

ALEXANDRIA MACMADU, Ph.D.

Department of Epidemiology
Brown University School of Public Health
121 South Main Street, Box G-S-121-2
Providence, RI, 02912
Tel: 817-897-7724 (cell)
Email: Alexandria_Macmadu@brown.edu

1. DATE OF PREPARATION

September 23, 2024

2. EDUCATION

Ph.D. (Epidemiology) Sept 2018 – May 2022
Brown University School of Public Health Providence, RI

- Dissertation: Examining the impact of nonfatal and fatal overdose in social networks on individual overdose risk
- Advisor: Dr. Brandon Marshall

M.Sc. (Behavioral and Social Sciences) Sept 2014 – May 2015
Brown University School of Public Health Providence, RI

- Thesis: Factors associated with inappropriate overdose response among rural Appalachian non-medical prescription opioid (NMPO) users
- Advisors: Drs. Peter Monti & Kelly Gurka

B.A. (Ethics) Sept 2010 - May 2014
Brown University Providence, RI

- Capstone: An etiology of prescription opioid overdose in southern West Virginia
- Advisor: Dr. Nickolas Zaller

3. POSTDOCTORAL TRAINING

Presidential Postdoctoral Fellowship June 2022 – Dec 2023
Department of Epidemiology Providence, RI
Brown University School of Public Health

4. ACADEMIC APPOINTMENTS

Assistant Professor

Department of Epidemiology
Brown University School of Public Health

Jan 2024 – present
Providence, RI

5. MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

Society for Epidemiologic Research	2020 – present
American Public Health Association	2018 – present
Academic Consortium on Criminal Justice Health	2017 – present

6. PUBLICATIONS

A. BOOK CHAPTERS

- 1) Cullins Z, Behne MF, **Macmadu A**, Rich JD, Brinkley-Rubinstein L. Incarceration and health: An overview of conditions and solutions. In: Quah, SR, Cockerham, WC, editors. *International Encyclopedia of Public Health, 3rd edition*. (in press)
- 2) **Macmadu A**, Reddy M, Tomasulo A, Coyle A, Rich JD. Populations at Special Health Risk: Incarcerated. In: Quah, SR, Cockerham, WC, editors. *International Encyclopedia of Public Health, 2nd edition*. Oxford: Academic Press; 2017. Vol. 5, pp. 563-572.

B. PEER-REVIEWED PUBLICATIONS

- 1) Napoleon SC, Park CJ, Goldman JE, Li Y, Buxton JA, **Macmadu A**, Biello KB, Noguchi J, Marshall BDL. Correlates of fentanyl preference among people who use drugs in Rhode Island. *Harm Reduction Journal*. 2024 Sep 12:112446.
- 2) Shaw LC, Biello KB, Buxton JA, Goldman JE, Hadland SE, Sherman SG, Li Y, **Macmadu A**, Marshall BDL. How substance use preferences and practices relate to fentanyl exposure among people who use drugs in Rhode Island, USA. *Drug and Alcohol Dependence Reports*. 2024 Sep 2:100280.
- 3) Goldman JE, Park CJ, Trombley J, Park JN, Buxton JA, Hadland SE, **Macmadu A**, Marshall BDL. Prevalence and correlates of fentanyl test strip use among people who use drugs in Rhode Island. *Drug and Alcohol Dependence*. 2024 Sep 12:112446.
- 4) Skinner A, Li Y, Jent V, Goedel WC, Hallowell BD, Allen B, Leifheit KM, Cartus AR, **Macmadu A**, Pratty C, Samuels EA, Ahern J, Cerdá M, Marshall BDL. A spatiotemporal analysis of the association between residential eviction and fatal overdose in Rhode Island. *BMJ Public Health*. 2024 May 25;2(1).
- 5) **Macmadu A**. Restoring and expanding pandemic-era support policies to reduce economic precarity and overdose deaths. *American Journal of Public Health*. 2024 May 2(0):e1-3.

- 6) Tan M, Park CJ, Goldman JE, Biello KB, Buxton JA, Hadland SE, Park JN, Sherman SG, **Macmadu A**, Marshall BDL. Association between willingness to use an overdose prevention center and probation or parole status among people who use drugs in Rhode Island. *Harm Reduction Journal*. 2024 Feb; 21(54).
- 7) Egan KL, Gurka KK, **Macmadu A**, Linn HI. Changes in perceptions of first responders after witnessing drug overdose: Individual and contextual variations among people who use opioids in West Virginia. *Journal of Appalachian Health*. 2023 Dec;5(3):22-37.
- 8) **Macmadu A**, Banks AJ, Hallowell BD, Scagos RP, Hadland SE, Chambers LC, Marshall BDL. Receipt of prescription psychostimulants and stimulant-involved fatal overdose: A population-based case-control study. *Substance Use & Misuse*. 2023 May; 58(9): 1163-1167.
- 9) Cartus AR, Goedel WC, Jent VA, **Macmadu A**, Pratty C, Hallowell BD, Allen B, Li Y, Cerdá M, Marshall BDL. Neighborhood-level association between release from incarceration and fatal overdose, Rhode Island, 2016-2020. *Drug and Alcohol Dependence*. 2023 Apr 5:109867.
- 10) Chatterjee A, Weitz M, Savinkina A, **Macmadu A**, Madushami RWMA, Potee R, Ryan D, Murphy S, Walley AY, Linas B. Estimated costs and outcomes associated with use and non-use of medications for opioid use disorder during incarceration and at release in Massachusetts. *JAMA Network Open*. 2023 Apr 3;6(4):e237036-.
- 11) Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, Marshall BDL, **Macmadu A***. Multi-level influences on increased overdose risk behaviors during the COVID-19 pandemic among people who use drugs in Rhode Island: a qualitative investigation. *Harm Reduction Journal*. 2023;20(1):14. (*senior author role)
- 12) **Macmadu A**, Gurka KK, Linn HI, Smith GS, Feinberg J. Factors associated with non-evidence-based overdose responses among people who use prescription opioids non-medically in rural Appalachia. *Substance Use and Misuse*. 2023;58(2):163-70.
- 13) **Macmadu A**, Yolken A, Frueh L, Toussaint JR, Newman R, Jacka BP, Collins AB, Marshall BDL. Characteristics of events in which police responded to overdoses: An examination of incident reports in Rhode Island. *Harm Reduction Journal*. 2022;19(1):1-10.
- 14) **Macmadu A**, Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, Marshall BDL. Drug use behaviors, trauma, and emotional affect following the overdose of a social network member: A qualitative investigation. *International Journal of Drug Policy*. 2022;107(103792).
- 15) Kaplowitz E, Truong AQ, **Macmadu A**, Berk J, Martin H, Burke C, Rich JD, Brinkley-Rubinstein L. Anticipated barriers to sustained engagement in medications for opioid use disorder after release from incarceration. *Journal of Addiction Medicine*. 2023 Jan;17(1).
- 16) Bahji A, Li Y, Vickers-Smith RA, Crystal S, Kerns RD, Gordon KS, **Macmadu A**, Skanderson M, So-Armah K, Sung ML, Bhondoekhan F, Marshall BDL, Edelman EJ. Self-reported cannabis use and HIV viral control among patients with HIV engaged in care:

Results from a national cohort study. *International Journal of Environmental Research and Public Health*. 2022 May 6;19(9).

