

Katherine LeMasters
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Current Position

2023- **University of Colorado Anschutz Medical Campus**
Division of General Internal Medicine | Department of Medicine | School of Medicine
Department of Epidemiology | School of Public Health
Assistant Professor

Education

University of North Carolina at Chapel Hill, May 2023

Epidemiology, PhD

Dissertation: *Mass Probation: Individual and Community Effects of Sentencing Severity on Mental Health Inequities*

University of North Carolina at Chapel Hill, 2018

Maternal and Child Health, MPH

Washington and Lee University, 2015

Economics, BA

Global Politics, BA

Areas of Interest and Expertise

Social Epidemiology • Social Demography • Health Equity • Mass Incarceration • Structural Determinants of Health • Community-Based Participatory Research • Epidemiologic Methods • Quantitative Research • Qualitative Research

Grants and Fellowships

2025 General Internal Medicine Micro Grant at the University of Colorado Anschutz Medical Campus to qualitatively explore the experiences of aging individuals with disabilities after incarceration. \$2,500. Role: PI.

2025 Aging Research in Criminal Justice Health Network pilot award to explore the health impacts of legal competency waitlists for those with dementia. \$50,000. Role: PI.

2025 University of Colorado Population Center to explore the health impacts of legal competency waitlists for those with intellectual and developmental disabilities. \$15,000. Role: PI.

2025 Evidence for Action: Innovative Research to Advance Racial Equity Award from the Robert Wood Johnson Foundation to explore ways to reduce fragmented sleep from law enforcement helicopter surveillance. \$580,000. Role: Co-I.

- 2025 University of California at San Francisco Population Health and Health Equity Scholars Award to study the health implications of competency waitlists for people with disabilities in the criminal legal system. \$20,000. Role: Co-I.
- 2025 Colorado Department of Corrections Grant to evaluate the state prison system's Medication Assisted Treatment program for substance use. \$50,000. Role: Co-PI.
- 2024 General Internal Medicine Small Grant at the University of Colorado Anschutz Medical Campus to qualitatively explore mental health and substance use needs for those in jail and on probation in the Denver metro area. \$22,500. Role: PI.
- 2024 AB Nexus Grant at the University of Colorado Boulder to identify infrastructural, institutional, and epidemiological drivers of health risks related to extreme temperatures in Colorado prisons. \$75,000. Role: Co-PI.
- 2024 Community Engagement and Health Equity Pilot Grant at the University of Colorado Anschutz Medical Campus to build a Community Advisory Board around mental health and substance use needs for those in jail and on probation in the Denver metro area. \$8,000. Role: PI.
- 2023 The state of Colorado and Behavioral Health Administration study to assess health and criminal legal impacts of making fentanyl possession a felony. \$550,000. Role: Co-I.
- 2023 Collaborative Pilot Award funded by the National Institute for Drug Abuse and distributed through the Lifespan/Brown Criminal Justice Research Training Program to analyze the relationship between post-release supervision and emergency department visits for mental health and substance use. \$20,000. Role: Co-PI.
- 2021 The National Institutes of Minority Health and Health Disparities F31 Predoctoral Fellowship (F31MD017136) to fund dissertation research on the individual and community effects of probation on mental health disparities. \$69,651. Role: PI.
- 2021 Pilot Award funded by the National Institute for Drug Abuse and distributed through the Lifespan/Brown Criminal Justice Research Training Program to conduct interviews with individuals on probation about mental health. \$16,200. Role: PI.
- 2021 Health Services Research Predoctoral T32 Training Fellowship at The Cecil G. Sheps Center at the University of North Carolina to fund full-time predoctoral training. Role: Predoctoral trainee.
- 2020 Center for the Study of the American South Southern Futures Summer Research Grant at the University of North Carolina to conduct community-engaged research in rural North Carolina on structural determinants of perinatal mental health. \$3,000. Role: PI.
- 2019, 2020 The North Carolina Translational and Clinical Sciences Institute Stakeholder Engagement Voucher to create a Community Advisory Board in rural North Carolina on structural determinants of perinatal mental health. \$2,000. Role: Co-PI.

- 2019 Carolina Center for Public Service Partnership Mini-Grant at the University of North Carolina to partner with youth leaders in Durham, North Carolina around PrEP for HIV prevention. \$300. Role: PI.
- 2018 Population Research Predoctoral T32 Training Fellowship The Carolina Population Center at the University of North Carolina to fund one year of full-time predoctoral training. Role: Predoctoral trainee.
- 2018, 2019 Graduate Student in Participatory Research Seed Grant at the University of North Carolina to conduct community-engaged research in rural North Carolina on structural determinants of perinatal mental health. \$1,200. Role: PI.
- 2018 Carolina Center for Public Service Community Engagement Fellowship at the University of North Carolina to form a partnership in rural North Carolina on perinatal mental health. \$2,500. Role: PI.
- 2017 FHI 360 Fellow through the University of North Carolina for one-year of full-time student coursework and research to conduct global health research. Role: student trainee.
- 2016 Doctoral Merit Assistantship at the University of North Carolina for one-year of full-time student coursework and research. Role: student trainee.

Selected Honors and Awards

- 2025 University of Colorado Center for Bioethics and Humanities Faculty Affiliate
- 2025 University of Colorado General Internal Medicine Research Excellence Award
- 2024 University of Colorado Teaching Scholars Program
- 2024 University of Colorado Clinical Faculty Scholars Program
- 2024 University of Colorado Population Center Faculty Affiliate
- 2023 Delta Omega, Honorary Society for Public Health
- 2022 Interdisciplinary Association for Population Health Sciences Poster Winner
- 2022 University of North Carolina - Graduate Certificate in Participatory Research
- 2021 Lifespan/Brown Criminal Justice Research Program on Substance Use and HIV Scholar
- 2021 Interdisciplinary Association for Population Health Sciences Travel Award
- 2021 Council of State and Territorial Epidemiologists Travel Award
- 2021 Academic and Health Policy Conference on Correctional Health Student Scholarship
- 2020 University of North Carolina Office of the Provost Public Service Award for Engaged Research
- 2018 University of North Carolina - The Graduate and Professional Student Federation Travel Award
- 2018 University of North Carolina - Maternal and Child Health Alumni Committee Travel Stipend
- 2017 University of North Carolina - Graduate Student Transportation Grant
- 2016 Honorable Mention Southwestern Social Science Association Conference Undergraduate Paper

Professional Experience

Consultant	12/2025-Present
<i>Kaiser Center for Gun Violence Research and Education</i>	
<i>Barriers in Healthcare Settings: Investigating the Impact of Law Enforcement in Emergency Departments on Engagement in Gun Violence Prevention Interventions</i>	

Consultant*Health Impacts of Criminal Penalties for Fentanyl Possession in Colorado*

1/2023-7/2023

- Analyzing the relationship between making fentanyl possession a felony and health including overdose and substance use treatment in the state of Colorado.

Consultant

3/2021-Present

Lifespan Transitions Clinic

- Assessing the relationship between the Transitions Clinic and structural, social, and individual determinants of health among all individuals released from Rhode Island Department of Corrections between 2018-2020.

Mental Health Epidemiologist

2/2020-12/2021

*Division of Public Health, Injury and Violence Prevention Branch**NC Department of Health and Human Services*

- Conducted data analysis on case definitions for emergency department visits for mental health and substance use in the state of North Carolina.

Research Assistant

1/2020-5/2023

Re-Envisioning Health and Justice Lab (Dr. Lauren Brinkley-Rubenstein)

- *Third City Project*
 - Conducting quantitative and policy analyses on cause-specific mortality data and other publicly available health data in carceral settings.
 - Coordinating a Community Advisory Board to oversee democratization of carceral data.
- *The Southern Pre-Exposure Prophylaxis (PrEP) Cohort Study of Parolees*
 - Assisting with participant recruitment and retention at parole and probation offices.
 - Administering surveys and conducting semi-structured interviews with recently incarcerated individuals around PrEP acceptability, initiation, and sustained use.
 - Conducting quantitative and qualitative analysis and leading papers on PrEP among parolees.
- *The COVID Prison Project*
 - Conducting quantitative and policy analyses on the COVID-19 pandemic in carceral settings.

