
- 49) Baziuk, Laura. Vancouver safe injection clinic reduces fatal drug overdoses: study. *The Canadian Press*. Apr. 18, 2011.
- 50) Picard, André. A beacon of safety in a drug danger zone. *The Globe and Mail*, Apr. 18, 2011: A3.
- 51) McKnight, Peter. Will dramatic drop in overdose deaths be enough to save Insite? [Column]. *The Vancouver Sun*. Apr. 18, 2011: A3.
- 52) 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.

- 53) Ogilvie, Megan. Injection site slashes drug deaths; Overdose deaths plunged after B.C. centre opened, study shows, as debate on issues in T.O. heat up. *Toronto Star*. Apr. 18, 2011: GT1.
- 54) Luymes, Glenda. Huge drop in drug deaths near Insite; 35-per-cent decline shows 'people will die' if DTES facility is closed. *The Province*. Apr. 18, 2011: A3.
- 55) Dowd, Allan. Canadian drug facility cut overdose deaths: study. *Reuters*. Apr. 18, 2011.
- 56) Norton, Amy. HIV meds don't up IV drug abusers' risk-taking. *Reuters*. Aug. 12, 2010.
- 57) Sandborn, Tom. Housing policies could help prevent AIDS, says study. *The Tyee*. Aug. 24, 2009. Available online at <http://thetyee.ca/news/2009/08/24/housingAIDS/>.
- 58) Bach, Mette. The next generation of leaders. *Xtra West*. Jan. 15, 2009. p. 12/Front.

14. RESEARCH SUMMARY

My research focuses on the causes and consequences of addiction, HIV/AIDS, and the social, environmental, and structural determinants of the health of urban populations. My work seeks to inform interventions that mitigate the sequelae of addiction (notably overdose), prevent bloodborne disease transmission, and understand the etiology of suicide, trauma, and depression among people who use and inject drugs. To achieve these aims, I employ a diverse set of quantitative methods, including longitudinal analytic techniques to evaluate non-randomized public health interventions and micro-simulation models to estimate the causal effect of interventions on population health outcomes.