- 17) **Macmadu A**, Reddon H, Marshall BDL, Fairbairn N, Nolan S, Socías ME, Milloy MJ. Crack cocaine use frequency is associated with HIV disease severity independent of antiretroviral therapy exposure: A prospective cohort study. *AIDS and Behavior*. 2022 Oct;26(10):3356-3364.
- 18) Cartus AR, Li Y, **Macmadu A**, Goedel WC, Allen B, Cerdá M, Marshall BDL. Forecasted and observed drug overdose deaths in the US during the COVID-19 pandemic in 2020. *JAMA Network Open*. 2022; 5(3):e223418.
- 19) Kaplowitz E, **Macmadu A**, Green TC, Berk J, Rich JD, Brinkley-Rubinstein. “It’s probably going to save my life;” Attitudes towards treatment among people incarcerated in the era of fentanyl. *Drug and Alcohol Dependence*. 2022 Mar 1;232:109325.
- 20) Goedel WC, **Macmadu A**, Shhipar A, Moyo P, Cerdá M, Marshall BDL. Association of medical cannabis licensure with prescription opioid receipt: A population-based, individual-level retrospective cohort study. *Int J Drug Policy*. 2022 Feb 1;100:103502.
- 21) Zang X, **Macmadu A**, Krieger MS, Behrends CN, Green TC, Morgan JR, Murphy SM, Nolen S, Walley AY, Schackman BR, Marshall BDL. Targeting community-based naloxone distribution using opioid overdose death rates: A descriptive analysis of naloxone rescue kits and opioid overdose deaths in Massachusetts and Rhode Island. *Int J Drug Policy*. 2021 Dec 1;98:103435.
- 22) **Macmadu A**, Batthala S, Correia Gabel AM, Rosenberg M, Ganguly R, Yedinak JL, Hallowell BD, Scagos RP, Samuels EA, Cerdá M, Paull K, Marshall BDL. Comparison of characteristics of deaths from drug overdose before vs. during the COVID-19 pandemic in Rhode Island. *JAMA Network Open* 2021; 4(9): e2125538.
- 23) Kaplowitz E, Truong AQ, **Macmadu A**, Peterson M, Brinkley-Rubinstein L, Potter N, Green TC, Clarke JG, Rich JD. Fentanyl-related overdoses during incarceration: A comprehensive review. *Health and Justice*. 2021 May 19; 9:13.
- 24) **Macmadu A**, Brinkley-Rubinstein L. Essential strategies to curb COVID-19 transmission in prisons and jails. *American Journal of Public Health*. 2021 May 1;111(5):776-7.
- 25) **Macmadu A**, Brinkley-Rubinstein L, Gonsler I, Clarke JG, Brockmann BW. Engaged scholarship at the Brown University School of Public Health: Designing education for better prisoner and community health. *International Journal of Prisoner Health* 2021 Jan 14;17(4):509-19. DOI: 10.1108/IJPH-04-2020-0025.
- 26) **Macmadu A**, Paull K, Youssef R, Batthala S, Wilson KH, Samuels EA, Yedinak JL, Marshall BDL. Predictors of enrollment in opioid agonist therapy after opioid overdose or diagnosis with opioid use disorder: A cohort study. *Drug and Alcohol Dependence*. 2021 Sep 1;226:108889. PMID: 33310383; PMCID: PMC7855664.
- 27) **Macmadu A**, Rich JD. Commentary on Richardson et al. (2020): Strategies to mitigate payment-coincident drug-related harms are urgently needed. *Addiction*. 2020 Dec 2 (ePub ahead of print). DOI: 10.1111/add.15325. PMID: 33269510.

- 28) **Macmadu A**, Berk J, Kaplowitz E, Mercedes M, Rich JD, Brinkley-Rubinstein L. COVID-19 and mass incarceration: A call for urgent action. *The Lancet Public Health* 2020 Oct 9 (ePub ahead of print). DOI: 10.1016/S2468-2667(20)30231-0. PubMed PMID: 33045186; PubMed Central PMCID: PMC7547322.
- 29) **Macmadu A**, Adams JW, Bessey SE, Brinkley-Rubinstein L, Martin RA, Clarke JG, Green TC, Rich JD, Marshall BDL. Optimizing the impact of medications for opioid use disorder at release from prison and jail settings: A microsimulation modeling study. *International Journal of Drug Policy*. 2020 Jul 22;91:102841. PubMed PMID: 32712165.
- 30) **Macmadu A**, Goedel WC, Adams JW, Brinkley-Rubinstein L, Green TC, Clarke JG, Martin RA, Rich JD, Marshall BDL. Estimating the impact of wide scale uptake of screening and medications for opioid use disorder in US prisons and jails. *Drug and Alcohol Dependence*. 2020 Mar 1;208:107858. PubMed PMID: 32050112; PubMed Central PMCID: PMC7075016.
- 31) Miller-Lloyd L, Landry J, **Macmadu A**, Allard I, Waxman M. Barriers to health care for people who inject drugs: A survey at a syringe exchange program. *Substance Use and Misuse*. 2020 Apr 1;55(6):896-9. PubMed PMID: 31902293.
- 32) Brinkley-Rubinstein L, Peterson M, Clarke JG, **Macmadu A**, Truong A, Pognon K, Marshall BDL, Green TC, Parker M, Martin R, Stein L, Rich JD. The benefits and implementation challenges of the first state-wide comprehensive medication for addictions program in a unified jail and prison setting. *Drug and Alcohol Dependence*. 2019 Dec 1;205:107514. PubMed PMID: 31614328
- 33) Peterson M, **Macmadu A**, Truong AQ, Rich JD, Pognon K, Lurie M, Clarke JG, Brinkley-Rubinstein. Pre-exposure prophylaxis awareness and interest among participants in a medications for addiction treatment program in a unified jail and prison setting in Rhode Island. *Journal of Substance Abuse Treatment*. Nov 1;106:73-8. PubMed PMID: 31540614.
- 34) Lam J, Lee HS, Truong A, **Macmadu A**, Clarke JG, Rich JD, Brockmann BW. Brief video intervention to improve medication assisted treatment attitudes for opioid use disorder in an incarcerated setting. *Journal of Substance Abuse Treatment*. 2019. Sept; 104:28-33. PubMed PMID: 31370982; PubMed Central PMCID: PMC6684325.
- 35) Peterson M, Rich J, **Macmadu A**, Truong AQ, Green TC, Beletsky L, Pognon K, Brinkley-Rubinstein L. "One guy goes to jail, two people are ready to take his spot": Perspectives on drug-induced homicide laws among incarcerated individuals. *International Journal of Drug Policy*. 2019 Aug 1;70:47-53. PubMed PMID: 31082662; PubMed Central PMCID: PMC7429714.
- 36) Wang EA, **Macmadu A**, Rich JD. Examining the impact of criminal justice-involvement on health through national population-based surveys in the United States. *Public Health Reports*. 2019 May; 134(1_suppl):22S-33S. PubMed PMID: 31059413; PubMed Central PMCID: PMC6505319.

- 37) Brinkley-Rubinstein L, Sadacharan R, **Macmadu A**, Rich JD. Introduction to the Special Issue of the Journal of Urban Health on Incarceration and Health. *Journal of Urban Health*. 2018 Aug 1;95(4):441-3. PubMed PMID: 30019116; PubMed Central PMCID: PMC6095750.
- 38) Brinkley-Rubinstein L, **Macmadu A**, Marshall BD, Heise A, Ranapurwala SI, Rich JD, Green TC. Risk of fentanyl-involved overdose among those with past year incarceration: Findings from a recent outbreak in 2014 and 2015. *Drug and Alcohol Dependence*. 2018 Apr 1;185:189-91. PubMed PMID: 29459328.
- 39) Brinkley-Rubinstein L, McKenzie M, **Macmadu A**, Zaller N, Dauria EF, Larney S, Rich JD. A randomized, open label trial of methadone continuation versus forced withdrawal in a combined US prison and jail: Findings at 12-months post-release. *Drug & Alcohol Dependence*. 2018 Mar 1;184:57-63. PubMed PMID: 29402680.
- 40) Smith JM, Uvin AZ, **Macmadu A**, Rich JD. Epidemiology and treatment of hepatitis B in prisoners. *Current Hepatology Reports*. 2017 Sep 1;16(3):178-83. PubMed PMID: 29450123; PubMed Central PMCID: PMC5808981.
- 41) **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 May;68:35-38. PubMed PMID: 28088741; PubMed Central PMCID: PMC5291510.
- 42) Rich JD, Beckwith CG, **Macmadu A**, Marshall BDL, Brinkley-Rubinstein L, Amon JJ, Milloy M-J, King MRF, Sanchez J, Atwoli A, Altice FL. Clinical care of incarcerated people with HIV, viral hepatitis, or tuberculosis. *The Lancet*. 2016 Sep 10; 388(10049):1103-14. PubMed PMID: 27427452; PubMed Central PMCID: PMC5504684.
- 43) Saucier CD, Zaller N, **Macmadu A**, Green TC. An Initial evaluation of law enforcement overdose training in Rhode Island. *Drug and Alcohol Dependence*. 2016 May 1;162:211-8. PubMed PMID: 27020323.