Research Assistant

2/2019-12/2021

*A community-based approach to understanding PrEP care in at-risk adolescents**(Dr. Marie Stoner; Dr. John Mitchell)*

- Formed a community-academic partnership with adults and adolescents in Durham on HIV risk and PrEP.
- Facilitated workshops with community members to define priorities regarding HIV and PrEP.

Eunice Kennedy Shriver National Institute of Child Health and Human Development

8/2017-5/2023

Pre-doctoral Trainee at the Carolina Population Center*Bachpan Perinatal Depression and Early Child Development Study (Dr. Joanna Maselko)*

- Leading paper writing and data analysis on postpartum practices, adverse child experiences, social support, and maternal mental health in Pakistan.

Measurement, Learning, and Evaluation Project for the Urban Reproductive Health Initiative (Dr. Ilene Speizer)

- Creating and analyzed quantitative vignettes and focus group discussions focused on social norms related to family planning in Nigeria.

Principal Investigator

3/2017-06/2022

*Mothers Improving Pregnancy and Postpartum Health Outcomes Through Story Sharing**(MI-PHOTOS) (Co-PI: Dr. Elizabeth Bledsoe)*

- Forming a community-academic partnership with the Robeson County community on perinatal health.
- Conducting a photovoice project with mothers in the community on their perinatal health concerns.

Research Assistant

10/2019

Piedmont Health Services Pilot Award (Dr. Kathryn Wouk)

- Conducted quantitative data analysis using electronic medical records on predictors of prenatal care at a local network of federally qualified health centers.

Research Assistant

5/2019-9/2019

The North Carolina Institute for Public Health

- Conducted quantitative and qualitative data analysis on a health equity initiative for African American communities in North Carolina affected by gentrification.
- Supported health equity initiatives in NC on breastfeeding, physical activity, community clinical linkages.

Research Assistant

5/2018-5/2019

Perinatal depression and engagement in HIV care among women in Malawi: Formative research to support the development of a culturally appropriate mental health treatment intervention (Dr. Brian Pence)

- Created interview and focus group discussion guides for women and health care providers on living with HIV and perinatal depression.
- Analyzed interview transcripts and leading paper writing on women’s experience living with HIV and perinatal depression.

Consultant

5/2018-8/2018

Institute for Reproductive Health at Georgetown University

- Finalized a toolkit of methodologies that measure social norms surrounding adolescent sexual and reproductive health around the world via a Learning Collaborative.
- Conducted social network analysis on family planning networks in Benin.

Normative Change for Adolescent Sexual and Reproductive Health and Well-Being Fellow

5/2017-5/2018

FHI 360-UNC Public Health Fellowship – Behavioral, Epidemiological, and Clinical Sciences

- Conducted factor analysis on measures of social norms for family planning in the Democratic Republic of the Congo and integrated measures into structural equation models.
- Created a compendium of methodologies that measure social norms on adolescent sexual health.
- Supported grant applications for stakeholder engagement in communities at-risk for HIV in Durham, NC and for savings groups with HIV-positive adolescents in South Africa.

Research Assistant

5/2017-5/2018

A qualitative study of negative provider behaviors in Kenya (Dr. Katherine Tumlinson)

- Analyzed interviews from healthcare providers on facility-level barriers to contraceptive access in Kenya.

Research Assistant

8/2016-5/2017

Carolina Population Center – Measurement, Learning, and Evaluation Project for the Urban Reproductive Health Initiative (Dr. Ilene Speizer)

- Conducted literature reviews on sustainability evaluations in family planning in developing areas.
- Analyzed quantitative data from a four-country study on family planning interventions.

Cluj School of Public Health International Fellow

9/2015-7/2016

- Developed and conducted a qualitative study on Roma women’s pregnancy experiences.
- Organized global health practicum and participated in sociology, qualitative methods, and maternal and child health coursework.

Institutional and Professional Activities and Service

Colorado SPH Department of Epidemiology MPH Admissions Committee Member	2025-Present
Health Equity and Access for Law Enforcement Involved Patients Member	2025-Present
Mountain Plains Addiction Technology Transfer Center Health Disparities Workgroup	2025-Present

Unbound Authors	2024-Present
<ul style="list-style-type: none"> ▪ Hold writing labs and workshops in Colorado state prisons with incarcerated writers. 	
Alternative Metrics to Criminal Justice Success Working Group Member	2024-Present
<ul style="list-style-type: none"> ▪ Member of statewide Colorado coalition to define alternative metrics to recidivism. 	
University of Colorado Injury and Violence Prevention Center Faculty Member	2024-Present
University of Colorado Center for Health Equity Faculty Affiliate	2024-Present
Academic Consortium on Criminal Justice and Health Education Committee Member	2023-Present
Academic Consortium on Criminal Justice and Health Research Committee Member	2023-Present
Abolitionist Public Health Faculty Network	2024-Present
<ul style="list-style-type: none"> ▪ Collaborating with faculty members across the country to build abolition of mass incarceration into public health teaching, research, grant funding, publications, and university relations. 	
Legislative Endorsement	2024
<ul style="list-style-type: none"> ▪ Actively contributed to and endorsed Federal Environmental Health in Prisons Act 	
Society for Epidemiology Research Descriptive Epidemiology Playlist Author	2024
Kaiser Permanente Substance Use Working Group Member	2023-Present
Abolitionist Public Health Student Network	2022
<ul style="list-style-type: none"> ▪ Collaborating with graduate students across the country to build abolition of mass incarceration into public health curriculum, research, and campus relations. 	
UNC Department of Epidemiology	2019-2021
<ul style="list-style-type: none"> ▪ Collaborated with faculty to create a racial equity lens within the epidemiology methods curriculum. 	
UNC Social Epidemiology Journal Club Organizer	2019-2020
Epidemiology and Justice	2018-2020
<ul style="list-style-type: none"> ▪ Organized journal clubs, seminars, and events at the intersection of epidemiology and social justice. 	
Triangle Empowerment Center: Triangle PrEP Workgroup Member	2018-2020
<ul style="list-style-type: none"> ▪ Supported grant writing and development for a local organization serving minority LGBTQ+ communities in North Carolina. 	
Partnership for a Healthy Durham: HIV/STI Sub-Committee Member	2017-2020
<ul style="list-style-type: none"> ▪ Participated in a community partnership to reduce HIV/STI occurrence in Durham. 	
Student Health Action Coalition: HIV	2016-2019
<i>Counselor (2016-2019), Manager (2018-2019)</i>	
<ul style="list-style-type: none"> ▪ Provided HIV and STI testing and counseling. ▪ Established a community-based partnership with an organization serving community members experiencing homelessness. 	
The Arts Therapy Institute: Participatory Research Intern	2018-2019
<ul style="list-style-type: none"> ▪ Supported a participatory evaluation of an art therapy group for refugee youth. 	

- Invited and coordinating speakers for breakout sessions for student conference.