C. WORKS UNDER REVIEW

- 44) **Macmadu A**, Li Y, Bhondokhan F, Chang CH, Bahji A, Crytal S, Gordon KS, Kerns RD, Vickers-Smith RA, Edelman JE, Marshall BDL. Long-term bidirectional associations between depressive symptom severity and opioid use among people with HIV: A prospective cohort study. Submitted to *Addictive Behaviors*.
- 45) Allen B, Krawczyk, Basaraba C, Jent VA, Yedinak Gray JL, Goedel WC, Krieger M, Pratty C, **Macmadu A**, Samuels EA, Marshall BDL, Neill D, Cerdá M. Investigating heterogeneous effects of an expanded methadone access policy with opioid treatment program retention: A Rhode Island population-based retrospective cohort study. Submitted to *American Journal of Epidemiology*.
- 46) Parker S, Reichley N, Biello KB, Goldman J, Buxton JA, Hadland SE, Sherman SG, Marshall BDL, **Macmadu A**. Differences by race and ethnicity in drug use patterns, harm reduction practices and barriers to treatment among people who use drugs in Rhode Island. Submitted to *Harm Reduction Journal*.

- 47) Lai E, Biello KB, Buxton JA, Marshall BDL, **Macmadu A**. Characteristics associated with forced treatment discontinuation among people who use drugs in Rhode Island. Submitted to *Drug and Alcohol Dependence*.
- 48) Yedinak Gray JL, Krieger M, Skinner A, Parker S, Basta M, Reichley N, Schultz C, Pratty C, Duong E, Allen B, Cerdá M, **Macmadu A**, BDL Marshall. "Sometimes I'm interested in seeing a fuller story to tell with numbers" Implementing a Forecasting Dashboard for Harm Reduction and Overdose Prevention: A Qualitative Assessment. Submitted to *BMC Public Health*.
- 49) Skinner A, **Macmadu A**, Shihipar A, Marshall BDL. Healthcare not handcuffs: A non-punitive response to overdose and mental health emergencies in the United States. Submitted to *Community Mental Health Journal*.
- 50) Skinner A, Cartus AR, **Macmadu A**, Rich JD, Cerdá M, Marshall BDL. Preventable premature mortality across three causes of death in the United States: Overdose, firearm injury, and COVID-19. Submitted to *Health Affairs*.

D. PROFESSIONAL PUBLICATIONS

- 1) Berk J, **Macmadu A**, Kaplowitz E, Rich JD. COVID-19 exposes a broken prison system. *Issues in Science and Technology*. 37, no. 1 (Fall 2020): 30–33.
- 2) **Macmadu A**, Brockmann BW, Rich JD. An examination of the provision of health care to people who are incarcerated. National Institute of Justice, Office of Justice Programs, U.S. Department of Justice. (in press).
- 3) Green TC, Rich JD, Marshall BDL, Bratberg J, Goyer J, McCance-Katz E, **Macmadu A**, Kinnard EN, Brinkley-Rubinstein L. Rhode Island's Strategic Plan on Addiction and Overdose: Four Strategies to Alter the Course of an Epidemic. Rhode Island Governor's Overdose Prevention and Intervention Task Force. November, 2015.
- 4) **Macmadu A**, Rich JD. Correctional health is community health. *Issues in Science and Technology*. 2015;32(1), 64-70.

E. CONFERENCE ABSTRACTS

- 1) Borquez A, **Macmadu A**, Zang X, Bessey S, Falade-Nwulia O, Lu M, Etchart H, Daughtery RA, Harding R, Boodram B, Marshal BDL, Latkin C, Wagner KD. Integration of quantitative and qualitative social network data to inform an agent-based model of naloxone distribution and overdose response (oral presentation by A Borquez). International Network for Social Network Analysis (INSNA) Sunbelt Conference 2024. Portland, OR. Jun 24-30, 2024.
- 2) Shaw LC, Biello KB, Buxton JA, Goldman JE, Hadland SE, Sherman SG, **Macmadu A**, Marshall BDL. Evaluating pervasiveness of fentanyl exposure among people who use

- drugs in a U.S. northeastern state using classification and regression tree analysis. 12th International Conference on Health and Hepatitis in Substance Users. Oct 8-11, 2024.
- 3) Shaw LC, Biello KB, Buxton JA, Goldman JE, Hadland SE, Sherman SG, **Macmadu A**, Marshall BDL. Using a classification and regression tree output to understand the likelihood of fentanyl presence among people who use drugs in Rhode Island. College on Problems of Drug Dependence. Montreal, Canada. Jun 15-19, 2024.
 - 4) Shaw L, Biello KB, Buxton JA, Goldman JE, Hadland SE, Sherman SG, **Macmadu A**, Marshall BDL. Concordance of suspected, self-reported co-occurrence of fentanyl with other drugs of use and urine drug testing among people who use drugs in Rhode Island. 2024 Annual Meeting of the Society for Epidemiologic Research. Austin, TX. Jun 18-21, 2024.
 - 5) **Macmadu A**. Drug use behaviors, trauma, and emotional affect following the overdose of a social network member. Symposium on “Parallels between suicide loss and substance related loss: Perspectives from research and practice” (oral presentation, virtual). 3rd Annual Suicide Research Symposium. Apr 17-19, 2024.
 - 6) Naeem AH, Soske J, Merrick C, Gaipo A, Wilson T, **Macmadu A**, Karb R, Samuels EA. Emergency department staff attitudes and experiences with an emergency department community health worker-peer recovery specialist program for patients with substance use disorders. 2023 American College of Emergency Physicians Scientific Assembly. Philadelphia, PA. Oct 9-12, 2023.
 - 7) **Macmadu A**, Yolken A, Frueh L, Toussaint JR, Newman R, Jacka BP, Collins AB, Marshall BDL. Characteristics of events in which police responded to overdoses: An examination of incident reports in Rhode Island (oral presentation by Macmadu A). Brown University Postdoctoral Research Symposium, Providence, RI. Apr 12, 2023.
 - 8) **Macmadu A**, Clark MA, Rich JD, Barnett NP, Marshall BDL. Individual characteristics and relational factors associated with an increase in overdose risk behaviors following the overdose of a social network member (oral presentation by Macmadu A). International Network for Social Network Analysis (INSNA) Sunbelt Conference 2023. Portland, OR. Jun 27-Jul 1, 2023.
 - 9) Skinner A, Jent V, Goedel WC, Allen B, Leigheit KM, Cartus AR, **Macmadu A**, Li Y, Pratty C, Samuels EA, Ahern J, Cerdá M, Marshall BDL. Neighborhood-level relationship between eviction and overdose death in Rhode Island (oral presentation by Skinner A). 2023 Annual Meeting of the Society for Epidemiologic Research. Portland, OR. Jun 13-16, 2023.
 - 10) Cartus AR, **Macmadu A**, Rich JD, Cerdá M, Marshall BDL. Preventable premature mortality across three causes of death in the United States: Overdose, firearm injury, and COVID-19 (oral presentation by Cartus AR). 2023 Annual Meeting of the Society for Epidemiologic Research. Portland, OR. Jun 13-16, 2023.
 - 11) **Macmadu A**, Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, Marshall BDL. Drug use behaviors following the overdose of a social network member: A

- qualitative investigation (oral presentation by Macmadu A). Polysubstance Use Symposium, NYU Center for Opioid Epidemiology and Policy. New York City, New York. October 20-21, 2022.
- 12) **Macmadu A**, Yolken A, Frueh L, Toussaint JR, Newman R, Jacka BP, Collins AB, Marshall BDL. Characteristics of events in which police responded to overdoses: An examination of incident reports in Rhode Island (oral presentation by Macmadu A). 27th Harm Reduction International Conference (HR23), Melbourne, Australia. Apr 16-19, 2023.
 - 13) Chattergee A, Savinkina A, Weitz M, **Macmadu A**, Madushami RWMA, Walley AY, Linas B. Medications for opioid use disorder in jails and prisons: Cost-effectiveness and impact on overdose deaths in Massachusetts (oral presentation by Chattergee A). 16th Academic & Health Policy Conference on Correctional Health, Raleigh, NC. Apr 13-14, 2023.
 - 14) **Macmadu A**, Frueh L, Collins AB, Newman R, Barnett NP, Rich JD, Clark MA, Marshall BDL. Drug use behaviors following the overdose of a social network member: A qualitative investigation (poster presentation by Macmadu A). 13th National Harm Reduction Conference. San Juan, Puerto Rico. October 13-16, 2022.
 - 15) **Macmadu A**, Li Y, Vickers-Smith R, Bhondoeckhan F, Crystal S, Kerns RD, Chang CH, Bahji A, Edelman EJ, Marshall BDL. Long-term, bidirectional associations between depressive symptoms and opioid use among patients with HIV: A prospective cohort study (poster presentation by Li Y). 2022 Annual Meeting of the Society for Epidemiologic Research. Chicago, IL. Jun 14-17, 2022.
 - 16) **Macmadu A**, Batthala S, Correia Gabel A, Rosenberg M, Ganguly R, Yedinak JL, Hallowell BD, Scagos RP, Samuels EA, Cerdá M, Paull K, Marshall BDL. Emerging characteristics of drug overdose decedents during the COVID-19 pandemic: A statewide analysis leveraging linked databases (oral presentation by Macmadu A). 9th International Conference on Health and Hepatitis Care in Substance Users. Sydney, Australia. Oct 13-15, 2021.
 - 17) **Macmadu A**, Reddon H, Marshall BDL, Fairbairn N, Nolan S, Socías ME, Justice A, Milloy MJ. Association of crack cocaine use frequency with HIV disease progression: A prospective cohort study (oral presentation by Macmadu A). 2020 Annual Meeting of the Society for Epidemiologic Research. San Diego, CA. Jun 22-25, 2021.
 - 18) Chattergee A, Savinkina A, **Macmadu A**, Adams JW, Walley AY, Linas B. Medications for opioid use disorder in Massachusetts jails: Cost-effectiveness and impact on overdose deaths. 2021 Society of General Internal Medicine (SGIM) Annual Meeting. April 20-23, 2021.
 - 19) **Macmadu A**, Adams JW, Bessey S, Brinkley-Rubinstein L, Martin RA, Green TC, Clarke JG, Rich JD, Marshall BDL. Optimizing the impact of medications for opioid use disorder in prison and jail settings: a microsimulation modeling study (oral presentation by Macmadu A). 13th Academic & Health Policy Conference on Correctional Health, Raleigh, NC. Jun 25-26, 2020.
 - 20) **Macmadu A**, Goedel WC, Adams JW, Brinkley-Rubinstein L, Green TC, Clarke JG, Martin RA, Rich JD, Marshall BDL. Estimating the impact of wide scale uptake of screening and

- medications for opioid use disorder in US prisons and jails (oral presentation by Macmadu A). APHA Annual Meeting & Expo, Philadelphia, PA. Nov 2-6, 2019. Abstract no. 454110
- 21) Peterson M, **Macmadu A**, Truong AQ, Rich JD, Pognon K, Lurie MN, Clarke JG, Brinkley-Rubinstein. "One guy goes to jail, two people are ready to take his spot": Perspectives on drug-induced homicide laws among incarcerated individuals. Brown University Public Health Research and Data Poster Session, Providence, RI. Apr 4, 2019.
 - 22) Lam J, Lee HS, Truong A, **Macmadu A**, Clarke JG, Rich JD, Brockmann BW. Brief video intervention to improve medication assisted treatment attitudes for opioid use disorder in an incarcerated setting (poster presentation by Lam J). American Psychological Association (APA) 2019 Convention, Chicago, IL. Aug 8-11, 2019.
 - 23) **Macmadu A**, Rich JD, Peterson M, Pognon K, Marshall BDL, Green TC, Martin RA, Brinkley-Rubinstein L. Experiences with and attitudes towards fentanyl and fentanyl-contaminated drugs: A qualitative study of people receiving medications for opioid use disorder in a unified prison and jail system (oral presentation by Macmadu A). 26th Harm Reduction International Conference (HR19), Porto, Portugal. Apr 28-May 1, 2019.
 - 24) **Macmadu A**, Brinkley-Rubinstein L, Marshall BDL, Green TC, Martin RA, Clarke JG, Rich JD. Initiating and continuing medications for opioid use disorder during incarceration (panel presentation). 12th Academic & Health Policy Conference on Correctional Health, Las Vegas, NV. Mar 21-22, 2019.
 - 25) Lam J, Lee HIS, Truong A, **Macmadu A**, Clarke JG, Rich JD, Brockmann BW. Video intervention to improve medication for addiction treatment attitudes in an incarcerated setting. Warren Alpert Medical School of Brown University Summer Research Showcase, Providence, RI. Oct. 31, 2018.
 - 26) **Macmadu A**, Martin RA, Brinkley-Rubinstein L, Clarke JG, Rich JD. Expanding Access to Medications for Opioid Use Disorder to Prisons and Jails: Lessons Learned from the Rhode Island Department of Corrections (oral presentation by Macmadu A). 12th National Harm Reduction Conference, New Orleans, LA. Oct 18-21, 2018.
 - 27) Egan KL, Gurka KK, **Macmadu A**, Linn HI, Lankenau SE. Changes in laypersons' perceptions of first responders after witnessing a drug overdose among a sample of individuals who use non-medical prescription opioids in West Virginia (poster presentation by Egan KL). 12th National Harm Reduction Conference, New Orleans, LA. Oct 18-21, 2018.
 - 28) **Macmadu A**, Gurka KK, Linn HI, Lankenau SE, Rich JD. Factors associated with appropriate overdose response among people who use prescription opioids non-medically in rural Appalachia (poster presentation by Macmadu A). 12th National Harm Reduction Conference, New Orleans, LA. Oct 18-21, 2018.
 - 29) Miller-Lloyd L, Waxman M, Allard I, **Macmadu A**. Barriers to formal health care for people who inject drugs: A survey at a syringe exchange program (poster presentation by Miller-Lloyd L). 12th National Harm Reduction Conference, New Orleans, LA. Oct 18-21, 2018.
 - 30) Gurka KK, Egan KL, **Macmadu A**, Linn HI, Cottler LB. Association between drug use history and non-fatal overdose: A cross-sectional study of community members who use prescription opioids non-medically in West Virginia (poster presentation by Egan KL).

80th Annual Meeting of the College on Problems of Drug Dependence, San Diego, CA.
Jun 9 – 14, 2018. Abstract no. 600.