Teaching and Mentoring

Instructor of Record

- Medical Sociology, Adams State University Prison Education Program 2026
- Fundamentals of Social Epidemiology, University of Colorado 2026
- Reflections on Incarceration and Wellbeing, University of Colorado 2025
- Fundamentals of Epidemiology, Elon University 2022

Practicum Advisor

- Advised Master of Public Health Students on their community-engaged practicum on harm reduction. 2024

Capstone Preceptor

- Advised Master of Public Health Students on their capstone on incarceration and health. 2024

Graduate Teaching Assistant

1. Introduction to Social Epidemiology, University of North Carolina at Chapel Hill 2021
2. Leading for Racial Equity, University of North Carolina at Chapel Hill 2019
3. Methods & Measures for Public Health Practice, University of North Carolina at Chapel Hill 2019

Carolina Population Center Undergraduate Student Mentor

- Mentored college juniors on population health projects and preparing for graduate school. 2019

Research Publications (* Mentored student)

1. **LeMasters, K.**, Levintow, S., Lao, J., McCauley, E., Waleed, C., Cullins, Z., Behne, M.F., Brinkley-Rubinstein, L. The Use of Solitary Confinement and In-Custody Mortality in North Carolina State Prisons, 2021-2023. *SSM-Population Health* (2025): 101865. <https://doi.org/10.1016/j.ssmph.2025.101865>
2. **LeMasters, K.**, Cullins, Z., McCauley, E., Brinkley-Rubinstein, L. “You feel like you going to die:” The Intersection of Mass Incarceration and Climate Disasters. *SSM – Qualitative Research in Health*. Volume 8, 2025. <https://doi.org/10.1016/j.ssmqr.2025.100613>
3. **LeMasters, K.**, Nall, S., Jurecka, C., Craft, B., Christine, P., Binswanger, I., Barocas, J. “You can’t incarcerate yourself out of the drug problem in America:” A qualitative examination of Colorado’s 2022 Fentanyl criminalization law. *Health Justice* 13, 26 (2025). <https://doi.org/10.1186/s40352-025-00334-8>
4. **LeMasters, K.**, Haber, L.A. The hidden crisis of incarcerated individuals during wildfires. *The Lancet Regional Health – Americas*. Volume 43, 2025, 101032. <https://doi.org/10.1016/j.lana.2025.101032>.
5. **LeMasters, K.**, Nall, S., Jurecka, C., Craft, B., Christine, P., Goodman, R., Henderson, J., Haywood-James, R., Williams, A., Wittner, G., Barocas, J. Criminal legal penalties, substance use, and overdose: a concept mapping study examining Colorado’s criminal legal penalties. *BMC Global Public Health* 3, 1 (2025). <https://doi.org/10.1186/s44263-024-00117-7>.
6. **LeMasters, K.**, Levintow, S., Berk, J., Martino, S., Paquette, C., Vanjani, R., Brinkley-Rubinstein, L. The Rhode Island Transitions Clinic: Connections to Healthcare and Social Services. *BMC Health Serv Res* 24, 1631 (2024). <https://doi.org/10.1186/s12913-024-12110-9>.
7. **LeMasters, K.**, McCauley, E., Brinkley-Rubinstein, L. New Horizons in Criminal Legal Data: Creating a Comprehensive Archive. *Health Justice* 12, 31 (2024). <https://doi.org/10.1186/s40352-024-00286-5>
8. **LeMasters, K.**, D’Alessio, A., Touma, F., Andrabi, N., Mitchell, D., Brinkley-Rubinstein, L., Gutierrez, C. The Physiological Toll of Arrests: An Examination of Arrest History on Midlife Allostatic Load. *Annals of Epidemiology*. 2024. <https://doi.org/10.1016/j.annepidem.2024.05.007>
9. **LeMasters, K.**, Brinkley-Rubinstein, L. Covid-19 in US jails and prisons: implications for the next public health crisis. *BMJ Public Health*. 2024;384:e076975. <https://doi.org/10.1136/bmj-2023-076975>
10. **LeMasters, K.**, Ranapurwala, S., Behne, M., Duchesneau, E., Fliss, M., Lao, J., Brinkley-Rubinstein, L. Suicide mortality among individuals in federal prisons compared with the general population: a

- retrospective cohort study in the USA from 2009 to 2020. *BMJ Public Health*. 2024;2:e000544. <https://doi.org/10.1136/bmjph-2023-000544>
11. **LeMasters, K.** Ross, R., Edwards, J., Lee, H., Robinson, W., Brinkley-Rubinstein, L., Delamater, P., Pence, B. Mass Probation: Effects of sentencing severity on mental health for Black and White individuals. *Epidemiology*. 2024 Jan 1;35(1):74–83. <https://doi.org/10.1097/EDE.0000000000001678>.
 12. **LeMasters, K.**, Krajewski, T., Dong, K., Brinkley-Rubinstein, L. Documenting competing needs to well-being among those on community supervision in the south. *Journal of Correctional Health Care*. 2023. <https://doi.org/10.1089/jchc.23.04.0027>
 13. **LeMasters, K.**, Camp, H., Benson, A., Corsi, C., Cullins, Z., Brinkley-Rubinstein, L. “Nothing but a rope to hang yourself:” The toll of mass supervision on mental well-being, *Social Science and Medicine - Mental Health*. 2023, 3. <https://doi.org/10.1016/j.ssmmh.2023.100269>.
 14. **LeMasters, K.**, Renson, A., Zalla, L., Martin, C., Edwards, J. Understanding Accumulation of Health-Related Inequities Over the Life Course Using the Mean Cumulative Count. *Am J Epidemiol*. 2023 May 22:kwad123. <https://doi.org/10.1093/aje/kwad123>.
 15. **LeMasters, K.**, Behne, M.F., Peterson, M., Lao, L., Brinkley-Rubinstein, L. Suicide Rates in State Prisons Before and During COVID-19: Highlighting Gaps in Data. *PLOS ONE* 18(5): e0285729. <https://doi.org/10.1371/journal.pone.0285729>
 16. **LeMasters, K.**, Seide, K., Benson, A., Corsi, C., Brinkley-Rubinstein, L., Krajewski, T., Nowotny, K. Collateral consequences of COVID-19 for people on probation and parole. *Health and Justice*. 2023, 11:18. <https://doi.org/10.1186/s40352-023-00221-0>
 17. **LeMasters, K.**, Delamater, P., Brinkley-Rubinstein, L., Edwards, J., Robinson, W., Pence, B. Mass Probation: Temporal and Geographic Correlation of County-Level Probation Rates & Mental Health in North Carolina. *Social Science and Medicine - Mental Health*. 2023, 3. <https://doi.org/10.1016/j.ssmmh.2023.100189>
 18. **LeMasters K**, Renson A, Edwards JK, Robinson WR, Brinkley-Rubinstein L, Delamater P, Pence, B. Inequities in Life Course Criminal Legal System Sanctions: Measuring Cumulative Involvement. *Ann Epidemiol* Dec 2022; 76:83–90. <https://doi.org/10.1016/j.annepidem.2022.10.007>
 19. **LeMasters, K.**, Maragh-Bass, A., Stoner, M., Bhushan, N., Mitchell, J., Riggins, L., & Lightfoot, A. (2022). Lessons Learned From Conducting Community-Based Research on HIV Prevention With Youth During COVID-19. *Journal of Participatory Research Methods*, 3(3, Youth-themed Special Issue). <https://doi.org/10.35844/001c.38385>
 20. **LeMasters, K.**, Cox, M. E., Fliss, M., Seibert, J., Brown, C., & Proescholdbell, S. (2022). Mental health emergency department visits: An exploration of case definitions in North Carolina. *The American Journal of Emergency Medicine*, 57, 103–106. <https://doi.org/https://doi.org/10.1016/j.ajem.2022.04.053>
 21. **LeMasters, K.**, Ranapurwala, S., Maner, M., Nowotny, K., Peterson, M., Brinkley-Rubinstein, L. COVID-19 Community Spread and Consequences for Prison Case Rates. *PLOS ONE* 17(4): e0266772. <https://doi.org/10.1371/journal.pone.0266772>
 22. **LeMasters K.**, Krajewski T., Nowotny K., Oser C., Mollan K., Brinkley-Rubinstein L. Context specific HIV risk: evidence from screening into the southern pre-exposure prophylaxis study (SPECS). *AIDS Care* 2022 Apr 4;1–6. <https://doi.org/10.1080/09540121.2022.2059054>
 23. **LeMasters, K.**, Brinkley-Rubinstein, L., Maner, M., Peterson, M., Nowotny, K., Bailey, Z. Carceral Epidemiology: COVID-19 Highlights Mass Incarceration as a Key Mechanism of Structural Racism. *The Lancet Public Health*. March 2022. [https://doi.org/10.1016/S2468-2667\(22\)00005-6](https://doi.org/10.1016/S2468-2667(22)00005-6)
 24. **LeMasters K.**, Bledsoe, S., Brooks, J., Chavis, S., Little, E., Pevia, K., Daniel, L., Jordan, K., Schindler, A., Lightfoot, A., The MI-PHOTOS Project. The MI-PHOTOS Project: Understanding the Health and Wellbeing of Rural Historically Marginalized Mothers Through Photovoice. *Health Education & Behavior*. December 2021. doi:[10.1177/10901981211057095](https://doi.org/10.1177/10901981211057095)
 25. **LeMasters, K.**, Oser, C., Cowell, M., Mollan, K., Nowotny, K., Brinkley-Rubinstein, L. Longitudinal Pre-Exposure Prophylaxis (PrEP) Acceptability, Initiation, and Adherence Among Criminal Justice-Involved Adults in the United States: The Southern PrEP Cohort Study (SPECS) Protocol. *BMJ Open* 2021; 11:e047340. <https://doi.org/10.1136/bmjopen-2020-047340>