- 31) **Macmadu A**, Marshall BDL, Heise A, Ranapurwala SI, Rich JD, Green TC, Brinkley-Rubinstein L. Risk of fentanyl-involved overdose associated with recent criminal justice system involvement: Findings from a recent outbreak of illicit synthetic fentanyl overdose, 2014-2016 (oral presentation by Macmadu A). 11th Academic & Health Policy Conference on Correctional Health, Houston, TX. Mar 22-23, 2018. Abstract no. 3041.
- 32) **Macmadu A**, Lines R. Lancet panel on HIV and related infections in prisons (panelist). International Harm Reduction Conference 2017, Montréal, Canada. May 14-17, 2017. Abstract no. 1202.
- 33) **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 in Rhode Island (poster presentation by Macmadu A). International Harm Reduction Conference 2017, Montréal, Canada. May 14-17, 2017. Abstract no. 53.
- 34) **Macmadu A**, Brockmann BW, Green TC, Rich JD. Peer-led health education programming in US prisons: Understanding benefits and barriers to implementation (poster presentation by Macmadu A). 10th Academic & Health Policy Conference on Correctional Health, Atlanta, GA. Mar 16-17, 2017. Abstract no. 2120.
- 35) Marshall BDL, King M, **Macmadu A**, Brinkley-Rubinstein L, Milloy MJ, Beckwith CG, Altice FL, Rich JD. Implementing a universal HIV testing, treatment, and linkage to care program in the prison setting may reduce HIV incidence and racial HIV disparities in the community: An agent-based modeling study (oral presentation by Marshall BDL). 10th Academic & Health Policy Conference on Correctional Health, Atlanta, GA. Mar 16-17, 2017. Abstract no. 2056.
- 36) Brockmann BW, **Macmadu A**, Brinkley-Rubinstein L, Clarke JG. Designing education for better prisoner and community health (oral presentation by Macmadu A). 10th Academic & Health Policy Conference on Correctional Health, Atlanta, GA. Mar 16-17, 2017. Abstract no. 2102.
- 37) Marshall BDL, King M, **Macmadu A**, Brinkley-Rubinstein L, Milloy MJ, Beckwith CG, Altice FL, Rich JD. Improving the prison care continuum reduces racial HIV disparities: A modeling study (poster presentation by King M). Conference on Retroviruses and Opportunistic Infections (CROI), Seattle, WA. Feb 13-16, 2017. Abstract no. 0873.
- 38) Rich JD, Beckwith CG, **Macmadu A**, Marshall BDL, Brinkley-Rubinstein L, Amon JJ, Milloy M-J, King MRF, Sanchez J, Atwoli A, Altice FL. Clinical care of incarcerated people with HIV, viral hepatitis, or tuberculosis (oral presentation by Rich JD). 2016 21st International AIDS Conference, Durban, South Africa. July 18-22, 2016.
- 39) 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 (oral presentation by Marshall BDL). 2016 Epidemiology Congress of the Americas, Miami, FL. Jun 21-24, 2016.

- 40) **Macmadu A**, Gurka KK, Linn H. Acceptability of overdose education and naloxone distribution (OEND) programs to non-medical prescription opioid (NMPO) users in rural Appalachia (poster presentation by Macmadu A). Brown University Public Health Research and Data Poster Session, Providence, RI. Apr 16, 2015.
- 41) Gurka KK, **Macmadu A**, Linn H. Feasibility of an opioid overdose prevention program (OOPP) with peer-distributed naloxone in rural WV (oral presentation by Gurka KK). Society for Advancement of Violence and Injury Research National Conference, New Orleans, LA. Mar 11-13, 2015.
- 42) **Macmadu A**. Prescription opioid overdose in southern West Virginia: An Etiology and Review of Recommendations (oral presentation by Macmadu A). Theories in Action Conference, Providence, RI. Apr 25-27, 2014.

F. GUEST LECTURES

- 1) **Macmadu A**. “Racial disparities in health and the criminal legal system.” Brown University School of Public Health (PHP 1821: Incarceration, Disparities, and Health). Providence, RI. Sep 16, 2024.
- 2) **Macmadu A**. “The importance of social movements: The example of harm reduction.” Brown University School of Public Health (PHP 0320: Introduction of Public Health). Providence, RI. Mar 20, 2024.
- 3) **Macmadu A**. “Opioids and overdose: Examining a four-wave epidemic” Johnson & Wales University (Physician Assistant Program). Providence, RI. Jan 19, 2024.
- 4) **Macmadu A**. “Measures of association.” (PHP 2150: Foundations in Modern Epidemiologic Methods). Providence, RI. Sep 28, 2023.
- 5) **Macmadu A**. “Opioids and overdose: Examining a four-wave epidemic.” Brown University School of Public Health (PHP 1550: Substance Use and Vulnerability to Addiction). Providence, RI. Sep 22, 2023.
- 6) **Macmadu A**. “Racial disparities in health and the criminal legal system.” Brown University School of Public Health (PHP 1821: Incarceration, Disparities, and Health). Providence, RI. Sep 18, 2023.
- 7) **Macmadu A**. “The importance of social movements: The example of harm reduction.” Brown University School of Public Health (PHP 0320: Introduction of Public Health). Providence, RI. Mar 22, 2023.
- 8) **Macmadu A**. “Epidemiology, policy, and scholar-activism: Bridging divides to build better population health.” Brown University School of Public Health (PHP 2180: Interpretation and Application of Epidemiology). Providence, RI. Feb 9, 2023.
- 9) **Macmadu A**. “Opioids and overdose: Examining a four-wave epidemic” Johnson & Wales University (Physician Assistant Program). Providence, RI. Jan 26, 2023.
- 10) **Macmadu A**. “Opioids and overdose: Examining a four-wave epidemic.” Brown University School of Public Health (PHP 1550: Substance Use and Vulnerability to Addiction). Providence, RI. Sep 26, 2022.

- 11) **Macmadu A.** “Racial disparities in health and the criminal legal system.” Brown University School of Public Health (PHP 1821: Incarceration, Disparities, and Health). Providence, RI. Sep 20, 2022.
- 12) **Macmadu A.** “Opioids and overdose: Examining a four-wave epidemic” Johnson & Wales University (Physician Assistant Program). Providence, RI. Mar 24, 2022.
- 13) **Macmadu A.** “Epidemiology of use and disorder.” Brown University School of Public Health (PHP 1550: Substance Use and Vulnerability to Addiction). Providence, RI. Feb 10, 2022.
- 14) **Macmadu A.** “Racial disparities in health and the criminal legal system.” Brown University School of Public Health (PHP 1820: Designing Education for Better Prisoner and Community Health). Providence, RI. Feb 2, 2022.
- 15) **Macmadu A.** “Racial disparities in justice and health in the US today.” Brown University School of Public Health (PHP 1820: Designing Education for Better Prisoner and Community Health). Providence, RI. Jan 27, 2021.
- 16) **Macmadu A.** “Research designs and measures of association in global health.” Brown University School of Public Health (PHP 1070: The Burden of Disease in Developing Countries). Providence, RI. Sept 21, 2020.
- 17) **Macmadu A.** “Health, race, and justice in the US today.” Brown University School of Public Health (PHP 1820: Designing Education for Better Prisoner and Community Health). Providence, RI. Jan 29, 2020.
- 18) **Macmadu A.** “Cohort and case-control studies.” Brown University School of Public Health (PHP 2120: Introduction to Methods in Epidemiologic Research). Providence, RI. Nov 26, 2019.
- 19) **Macmadu A.** “Racial disparities in justice and health in the US today.” Brown University School of Public Health (PHP 1820: Designing Education for Better Prisoner and Community Health). Providence, RI. Feb 4, 2019.
- 20) **Macmadu A.** “Racial disparities in the US criminal justice and public health systems.” The Warren Alpert Medical School of Brown University (BIOL 6678: Incarceration and Health). Providence, RI. Sept 28, 2016.

G. INVITED PRESENTATIONS

- 1) Felker-Kantor, **Macmadu A** (moderator). “DARE to Say No: Policing and the War on Drugs in Schools.” People, Place & Health Collective Lunch and Learn Series. Providence, RI. May 9, 2024.
- 2) Boyle JL, Rich JD, **Macmadu A**. Anonymous Sister Screening and Panel Discussion. Our Storied Health Film and Media Series, The Pandemic Center, Brown University School of Public Health. Apr 3, 2024.
- 3) Bailer D, **Macmadu A**, Harris M. “Nuts and bolts of implementing overdose prevention centers: Best practices, and learning from Rhode Island.” Boston Addiction Conference 2024. Mar 15-16, 2024.