26. **LeMasters, K.**, Costenbader, E., Martinez, A., Speizer, I. Igras, S., The Influence of Men's Social Networks and Social Norms on Family Planning in Benin. *Global Public Health*. 2021. <https://doi.org/10.1080/17441692.2021.1933125>
27. **LeMasters, K.**, Bates, L., Chung, E., Gallis, J., Hagaman, A., Scherer, E., Sikander, S., Staley, B., Zalla, L., Zivich, P., Maselko, J. Adverse Childhood Experiences and Maternal Depression in Rural Pakistan. *BMC Public Health* 21, 400 (2021). <https://doi.org/10.1186/s12889-021-10409-4>
28. **LeMasters, K.**, Atkins, K., Oloonabadi, S., Munn, T., Eng, E., Lightfoot, A. How Can We PrEP? Exploring Black MSM's experiences with pre-exposure prophylaxis through Photovoice. *AIDS Education & Prevention* 33(1). (2021). <https://doi.org/10.1521/acap.2021.33.1.16>
29. **LeMasters, K.**, McCauley, E., Nowotny, K. Brinkley-Rubinstein, L. COVID-19 cases and testing in 53 prison systems. *Health Justice* 8(24). (2020). <https://doi.org/10.1186/s40352-020-00125-3>
30. **LeMasters, K.**, Dussault, J., Barrington, C., Bengtson, A., Gaynes, B., Go., V., Hosseinipour M., Kulisewa, K., Kutengule, A., Meltzer-Brody, S., Midiani, D., Mphonda, S., Pence, B., Udedi, M. "Pain in my heart": Understanding perinatal depression among women living with HIV in Malawi. *PLOS ONE* 15(6): e0227935. (2020). <https://doi.org/10.1371/journal.pone.0227935>
31. **LeMasters, K.**, Andrabi, N., Zalla, L., Hagaman, A., Chung, E., Gallis, J., Turner, E., Bhalotra, S., Sikander, S., Maselko, J. Maternal depression in rural Pakistan: the protective associations with cultural postpartum practices. *BMC Public Health* 20, 68 (2020). <https://doi.org/10.1186/s12889-020-8176-0>
32. **LeMasters, K.**, Wallis, A., Chereches, R., Gichane, M., Tehei, C., Varga, A. Tumlinson, K. (2019) Pregnancy experiences of women in rural Romania: understanding ethnic and socioeconomic disparities. *Culture, Health & Sexuality*, 21:3, 249-262 (2019) [10.1080/13691058.2018.1464208](https://doi.org/10.1080/13691058.2018.1464208)
33. McCauley, E., Portier, C., **LeMasters, K.** Health Consequences of Paternal Incarceration Using a Future-Treated Control Group. *Health Justice* (2026). <https://doi.org/10.1186/s40352-025-00395-9>
34. McCauley, E., Cullins, Z., **LeMasters, K.** A Legal Quagmire: the need for a public health approach to the competency crisis. *Health Justice* 13, 65 (2025). <https://doi.org/10.1186/s40352-025-00379-9>
35. Paquette, C., Ehle, K., Roach, M., Danna, T., **LeMasters, K.**, Craft, B., Brinkley-Rubinstein, L. How competing needs after incarceration lead to adverse health outcomes among people who use criminalized drugs. *BMC Glob. Public Health* 3, 36 (2025). <https://doi.org/10.1186/s44263-025-00152-y>
36. Brinkley-Rubinstein, L., **LeMasters, K.**, Berk, J., Levintow, S., Martino, S., Vanjani, R. Structural and healthcare predictors of substance use-related death following release from incarceration: A retrospective cohort study in Rhode Island, 2018–2020. *International Journal of Drug Policy*. 2025;139, <https://doi.org/10.1016/j.drugpo.2025.104783>.
37. Frost, A., Scherer, E., Chung, E. O., Gallis, J. A., Sanborn, K., Zhou, Y., Hagaman, A., **LeMasters, K.**, Sikander, S., Turner, E., & Maselko, J. (2025). Longitudinal pathways between maternal depression, parenting behaviors, and early childhood development: A mediation analysis. *International Journal of Behavioral Development*, 0(0). <https://doi.org/10.1177/01650254251327372>
38. Pytell JD, Christine PJ, **LeMasters K**, Rockhill KM, Black JC, Dart RC, & Binswanger IA. Comparison of heroin and fentanyl use in US nationally representative surveys. *Addict Sci Clin Pract*. 2025;20(1):13. <https://doi.org/10.1186/s13722-025-00539-0>
39. Levintow, S., Remch, M., **LeMasters, K.**, Rice, D. The role of epidemiologists in addressing the public health consequences of the United States criminal legal system. *American Journal of Epidemiology*, 2025; kwae477, <https://doi.org/10.1093/aje/kwae477>.
40. Krajewski, T., **LeMasters, K.**, Oser, C., Brinkley-Rubinstein, L. Perceived versus actual HIV risk among PrEP indicated persons with Criminal Legal Involvement. *AIDS Care*, 1–10. <https://doi.org/10.1080/09540121.2024.2383873>
41. Yamkovoy, K., Patil, P., Dunn, D., Erdman, E., Bernson, D., Swathi, P., Nall, S., Zhang, Y., Wang, J., Brinkley-Rubinstein, L., **LeMasters, K.**, White, W., Barocas, J. Using machine learning to predict opioid-related overdose following prison release. *Annals of Epidemiology*, 94 (2024) 81-90. <https://doi.org/10.1016/j.annepidem.2024.04.011>.
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63. Atif, N., Bibi, A., Nisar, A., Zulfiqar, S., Ahmed, I., **LeMasters, K.**, Hagaman, A., Sikander, S., Maselko, J., Rahman, A. (2019). Delivering maternal mental health through peer volunteers: a 5-year report. *International Journal of Mental Health Systems*, 13(1), 62. <https://doi.org/10.1186/s13033-019-0318-3>
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65. Tumlinson, K., Gichane, M. W., Curtis, S. L., & **LeMasters, K.** (2019). Understanding healthcare provider absenteeism in Kenya: a qualitative analysis. *BMC Health Services Research*, 19(1), 660. <https://doi.org/10.1186/s12913-019-4435-0>

Forthcoming Publications

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1. **LeMasters, K.**, Cowell Mercier, M., Maner, M., Chen, H., Brinkley-Rubinstein, L. Medication for Opioid Use Disorder in Jail Settings: Barriers and Facilitators to Implementation. Revise & Resubmit.
 2. **LeMasters, K.**, Brinkley-Rubinstein, L., Ciptet, D., Cloud, D., Cowan, K., Eisenman, W., Haber, L. Macht, A., Reid, C. Mass Incarceration as a Climate Justice Issue. Revise & Resubmit.
 3. Cowan, K. Boudreault, J., **LeMasters, K.**, Brinkley-Rubinstein, L. Lagged and non-linear effects of temperature extremes on mortality in US federal prisons: a case-crossover study, 2009-2021. *Epidemiology*. Accepted.
 4. Morales, G., James, J., **LeMasters, K.** Justice-Involved as Prisoners by the IRB: Regulation Without Protection. *The American Journal of Bioethics*. Accepted.
 5. Christine, P., Pytell, J., Gabrielson, A., Munoz-Jones, S., Craft, B., Rotello, H., Binswanger, I., **LeMasters, K.** Do state mandates translate to jail policies? A landscape review of Colorado jail policies for medication for opioid use disorder. Under Review.