- 4) Collins AB, **Macmadu A.** Shhipar A. “Conducting and communicating research on overdose prevention centers.” Drug Researchers Roundtable, Drug Policy Alliance (webinar). Oct 12, 2023.
- 5) **Macmadu A.** “Examining the impact of nonfatal and fatal overdose in social networks on individual overdose risk.” NYU Langone Health, Department of Population Health, Center for Opioid Epidemiology and Policy Seminar (webinar). Sep 19, 2023.
- 6) **Macmadu A.** Collins AB. “A crash course in harm reduction.” People, Place & Health Collective Lunch and Learn Series. Providence, RI. Sep 12, 2023.
- 7) **Macmadu A.** National Drug & Alcohol Research Centre (NDARC) Career Conversations. University of New South Wales (webinar). Jun 7, 2023.
- 8) **Macmadu A.** “Examining the influence of overdose occurring in social networks on individual overdose risk behaviors.” Columbia University Mailman School of Public Health, Substance Abuse Epidemiology Training Program Seminar (webinar). Feb 14, 2023.
- 9) **Macmadu A.** “Examining the impact of nonfatal and fatal overdose in social networks on individual overdose risk.” West Virginia University School of Medicine, Department of Behavioral Medicine and Psychiatry Grand Rounds. Morgantown, WV. Feb 1, 2023.
- 10) **Macmadu A.** Cartus A. “Understanding overdose during the COVID-19 pandemic.” COBRE on Opioids and Overdose Science Update. Providence, RI. Jun 2, 2022.
- 11) **Macmadu A.** Paull K., Rosenberg M. “Revisiting the Overdose Evidence Update: Interim Findings and Recommendations.” Governor Raimondo’s Overdose Prevention and Intervention Task Force. Providence, RI. Feb 10, 2021.
- 12) **Macmadu A.** Sinha R., Roy S. “Picture a Scientist: Writing a new chapter for women in science.” Rural Drug Addiction Research Center. Providence, RI. Aug 13, 2020.
- 13) **Macmadu A.** Fullilove R. “Racial disparities in justice and health in the US today: A Conversation with Alexandria Macmadu and Robert Fullilove.” Brown University, Shackled and Sick Lecture Series. Providence, RI. Mar 14, 2018.
- 14) **Macmadu A.** “Racial disparities, poverty, and health: Exploring the impact of incarceration in communities of color.” Columbia University Mailman School of Public Health, Incarceration and Public Health Advocacy Network, Incarceration and Health National Lecture Resource. Providence, RI. Nov 17, 2017.
- 15) **Macmadu A.** “Incarceration, race, and health: Understanding the impact of mass incarceration on health in communities of color.” The Warren Alpert Medical School of Brown University, Second-Year Seminar Series. Providence, RI. Nov 9, 2017.
- 16) **Macmadu A.** “Clinical care of incarcerated people with infectious disease.” Building partnerships to enhance health and criminal justice outcomes among pre incarcerated, incarcerated and soon to be released prisoners in Malaysia and other southeastern Asian countries: A regional roundtable meeting of key stakeholders. Kuala Lumpur, Malaysia. Jun 5-6, 2017.

H. AUTHORED LETTERS TO LAY MEDIA

- 1) Shhipar A, **Macmadu A**, Marshall BDL. How to judge harm reduction's success. *Psychology Today*. October 2, 2023.
- 2) Shhipar A, **Macmadu A**, Marshall BDL. In Defense of Drug Decriminalization—Yes, in Oregon. *The Nation*. September 8, 2023.
- 3) Shhipar A, **Macmadu A**, Collins A. Drug overdoses spiked during the pandemic. Here's what states need to do. *The Boston Globe*. June 2, 2022.
- 4) **Macmadu A**. Reimagining the 911 call. *People, Place & Health Collective*. Jan 12, 2021.
- 5) **Macmadu A**. The incarceration-overdose pipeline. *People, Place & Health Collective*. Jul 23, 2020.
- 6) Feinberg J, **Macmadu A**, Stone S, Parker B. Shutting down local syringe program bad idea. *Charleston Gazette-Mail*. Feb 1, 2020.
- 7) Feinberg J, **Macmadu A**, Stone S, Parker B. Why you don't want to shut down your syringe exchange. *The Dominion Post*. Jan 25, 2020.

7. RESEARCH GRANTS

A. GRANTS CURRENTLY HELD

Families left behind: Addressing prolonged grief and substance use disorders among people bereaved by drug overdose deaths

Role on Project: Research Advisory Board Member (PI: K. Osilla, A. Athey)

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

Project Period: 09/09/2024 – 08/31/2026

Total Requested: \$1,298,766

Description: Bereaving a drug overdose death is more common than ever before and this special grief is compounded by guilt, shame, stigma, isolation, and adverse substance use and mental health outcomes. In the proposed practice-research partnership, we aim to increase access to peer grief support for those bereaving an overdose death to help improve outcomes and mitigate downstream consequences that impact both the individual and the community.

Evaluation of the first state-authorized overdose prevention centers in the United States

Role on Project: Co-Investigator (PI: A. Collins, BDL. Marshall)

Funder: Open Society Foundations

Project Period: 10/15/2022 – 04/15/2024

Total Requested: \$299,350

Project Identifier: OR2022-87525

Description: The goals of our proposed research are to conduct a rigorous, mixed-methods, prospective evaluation of the first state-authorized overdose prevention centers in the United States and to rapidly disseminate findings to Rhode Island and national elected officials, policymakers, and departments of health.

Emergency department community health worker-peer recovery navigation for linkage to recovery: A mixed methods evaluation

Role on Project: Co-Investigator, Site Principal Investigator (PI: E. Samuels)

Funder: Centers for Disease Control and Prevention (CDC R01)

Project Period: 09/30/2022 – 09/29/2025

Total Requested: \$2,249,988

Project Identifier: R01-CE003516

Description: The objectives of this study are to: (1) understand participant experiences with ED peer recovery services and identify strategies that can successfully build recovery capital and support recovery services linkage; (2) evaluate program effectiveness in building individual recovery capital, engagement with recovery services, and changes in health-related social needs and social support networks; and (3) evaluate ED peer recovery specialist program implementation, adoption, maintenance, and effectiveness

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

Role on Project: Co-Investigator (PI: M. Cerda, BDL. Marshall)

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

Project Period: 09/01/2022 – 08/31/2026

Total Requested: \$7,597,715

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

B. COMPLETED GRANTS

Examining the impact of nonfatal and fatal overdose in social networks on individual overdose risk

Role on Project: Principal Investigator

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

Project Period: March 1, 2021 – May 31, 2022

Total Amount: \$70,824

Project Identifier: F31-DA052971

Description: The objectives of this research are to (1) prospectively assess the association between nonfatal and fatal overdose in social networks on individual-level overdose risk and (2) to identify and explore potential mediators of this effect.

C. PROPOSALS UNDER REVIEW

An ethno-epidemiological study of overdose vulnerability across genders

Role on Project: Co-Investigator (PI: A. Collins, BDL. Marshall)

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

Project Period: 07/01/2023 – 06/30/2028

Total Requested: \$3,728,286

Description: The aims of this project are to: (1) assess how intimate partner dynamics and partnership disruptions (e.g., incarceration, overdose, violence) influence drug use patterns, treatment and service engagement, and overdose risk among cis and trans women compared to their intimate partners; (2) examine the individual, social, structural, and spatial contexts of drug use and overdose among cis and trans women who use drugs; and (3) investigate how existing and emerging overdose-related interventions produce differential overdose vulnerability and treatment engagement patterns among cis and trans women who use drugs.

TRANSFORM - Transforming the evidence base on estimating prevalence of opioid use disorder and expanded access to interventions to prevent drug related deaths: an international data linkage study

Role on Project: Co-Investigator (PI: L. Degenhardt, M. Hickman, N. Martin)

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

Project Period: 07/01/2024 – 06/30/2029

Total Requested: \$3,131,455

Description: This project is a novel multi-jurisdictional study using data linkages in the US (Rhode Island, Colorado, Massachusetts, and Wisconsin), Australia (New South Wales), and the United Kingdom (UK; Scotland), to transform the evidence base on opioid use disorder prevalence and the impact of opioid agonist therapy as a strategy to prevent opioid harm. The objectives of this project are to: produce robust opioid use disorder prevalence estimates, test whether current opioid agonist therapy programs avert drug-related deaths, and show where benefits can be gained from expanded opioid agonist therapy access.

Overdose risk among the close social ties of overdose decedents

Role on Project: co-Principal Investigator

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

Project Period: 02/01/2024 – 01/31/2025

Total Requested: \$25,000

Description: The aims of this project are to: (1) assess changes in nonfatal overdose, drug use practices, and service engagement following the fatal overdose of a close social tie; and (2) estimate the preliminary effect of the NYC Office of Chief Medical Examiner (OCME Social Worker Outreach and Resource Delivery (SWORD) intervention on nonfatal overdose, drug use practices, and service engagement among overdose decedents' close social ties who use drugs.

8. SERVICE

A. EDITORIAL

- Guest Co-Editor, special issue on “Incarceration and Health,” *Journal of Urban Health*, Volume 95, Issue 4, August 2018.

B. JOURNAL REVIEW

Total manuscripts reviewed: **43**

Note: The number of manuscripts reviewed is indicated in parentheses if greater than one.

<i>Addiction</i> (2)	2021-2022
<i>BMJ Open</i>	2023
<i>Addictive Behaviors</i> (2)	2018, 2023
<i>American Journal of Public Health</i> (8)	2019-2022
<i>Drug and Alcohol Dependence</i> (3)	2021-2022
<i>Drug and Alcohol Dependence Reports</i>	2023
<i>Drug and Alcohol Review</i>	2021
<i>Harm Reduction Journal</i> (2)	2023-2024
<i>International Journal of Drug Policy</i> (5)	2021-2023
<i>International Journal of Prisoner Health</i> (4)	2017, 2019-2021
<i>JAMA Psychiatry</i>	2023
<i>Journal of Addiction Medicine</i>	2022
<i>Journal of Racial and Ethnic Health Disparities</i>	2022
<i>Journal of Substance Abuse Treatment</i> (2)	2020-2021
<i>Journal of Substance Use</i>	2021
<i>Journal of Urban Health</i>	2018
<i>The Lancet</i>	2023
<i>The Lancet Public Health</i> (2)	2020-2021
<i>PLOS ONE</i> (4)	2020-2021

C. UNIVERSITY AND DEPARTMENTAL

Member, Community Advisory Board Brown University SPH	2024-
Abstract Reviewer, Public Health Research Day Brown University SPH	2023
Co-Chair, Diversity and Inclusion Action Plan Committee, Department of Epidemiology, Brown University SPH	2020–Present
Executive Committee Member, Graduate Student Council, Brown University SPH Peer Mentor, Peer to	2020–2022
Peer Mentorship Program Department of Epidemiology, Brown University SPH	2019–2022

Member, Diversity and Inclusion Action Plan Committee, Brown University SPH	2019–2022
Member, Student Advisory Committee, Brown University SPH	2020-2021

D. EXTRAMURAL

Expert Member, State of Rhode Island Opioid Settlement Advisory Committee	2024 - present
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Research Advisory Board Member, “Families left behind: Addressing prolonged grief and substance use disorders among people bereaved by drug overdose deaths” (

Abstract Reviewer, Society for Epidemiologic Research Annual Meeting	2022 - present
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Abstract Reviewer, Society for Epidemiologic Research Digital Webinar	2021
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Abstract Reviewer, American Public Health Association Annual Meeting	2021-2022
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E. GRANT REVIEW

- Ad Hoc Reviewer, Centers for Disease Control and Prevention (CDC) Special Emphasis Panel (CE-24-012), Rigorous Evaluation of Policy-Level Interventions to Prevent Overdose (R01). March 26, 2024.

F. SERVICE TO THE COMMUNITY

RI Harm Reduction Oral History Project	Oct 2021 – Present
• Community Advisory Board member	

Harm Reduction Working Group, RI Governor’s Overdose Prevention and Intervention Task Force	Apr 2018 – Present
• Member	

Harm Reduction Center Coalition, RI Medical Society	Feb 2018 – Present
• Member	

Protect Families First	Dec 2015 – Present
• Board of Directors member	

Project Weber/RENEW	Oct 2021 – Apr 2023
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<ul style="list-style-type: none"> • Board of Directors member 	
RI Governor’s Overdose Prevention and Intervention Task Force	Sep 2015 – 2019
<ul style="list-style-type: none"> • Research Assistant 	
Preventing Overdose and Naloxone Intervention Group	Sep 2012 – 2019
<ul style="list-style-type: none"> • Member 	
Rhode Island Drug Overdose Prevention and Rescue Coalition	Oct 2013 – Dec 2015
<ul style="list-style-type: none"> • Member, Overdose Data Working Group • Member, Naloxone Working Group 	
Swearer Center Community Fellow	Sep 2012 – May 2014
<ul style="list-style-type: none"> • Coordinator, Sexual Health Advocacy through Peer Education 	
Global Brigades Sexual Health, Panama	Aug 2011 – May 2014
<ul style="list-style-type: none"> • Founder, Brown University Chapter 	
Students for Sensible Drug Policy	Sep 2010 – May 2014
<ul style="list-style-type: none"> • Member 	

9. HONORS AND AWARDS

NIH Loan Repayment Award, National Institute on Drug Abuse	2023-2025
<ul style="list-style-type: none"> • Awarded on a competitive basis to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers. 	
Public Health Impact Award, Brown University School of Public Health	2022
<ul style="list-style-type: none"> • Awarded on a competitive basis to one exceptional graduating SPH doctoral student for impact in scholarship and/or professional contribution 	
International Network on Health and Hepatitis in Substance Users Scholarship	2021
<ul style="list-style-type: none"> • Awarded on a competitive basis to attend the 9th International Conference on Health and Hepatitis Care in Substance Users 	
Brown University School of Public Health, Student Abstract Competition	2021
<ul style="list-style-type: none"> • Awarded to top-rated abstracts, funds may be used toward conference registration, accommodation, and travel (First place, spring semester) 	
Brown University School of Public Health, Best Doctoral Poster	2021
<ul style="list-style-type: none"> • Awarded to one doctoral student presenting on Public Health Research Day 	
Brown University Graduate School Presidential Fellowship	

- Awarded on a competitive basis, the honor recognizes academic promise and carries enhanced stipend support 2018-2021
- Langeloth Foundation Student Scholarship** 2019
 - Awarded on a competitive basis to attend the 12th Academic and Health Policy Conference on Correctional Health
- Brown University School of Public Health, Student Abstract Competition** 2019
 - Awarded to top-rated abstracts, funds may be used toward conference registration, accommodation, and travel (Second place, fall semester)
- Langeloth Foundation Junior Investigator Scholarship** 2018
 - Awarded on a competitive basis to attend the 11th Academic and Health Policy Conference on Correctional Health
- William A. and Phyllis Wolfe Foundation Scholarship** 2010-2014
 - Awarded for motivation, character, and potential
- Alpha Natural Resources General Scholarship** 2010-2014
 - Awarded for leadership and service
- W.C. Bailey Jr. Scholar Scholarship** 2010
 - Awarded for character
- Wyoming East Foundation Scholarship** 2010
 - Awarded for leadership, character, and service
- Josephine Chappell-Booker Memorial Scholarship** 2010
 - Awarded for outstanding academic achievement
- American Red Cross High School Scholarship Award** 2010
 - Awarded for service