6. Levintow, S., Remch, M., Taylor, O., **LeMasters, K.**, Berk, J., Brinkley-Rubinstein, L., Rice, D., Powers, K., Rosen, D. The impacts of the SARS-CoV-2 pandemic on incarceration dynamics and racial disparities in North Carolina jails. Under Review.
7. Padmanabhan, P., Christine, P., Pytell, J., Wagner, N., Gibbins, J., Charron, C., **LeMasters, K.** Association between a Citywide Ban on Syringe Distribution and Provision of Other Harm Reduction Services. Submitted.
8. Levintow, S., Remch, M., Taylor, O., **LeMasters, K.**, Berk, J., Brinkley-Rubinstein, L., Rice, D., Powers, K., Rosen, D. Measuring exposure to jail incarceration using web-scraped public roster data. Submitted.

Other Publications

- Haber, L., **LeMasters, K.**, Berk, J. Inclusion of incarcerated individuals in wildfire exposure registries. The Lancet Regional Health – Americas. Volume 55, 2026, 101354. <https://doi.org/10.1016/j.lana.2025.101354>
- Report of the Alternative Metrics of Recidivism Working Group Pursuant to 24-33.5-535, C.R.S. July 2025. https://cdpsdocs.state.co.us/ors/amwg/2025-07_AMWG-StatusReport.pdf
- **LeMasters, K.** Colorado’s fentanyl criminalization bill won’t solve the opioid epidemic, say the people most affected. The Conversation. June 13, 2025. <https://theconversation.com/colorados-fentanyl-criminalization-bill-wont-solve-the-opioid-epidemic-say-the-people-most-affected-256661>
- Jurecka, C., Barocas, J., Binswanger, I., Christine, P., Glanz, J., Guan, X., Kline., **LeMasters, K.**, Padmanabhan, P., Roithmayr, D. Measuring the Health Impacts of Felonizing Fentanyl Possession. State Report. 25 IBEH 192399. December 30, 2024. <https://bha.colorado.gov/data-and-reports/reports>
- **LeMasters, K.**, Brinkley-Rubinstein, L. Opinion: The Abysmal State of Reporting Suicides from U.S. Prisons. Undark. August 3, 2023. <https://undark.org/2023/08/03/the-abysmal-state-of-reporting-suicides-from-u-s-prisons/>
- **LeMasters, K.**, Maner, M., M.F. Behne, Kaplowitz, E., Evancho, P., Brinkley-Rubinstein, L. Solitary confinement under the guise of public health: lessons learned from the HIV epidemic. Health Affairs Forefront, May 31, 2023. <https://www.healthaffairs.org/doi/10.1377/forefront.20230530.526784>
- **LeMasters, K.**, Peterson, M., Maner, M., Brinkley-Rubinstein, L. Staff Shortages in Prisons and Jails Highlight Opportunities for Decarceration. Health Affairs Forefront, January 21, 2022. <https://www.healthaffairs.org/doi/10.1377/forefront.20220119.329328/>
- **LeMasters, K.**, Cowell, M., Brinkley-Rubinstein, L. COVID-19 and HIV: Overlapping Pandemics for Criminal Justice Involved Individuals. Health Affairs Blog, August 24, 2021. <https://www.healthaffairs.org/doi/10.1377/forefront.20210818.753807>
- Brinkley-Rubinstein, L., Cullins, Z., **LeMasters, K.**, Behne, M., Nowotny, K., Lao, J. "Monkeypox In Prisons: Urgent Action Needed To Avoid A Public Health Crisis", Health Affairs Forefront, September 13, 2022. <https://doi.org/10.1377/forefront.20220909.516339>
- Hamblett, A., Cowell, M., **LeMasters, K.**, Maner, M., Brinkley-Rubinstein, L. State Departments’ of Health Relationships with Departments of Correction in the Time of COVID-19. Health Affairs Forefront, January 28, 2022. doi: [10.1377/forefront.20220127.35520](https://doi.org/10.1377/forefront.20220127.35520)

Book Chapters

- Cowan, K., Lao, J., **LeMasters, K.**, Behne, M., Brinkley-Rubinstein, L. (2025) Mass Incarceration and the Climate Crisis: Past Research and Future Implications of Intersecting Hazards and their Impacts on Health. In: Link, N., Novisky, M., Fahmy, C. (eds) Contemporary Issues in Health and Punishment.
- Hamblett A., Cowell M., **LeMasters K.**, Brinkley-Rubinstein L. (2022) Best Practices to Assuage COVID-19 Risk in Jails and Prisons. In: Greifinger R.B. (eds) Public Health Behind Bars. Springer, New York, NY. https://doi.org/10.1007/978-1-0716-1807-3_9

Selected Conference Oral Presentations (* *Presenting Author*)

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1. * Padmanabhan, P., Christine, P., Pytell, J., **LeMasters, K.** Association between a Citywide Ban on Syringe Distribution and Provision of Other Harm Reduction Services and Syringe Litter in Pueblo, Colorado. Interdisciplinary Association for Population Health Sciences, Annual Conference, Pittsburgh, PA. September 2025.
 2. * Christine, P., Pytell, J., Gabrielson, A., Muñoz-Jones, S., Craft, B., Rotello, H., Binswanger, I., **LeMasters, K.** Do Jail Mandates Translate to Jail Policies? A Landscape Review of Colorado Jail Policies for Medication for Opioid Use Disorder. Academic Consortium on Criminal Justice and Health, Annual Conference, Austin, TX. March 2025.
 3. * **LeMasters, K.**, Nall, S., Jurecka, C., Craft, B., Christine, P., Binswanger, I., Barocas, J. “You Can’t Incarcerate Yourself Out of the Drug Problem in America:” The Burden of Additional Criminalization of Fentanyl. Academic Consortium on Criminal Justice and Health, Annual Conference, Austin, TX. March 2025.
 4. * **LeMasters, K.**, Cullins, Z., McCauley, E., Brinkley-Rubinstein, L. “You feel like you going to die:” The Intersection of Mass Incarceration and Climate Disasters. American Society on Criminology, Annual Conference, San Francisco, CA. November 2024.
 5. * **LeMasters, K.**, Cowan, K., Brinkley-Rubinstein, L. Mass Incarceration as an Environmental Justice Issue in the United States. International Society for Environmental Epidemiology, Annual Conference, Santiago, Chile, August 2024.
 6. * **LeMasters, K.** Tertiary Prevention: The Role of Epidemiologists in Addressing the Harms of the US Criminal Legal System. Society for Epidemiological Research, Annual Conference, Austin, TX, June 2024.
 7. * **LeMasters, K.**, Levintow, S., Lao, J., Brinkley-Rubinstein, L. Solitary Confinement and Mortality in North Carolina State Prisons. Academic Consortium on Criminal Justice and Health, Annual Conference, Phoenix, AZ. April 2024.
 8. * **LeMasters, K.**, Levintow, S., Berk, J., Martino, S., Paquette, C., Vanjani, R., Brinkley-Rubinstein, L. The Rhode Island Transitions Clinic: Connections to Healthcare & Social Services. Academic Consortium on Criminal Justice and Health, Annual Conference, Phoenix, AZ. April 2024.
 9. Cowan, K., **LeMasters, K.**, Brinkley-Rubinstein, L. Temperatures extremes and mortality in federal prisons across the United States, a case- crossover study. Academic Consortium on Criminal Justice and Health, Annual Conference, Phoenix, AZ. April 2024.
 10. Nall, S., Barocas, B., Jurecka, C., Craft, B., Dias, D., Doll, N., Goodman, G., Hale, L., Henderson, J., James, R., Robertson, J., Speer, T., Williams, A., Wittner, G. **LeMasters, K.** The Effects of Criminal Legal Penalties on Substance Use & Overdose: A Concept Mapping Study. Academic Consortium on Criminal Justice and Health, Annual Conference, Phoenix, AZ. April 2024.
 11. * **LeMasters, K.**, Brinkley-Rubinstein, L., Berk, J., Levintow, S., Martino, S., Vanjani, R. Assessing the relationship between structural factors, healthcare use, and risk for substance use-related death after release from a unified jail and prison system. American Public Health Association, Annual Conference, Atlanta, GA, November 2023.
 12. Nall, S., Jurecka, C. Ammons, Rodriguez, A., Craft, B., Waleed, C., Dias, D., Henderson, J., Boyer, J., Yamkovoy, K., Swathi, P., Patil, P., Behne, M., **LeMasters, K.**, Brinkley-Rubinstein, L., Barocas, J. Identifying Structural Risk Factors of Overdose Following Incarceration: A Concept Mapping Study. College on Problems of Drug Dependence, Annual Conference, Denver, CO, June 2023.
 13. * **LeMasters, K.** Ross, R., Edwards, J., Lee, H., Robinson, W., Brinkley-Rubinstein, L., Delamater, P., Pence, B. Mass Probation: Effects of sentencing severity on mental health for Black and White individuals. Society for Epidemiological Research, Annual Conference, Portland, OR, June 2023.
 14. * **LeMasters, K.**, Nowotny, K., Brinkley-Rubinstein, L. COVID-19 and the long term impacts on carceral populations in the United States. Law and Society, Annual Conference, San Juan, Puerto Rico, June 2023.
 15. **LeMasters, K.**, Camp, H., Benson, A., Corsi, C., Cullins, Z., Brinkley-Rubinstein, L. “Nothing but a rope to hang yourself”: The toll of mass supervision on mental health. Academic Consortium on Criminal Justice and Health, Annual Conference, Raleigh, NC, April, 2023.

16. * **LeMasters, K.**, Delamater, P., Brinkley-Rubinstein, L., Edwards, J., Robinson, W., Pence, B. Mass Probation: Temporal and Geographic Correlation of County-Level Probation Rates & Mental Health in North Carolina. American Public Health Association, Annual Conference, Boston, MA, November 2022.
17. * **LeMasters, K.**, Krajewski, T., Dong, K., Brinkley-Rubinstein, L. Documenting Competing Needs to Well-Being among those on Community Supervision in the South. American Public Health Association, Annual Conference, Boston, MA, November 2022.
18. * **LeMasters, K.**, Renson, A., Edwards, J., Robinson, W., Brinkley-Rubinstein, L., Delamater, P., Pence, B. Inequities in Life Course Involvement in the Criminal Legal System: Moving Beyond Incarceration. American Public Health Association, Annual Conference, Boston, MA, November 2022.
19. * Hamid, S., **LeMasters, K.**, Peterson, M., Overcrowding in California Prisons During the COVID-19 Pandemic. Academic Consortium on Criminal Justice and Health. 15th Annual Meeting, Virtual, April 2022.
20. * **LeMasters, K.**, Behne, M., Lao, L., Peterson, M., Brinkley-Rubinstein, L. The Need for Context: Suicide Rates in State Prisons Before and During COVID-19. Academic Consortium on Criminal Justice and Health. 15th Annual Meeting, Virtual, April 2022.
21. * **LeMasters, K.**, Ranapurwala, S., Maner, M., Peterson, M., Nowotny, K., Brinkley-Rubinstein, L. COVID-19 Community Spread and Consequences for Prison Case Rates. International Association of Population Health Sciences, Annual Conference, Virtual, October 2021.
22. * **LeMasters, K.**, Cox, M.B., Fliss, M., Proescholdbell, S. Mental Health and Overdose Emergency Department Visits: An Exploration of Case Definitions in North Carolina, 2018. Council of State and Territorial Epidemiologists, Annual Conference, Virtual, June 2021.
23. Chung, E., Glover, L., **LeMasters, K.**, Lodge, E., Martinez, R., Staley, B., Wright, M. Improving Pedagogy: A Doctoral Student Initiating to Integrate Race and Ethnicity into Epidemiology Curriculum. Society of Epidemiologic Research 54th Annual Meeting, Virtual, June 2021.
24. * **LeMasters, K.**, McCauley, E., Nowotny, K., Brinkley-Rubinstein, L. COVID-19 Cases and Testing in 53 Prison Systems. Academic Consortium on Criminal Justice and Health. 14th Annual Meeting, Virtual, April 2021.
25. * **LeMasters, K.**, Uhrig Caustonguay, B., Brinkley-Rubinstein, L. Retention and Protocol Development for the first Pre-exposure Prophylaxis (PrEP) Observational Cohort of Returning Citizens in the US South: Lessons Learned and Reframing Retention in COVID. Academic Consortium on Criminal Justice and Health. 14th Annual Meeting, Virtual, April 2021.
26. * **LeMasters, K.**, Corsi, C., Krajewski, T., Brown, M., Mollan, K., Cowell, M., Morgan, S., Brinkley-Rubinstein, L. Exploring Intersections of Social Support, Trauma, and Adult Well-Being among Formerly Incarcerated Adults: Results from the SPECS Study. Academic Consortium on Criminal Justice and Health. 14th Annual Meeting, Virtual, April 2021.
27. * **LeMasters, K.**, Krajewski, T. Brinkley-Rubinstein, L. Screening into the Southern Pre-Exposure Prophylaxis Study (SPECS). Academic Consortium on Criminal Justice and Health. 14th Annual Meeting, Virtual, April 2021.
28. Bledsoe, S. E., **LeMasters, K.**, Brooks, J., Chavis, S., Little, E., Pevia, K., Daniel, L., Jordan, K., Schindler, A., & Lightfoot, A. for the MI-PHOTOS Project. Understanding the Health and Wellbeing of Rural, BIPOC Mothers to Advance Health Equity and Justice. Society for Social Work and Research 26th Annual Conference, January 2022, Washington, DC.
29. * Hagaman, A., **LeMasters, K.**, Zivich, P., Sikander, S., Bates, L., Bhalotra, S., Chung, E., Zaidi, A., Maselko, J. Longitudinal effects of perinatal social support on maternal depression: a marginal structural modelling approach. Society of Epidemiologic Research 53rd Annual Meeting, Virtual, December 2020.
30. Maragh-Bass, A.C, Stoner, M., Mitchell, J.T., Riggins, L., **LeMasters, K.**, Bhushan, N.L., Walker, M., Debnam S.L., Lightfoot, A., Pettifor, A., Golin, C. “Amplifying Youth Voices in HIV Prevention: Lessons Learned from a Community-Based Adolescent Health Project in Durham, NC”. 4th HIV Research for Prevention conference, Virtual, 27-28 January and 3-4 February 2021.
31. * Pevia, K., Brooks, J., Marshall, S., **LeMasters, K.**, Bledsoe, S. Story Sharing as Community Engagement: The MI-PHOTOS Project. Connect, Engage, Transform: Rural Community Partnerships. January 2020. Chapel Hill, NC.