10. TEACHING

- PHP 1070 – The Burden of Disease in Developing Countries** Fall 2020
Teaching Experience
 - PHP 2120 – Introduction to Methods in Epidemiologic Research** Fall 2019
Teaching Assistant
 - PHP 1820 – Designing Education for Better Prisoner and Community Health** Spring 2016
Teaching Associate
- Lectures:

- Designing Health Messages: Health Communication Theories, Mar 22
- Behavioral Outcomes, Apr, 12
- Performance Objectives, Apr 14
- Determinants, Apr 19
- Change Objective Matrices, Apr 21
- Methods and Strategies, Apr 26
- Process and Impact Evaluations, Apr 28

PHP 2360 – Designing and Evaluating Public Health Interventions
Teaching Assistant

Spring 2015

11. STUDENTS

Current Students

Trainee Name	Type/ Period	Project Title	Funding	Role
Megan Marziali	PhD, Epidemiology, Columbia Mailman School of Public Health (2022-2026)	Dissecting the role of loneliness on substance use- and HIV-related outcomes among sexual minority men in the US and Canada	NIH: R36 PI: M Marziali	Collaborator
Samantha Parker	MPH, Brown University (2023-2024)	Differences by race and ethnicity in drug use patterns, harm reduction practices and barriers to treatment in a cohort of people who use drugs in Rhode Island	NIH: R01DA047975; PI: B Marshall	Thesis Advisor
Evelyn Lai	BA (Hon), Brown University (2020-2024)	Characteristics associated with forced treatment discontinuation among people who use drugs in Rhode Island	NIH: R01DA047975; PI: B Marshall	Honors Thesis Advisor
Victor Xia	Brown University Laidlaw Scholars Leadership and Research Program (2023-2024)	Assessing needs and challenges for reentering individuals in the criminal legal system after COVID-19	Laidlaw Scholars Leadership and Research Program	Primary Advisor

Completed Students

Trainee Name	Type/ Period	Project Title	Funding	Role
Anusha Kumar	Graduate Research Assistantship (Jan 2023-Aug 2023)	Gender-based differences in engaging in harm reduction	NIH: R01DA047975; PI: B Marshall	Primary Supervisor

		practices among people who use drugs in Rhode Island		
Nelson Lin	BA (Hon), Brown University (2019-2023)	Hypertension control among people living with HIV with prior or current stimulant use	NIH: R25MH097591; PI: J Fuchs, W McFarland	Thesis Reader
Lisa Frueh	N/A (2022-2023)	Multi-level influences on increased overdose risk behaviors during the COVID-19 pandemic among people who use drugs in RI	NIH: F31DA052971; PI: Macmadu	Primary Supervisor
Meghan Peterson	PHP2070 Public Health/ Community Service Internship (May 2018-Dec 2018)	Research Assistant - Evaluating the Implementation and Impact of a Novel Medication Assisted Treatment (MAT) Program in a Unified Jail and Prison System	N/A	Internship Mentor
Jeffrey Lam	Basic & Translational Research Program (Jan 2018-Sept 2018)	Evaluating Medication Assisted Treatment Educational Materials in the Rhode Island Department of Corrections	Warren Alpert Medical School Summer Funding	Mentor
Allegra Scharff	MPH, Brown University (Aug 2016-May 2017)	Healthy Bodies on the Inside: A Pilot Intervention for Developing Healthy Eating and Exercise Habits among Incarcerated Women	N/A	Thesis Reader

12. BROADCAST MEDIA QUOTING MACMADU OR MACMADU ET AL. PAPERS

- 1) NBC 10 News. Advocates distribute naloxone at bus hub, say RIPTA drivers should carry it. *NBC 10 News*. Dec 30, 2023. Available at: [Link](#).
- 2) Cleaver, Gavin. Prison health and COVID-19. *The Lancet Voice*. Oct 22, 2021. Available at: [Link](#).
- 3) Randall, Melissa. Miriam Hospital receives grant to study RI DOC opioid program. *ABC 6 Providence*. Oct. 13, 2017. Available at: [Link](#).

13. SELECTED TEXT MEDIA QUOTING MACMADU OR MACMADU ET AL. PAPERS

- 1) Volkow, Nora D [NIDA Director] and Wiley, Tisha. Everyone deserves addiction treatment that works — including those in jail. *STAT*. July 9, 2024.
- 2) Dimitri, Carl. ‘Our Storied Health’ Spotlights the Overdose Epidemic. *News from Brown SPH*. April 5, 2024.

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- 3) Hirsch, Arthur & Bianchi, Eleonora. Jailhouse drug war. *The New Bedford Light*. December 11, 2023.
 - 4) Norton, Amy. Oregon Decriminalized Possession of Small Amounts of Drugs. Fatal ODs Didn't Skyrocket. *U.S. News*. September 29, 2023.
 - 5) Chambers, Samantha. Advocates urge RIPTA to improve overdose response in Kennedy Plaza. *The Brown Daily Herald*. January 31, 2023.
 - 6) Mulvaney, Katie. After an overdose in Kennedy Plaza, advocates fault police, RIPTA for not carrying naloxone. *The Providence Journal*. December 22, 2022.
 - 7) Dahlkamp, Owen. University research examines role of police at overdose incidents. *The Brown Daily Herald*. November 30, 2022.
 - 8) Chiappa, Claudia. Only few overdose incidents require police involvement, new Brown study finds. *Providence Business News*. November 8, 2022.
 - 9) Pikul, Corrie. At overdose events, arrests by police and combative behavior are rare, study finds. *News from Brown*. November, 7, 2022.
 - 10) Shihpar, Abdullah. Alexandria Macmadu awarded Brown University Presidential Postdoctoral Fellowship. *News from Brown Epidemiology*. June 3, 2022.
 - 11) Pavelka, Meghan. Treat opioid users in NC jails, prisons. *The Charlotte Observer*. March 22, 2022.
 - 12) Siegel, Joe. RI \$159M opioid settlements aid larger effort. *Warwick Post*. March 3, 2022.
 - 13) Christensen, Jen. Middle-school children fall prey to fatal fentanyl overdoses. *CNN*. February 18, 2022.
 - 14) Pikul, Corrie. Men, jobless and people with mental health diagnoses most vulnerable in 2020 overdose spike. *News from Brown*. September 17, 2021.
 - 15) Kendi, Ibram X. We still don't know who the coronavirus's victims were. *The Atlantic*. November 10, 2022.
 - 16) Blades, Robin. Solitary confinement policies could make the prison pandemic worse. *Mother Jones*. February 19, 2021.
 - 17) Blades, Robin. Solitary confinement may worsen Covid-19 transmission in prisons. *Undark*. February 15, 2021.
 - 18) Stanley-Becker, Isaac. Early vaccination in prisons, a public health priority, proves politically charged. *The Washington Post*. January 2, 2021.
 - 19) Spear, Maggie. Researchers identify predictors of timely enrollment in treatment for opioid use disorder. *News from Brown*. December 16, 2020.
 - 20) New Brown University Study: Expanded Treatment in Prisons Can Reduce Opioid Overdose Deaths by 31%. *GoLocalProv*. July 25, 2020.
 - 21) Spear, Maggie. Expanded access to treatment in prisons and jails can reduce opioid overdose deaths by 31.6%, study finds. *News from Brown*. July 23, 2020.

14. OTHER PROFESSIONAL ACTIVITIES

Fellow, Network Analysis I, ICPSR Short Course

2023

Mentor Training Program, Advance-CTR	2023
Lifespan/Brown Criminal Justice Research Training (CJRT) Program on Substance Use and HIV	2022-
Sheridan Course Design Seminar (Certificate II), Brown University	2023
Sheridan Teaching Seminar (Certificate I), Brown University	2022
Fellow, Brown University Spatial Structures in the Social Sciences (S4) Program	2021