32. * **LeMasters, K.**, Hunter, M. How Can We PrEP? A Photovoice Project. Workshop Leader at The HIV Biomedical Prevention Summit. The National Minority AIDS Council. December 2019. Houston, TX.
33. * **LeMasters, K.** Bledsoe, S., Pevia, K., Brooks, J., Godown, E., Byrd, R. Lessons Learned from Initiating Community-Based Participatory Research for Perinatal Health. The American Public Health Association. November 2019. Philadelphia, PA.
34. * Islam, J., McClure, E., Gartner, D., Quist, A., **LeMasters, K.**, Wilkie, A., Keeler, C. Zine development as a pedagogical tool for critically evaluating how social justice and epidemiology relate. The American Public Health Association. November 2019. Philadelphia, PA.
35. * **LeMasters, K.** Costenbader, E., Martinez, A., Speizer, I. Igras, S. The Influence of Men's Social Networks and Social Norms on Family Planning in Benin. International Conference on Family Planning. November 2018, Kigali, Rwanda.
36. Bengtson, A., Gaynes, B., Hosseinipour M., Kulisewa, K., Kutengule, A., **LeMasters, K.**, Meltzer-Brody, S., Midiani, D., Mphonda, S., Pence, B., Udedi, M. The Feasibility and Acceptability of Perinatal Depression Screening and Counseling for Women Living with HIV in Malawi. College of Medicine Research Dissemination Conference. November 2018, Lilongwe, Malawi.
37. * **LeMasters, K.** The Pregnancy Experiences of Women in Rural Communities in Cluj County, Romania: Understanding Ethnic and Social Disparities. Psychosocial Workshop, April 2017, Chicago, IL.
38. * **LeMasters, K.** Determinants of Health in Navajo Nation. Science, Society, and the Arts 6, March 2015, Lexington, VA.
39. * **LeMasters, K.** Does Decentralization Influence Health in Ghana? National Council on Undergraduate Research, April 2015, Spokane, WA.

Selected Conference Posters (* *Presenting Author*)

1. * Craft, B., Macht, A., Clifton, M., **LeMasters, K.** "They shouldn't have to go through that:" Improving mental health and substance use needs during jail incarceration and while on probation in Colorado. Drug Policy Alliance, Reform Conference, November 2025. Detroit, MI.
2. Akatsu, G., Krueger, J., Pytell, J., Macht, A., **LeMasters, K.**, Christine, P. Characterizing participants in a novel Mediation for Opioid Use Disorder program in Colorado prisons. Department of Medicine Fall Poster Research Session, University of Colorado Anschutz, October 21st, 2025.
3. Macht, A., King, L., Clifton, M., Corrado, E., Langdon-Dimidjian, S., Eisenman, B., Roudbari, S., Ciplet, D., **LeMasters, K.** Health Impacts of Extreme Temperatures in Colorado Prisons. Department of Medicine Fall Poster Research Session, University of Colorado Anschutz, October 21st, 2025.
4. Macht A, Bernat O, Beaverson S, Pales D, Sitar S, Christine PJ, **LeMasters K**, Shoup JA, & Pytell JD. Access Denied: Revealing Real-World Barriers to Residential Addiction Care for People Who Use Wheelchairs. Department of Medicine Fall Poster Research Session, University of Colorado Anschutz, October 21st, 2025.
5. Nall, S., Jurecka, C., Craft, B., Christine, P., Barocas, J., **LeMasters, K.** "You Can't Incarcerate Yourself Out of the Drug Problem in America": The Burden of Additional Criminalization of Fentanyl. College on Problems of Drug Dependence, Annual Conference. Montreal, Canada, June 2024.
6. Behne, M.F., **LeMasters, K.**, Cullins, Z., Peterson, M., Waleed, C., Brinkley-Rubinstein, L. Engaging with Stakeholder Data to Advance the Third City Project's Aims. American Public Health Association, Annual Conference, Boston, MA, November 2022.
7. * **LeMasters, K.**, Renon, A., Zalla, L., Martin, C., Edwards, J. Understanding Accumulation of Health-Related Inequities Over the Life Course Using the Mean Cumulative Count. International Association of Population Health Sciences. September 2022. Minneapolis, MN.
8. Castonguay, B., **LeMasters, K.**, Brinkley-Rubinstein, L. Retention Strategies in the First Pre-Exposure Prophylaxis (PrEP) Observational Cohort among those on Community Supervision in the South: Lessons Learned During the SARS-COV-2 Pandemic. International AIDS Conference. Montreal, Canada. July 2022.

9. * **LeMasters, K.**, Renson, A., Edwards, J., Robinson, W., Brinkley-Rubinstein, L., Delamater, P., Pence, B. Inequities in Life Course Involvement in the Criminal Legal System: Moving Beyond Incarceration. Society for Epidemiologic Research. June 2022. Chicago, IL.
10. * **LeMasters, K.**, Staley, B., Bates, L., Chung, E., Hagaman, A., Scherer, E., Sikander, S., Maselko, J. Adverse Childhood Experiences and Maternal Depression in Rural Pakistan. International Association of Population Health Sciences, October 2020, Virtual due to COVID-19.
11. * **LeMasters, K.**, Brinkley-Rubenstein, L., Corsi, C., Mollan, K., Morgan, S., Karjewski, T. HIV Prevention Among Formerly Incarcerated Individuals: The Southern Pre-Exposure Prophylaxis (PrEP) Cohort Study. International Association of Population Health Sciences, October 2020, Virtual due to COVID-19.
12. Bledsoe, S. E., **LeMasters, K.**, Pevia, K., Brooks, J., Godown, E., & Byrd, R. for the MI-PHOTOS Team. Building Community-based Participatory Research Partnerships with Majority-Minority Communities: Research Methods to Promote Racial, Social, and Political Justice. Society for Social Work and Research 26th Annual Conference, January 2022, Washington, DC.
13. * Hagaman, A., **LeMasters, K.**, Zivich, P., Sikander, S., Maselko, J. Causal model of the association of social support from pregnancy to postpartum on maternal depression. Population Association of America Annual Meeting, April 2020, Virtual due to COVID-19.
14. * Stoner, M., Mitchell, J., Maragh-Bass, A., **LeMasters, K.**, Bhushan, N., Lightfoot, A., Riggins, L., Ritchwood, T., Pettifor, A., Sikkema, K., Golin, G. A Community-based approach to understanding PrEP care in at-risk adolescents. The American Public Health Association. November 2019. Philadelphia, PA.
15. * **LeMasters, K.**, Andrabi, N., Zalla, L., Gallis, J., Turner, E., Sikander, S., Maselko, J. Cultural postpartum practices and depression in rural Pakistan. International Association of Population Health Sciences. October 2019, Seattle, WA.
16. Tumlinson K., **LeMasters K.**, Curtis S. Hiding in the Blind Spot: In-Depth Provider Perspectives on Facility-Level Barriers to Contraceptive Access. International Conference on Family Planning, November 2018, Kigali, Rwanda.
17. Bengtson, A., Gaynes, B., Hosseinipour M., Kulisewa, K., Kutengule, A., **LeMasters, K.**, Meltzer-Brody, S., Midiani, D., Mphonda, S., Pence, B., Udedi, M. "Pain in my heart": Understanding perinatal depression among women living with HIV in Malawi. College of Medicine Research Dissemination Conference. November 2018, Lilongwe, Malawi.
18. * Costenbader, E., **LeMasters, K.**, Zissette, S., Dagadu, N., Martinez, A., Shaw, B. Social Norms and Family Planning Use in Kinshasa, Democratic Republic of the Congo. Population Association of America Annual Meeting, April 2018, Denver, CO.
19. * **LeMasters, K.**, McGuire, C., Calhoun, L., Speizer, I. Assessing Social Norms Around Family Planning in Urban Nigeria: Employing a Vignette Approach. Population Association of America Annual Meeting, April 2018, Denver, CO.
20. * **LeMasters, K.**, Wallis, A., Chereches, R., Gichane, M., Tehei, C., Varga, A., and Tumlinson, K. The Pregnancy Experiences of Women in Rural Communities in Cluj County, Romania: Understanding Ethnic and Social Disparities. Association for Public Policy Analysis and Management Fall Research Conference, November 2017, Chicago, IL.

Public Speaking

1. Craft, B. & **LeMasters, K.** Do Jail Mandates Translate to Jail Policies? A Landscape Review of Colorado Jail Policies for Medication for Opioid Use Disorder. Colorado Consortium for Prescription Drug Abuse Prevention: Assisting Jails Meeting. December 2025, Virtual.
2. Padmanabhan, P., Christine, P., Pytell, J., **LeMasters, K.** Changes in Public Health and Safety Outcomes After Pueblo's Syringe Distribution Ban. Pueblo City Council, April 2025, Pueblo, CO.
3. **LeMasters, K.** Essak-Hernandez, B., Allen, C. Reentry and Access Panel. Panelist at Neighbors Service League at Washington and Lee University. March 2025, Virtual.
4. **LeMasters, K.**, Jackson, M., Lightfoot, A., Riggins, C. Community-Engaged Research for HIV Prevention with Youth, January 2022, Durham, NC.

5. **LeMasters, K.**, Atkins, K., Ahmadi, S. How Can We PrEP? A Photovoice Project. Presenter at a Partnership for a Healthy Durham: HIV/STI Sub-Committee, October 2018, Durham, NC.
6. **LeMasters, K.** Health in Developing Countries. Panel Discussant at the Association for Public Policy Analysis and Management Fall Research Conference, November 2017, Chicago, IL.
7. **LeMasters, K.** The Pregnancy Experiences of Women in Rural Communities in Cluj County, Romania: Understanding Ethnic and Social Disparities. Presenter at GillingsX Global Health: Mission Possible, March 2017, Chapel Hill, NC.
40. **LeMasters, K.** Engaging with Vulnerable Communities: A Global Perspective. Invited workshop leader at Bonner Congress, October 2016, Lexington, VA.

Invited Lectures

1. **LeMasters, K.** Participatory Research in Carceral Settings. Climate in Carceral Settings Community Advisory Board. February 2026. Aurora, CO.
2. **LeMasters, K.** Community Reentry and the Long Arm of the System. S248: Incarceration and Health. University of California San Francisco. February 2026. Virtual.
3. Craft, B., & **LeMasters, K.** Best Practices for Engaging People Who Use Drugs as Research Partners and Participants. Health Systems Node of the NIDA Clinical Trials Network. February 2026. Virtual.
4. **LeMasters, K.** Fundamentals of Social Epidemiology. THSS 720. Wake Forest University. November 2025. Virtual.
5. Christine, P., Craft, B., **LeMasters, K.** Examining the health impacts of Colorado's 2022 Fentanyl Criminalization Law (HB 22-1326). Right Response Colorado. October 2025. Virtual.
6. **LeMasters, K.** Research Methods Lightning Talk: Forensic Vulnerability Modeling. Confronting Climate Change in Correctional Facilities symposium. October 2025. Berkeley, CA.
7. **LeMasters, K.** The Epidemiology of Health Equity for those Impacted by Mass Incarceration. Department of Health & Behavioral Sciences. University of Colorado Denver. October 2025. Denver, CO.
8. **LeMasters, K.** The Epidemiology of Health Equity for those Impacted by Mass Incarceration. University of Colorado Clinical Ethics Education and Grand Rounds. September 2025. Virtual.
9. **LeMasters, K.** The Epidemiology of Health Equity for those Impacted by Mass Incarceration. University of Colorado Department of Epidemiology Seminar Series. May 2024. Aurora, CO.
10. **LeMasters, K.** Mass Incarceration and Health Equity. UNC EPID 799B. Introduction to Legal Epidemiology. April 2024. Virtual.
11. **LeMasters, K.** The Epidemiology of Health Equity for those Impacted by Mass Incarceration. University of Colorado Population Center Seminar Series. January 2024. Boulder, CO.
12. Frank, M., & **LeMasters, K.** Women's Health and Incarceration. OBGYN Resident Advocacy Education Series. December 2023, Aurora, CO.
13. **LeMasters, K.** Considerations of Race in Epidemiology. CU Anschutz EPID 7631. December 2023, Aurora, CO.
14. **LeMasters, K.** The Epidemiology of Health Equity for those Impacted by Mass Incarceration. Injury and Violence Prevention Center Research to Practice. October 2023. Aurora, CO.
15. Camplain, R. & **LeMasters, K.** Mass Incarceration and Health. Northwest Portland Area Indian Health Board. Introductory and Intermediate Epidemiology. June 2023. Virtual.
16. **LeMasters, K.** Panel for Securing Funding During the PhD. UCSF S248. January 2022, October 2022. Virtual.
17. **LeMasters, K.**, Behne, M., Waleed, C. Mass Incarceration and Health. UNC EPID 826. October 2021, October 2022, Chapel Hill, NC.
18. Bey, G. & **LeMasters, K.** Utilization of Race and Ethnicity in Epidemiologic Research. UNC EPID 704. September 2021. Virtual.
19. Bey, G. & **LeMasters, K.** Measurement Challenges in Health Equity Research. UNC NURS 960. June 2020. Virtual.
20. Chung, E., & **LeMasters, K.** Considerations of Race in Epidemiology Part II. UNC EPID 716. March 2020, Chapel Hill, NC.

21. **LeMasters, K.** Lessons learned from initiating community-based participatory research. UNC Buckley Public Service Scholars Training. March 2020, Chapel Hill, NC.
22. Matthews, D. & **LeMasters, K.** Race and social science quantitative research methods: considerations to move us closer to equity. UNC The Race Workshop. February 2020, Chapel Hill, NC.
23. Baxter, S., Chauvenet, C., **LeMasters, K.**, Wallace, D. Introduction to Public Health Research Methods. Elon University. November 2019, Burlington, NC.
24. **LeMasters, K.** PrEP, HIV Prevention, and Community-Based Approaches with Black Communities. Elon University. October 2019, Burlington, NC.
25. **LeMasters, K.** Understanding Perinatal Health Experiences Among Mothers in Robeson County, NC. UNC COMM 900/HBEH 690. November 2018, Chapel Hill, NC.
26. **LeMasters, K.** The Pregnancy Experiences of Women in Rural Communities in Cluj County, Romania: Understanding Ethnic and Social Disparities. Invited lecturer at the University of Louisville Department of Epidemiology and Population Health, March 2017. Virtual.

Referee

- Addiction Science & Clinical Practice
- AIDS Care
- American Journal of Public Health
- Archives of Women's Mental Health
- BMC Global and Public Health
- BMC Public Health
- BMC Psychiatry
- Clinical and Infectious Diseases
- Journal of Family Violence
- Journal of Health Care for the Poor and Underserved
- Health and Justice
- The Lancet Regional Health - Europe
- Paediatric and Perinatal Epidemiology
- PLoS ONE
- Social Science and Medicine

Abstract Reviewer

- Interdisciplinary Association for Population Health Sciences
- Society for Epidemiologic Research

Selected Media Coverage

- Dilworth, G. & Goldberg, M. Lack of care in Mississippi prisons turns treatable infection into life-threatening illness. [Mississippi Today](#). October 13, 2025.
- Lemon, L. Bringing humanity into the conversation. [WLU The Columns](#). September 24, 2025.
- Smith, Tyler. Overturned Pueblo syringe service program ban may have affected access to other harm reduction services for people who use drugs, ColoradoSPH research team finds. [CU Anschutz Newsroom](#). June 16, 2025.
- Bartolo, J. 'Unintended consequences': Study outlines impact of Pueblo's 2024 needle exchange ban. [Pueblo Chieftain](#). April 22, 2025.
- Crumpler, Rachel. Did prison have to 'be a death sentence' for man with mental illness? [NC Health News](#). April 7, 2025.

- Shaw, Tayler. Incarcerated People are Disproportionately Impacted by Climate Change, CU Doctors Say. [CU Anschutz Newsroom](#). March 3, 2025.
- Hastings, Matthew. Incarcerated Populations and Healthcare: Myths and Facts. [CU Anschutz Newsroom](#). August 27, 2024.
- Stahl, Aviva. 'He was a human being': US prisoners are dying from treatable conditions. [The Guardian](#). April 4, 2024.
- Crumpler, Rachel. How much do we know about suicide and self-harm that happen during incarceration? [NC Health News](#). November 21, 2023.