

Katherine LeMasters

katherine.lemasters@unc.edu | 325-232-2090

Statement of Purpose

Interdisciplinary researcher working at the intersection of social epidemiology and health equity with a focus on mass incarceration as a structural determinant of physical and mental health.

Summary of Qualifications

Quantitative and qualitative data collection and analysis • Building partnerships with communities experiencing health inequities in the United States and globally • Interview guide, scale, and survey development • Proficient in R, STATA, and SAS for quantitative and NVivo for qualitative analysis • Basic knowledge of ArcMaps, Excel, and SPSS for statistical analysis • Racial Equity Institute Phase I training • Proficient in conversational Romanian and basic French • CITI and HIPAA certified • Safe Zone Training

Education

University of North Carolina at Chapel Hill

Doctoral Candidate in Epidemiology

Dissertation: "Mass Probation: Individual and Community Effects of Probation on Mental Health Disparities"

Expected May 2023

Chapel Hill, NC

University of North Carolina at Chapel Hill

Master of Public Health in Maternal and Child Health

Master's Paper: "The Influence of Men's Social Networks and Social Norms on Family Planning in Benin"

May 2018

Chapel Hill, NC

Washington and Lee University

Bachelor of Arts in Economics and Global Politics; minor in Poverty and Human Capability

Honors Thesis in Economics: "The Effect of Social Support on Prenatal Smoking in Romania"

Honors Thesis in Politics: "The Power Relations of Healthcare Institutions in Ethnically Divided Societies"

Capstone in Poverty and Human Capability Studies: "Injustice in Healthcare - A Navajo Case Study"

GPA: 3.97/4.00

Phi Beta Kappa, Omicron Delta Epsilon, Pi Sigma Alpha, Phi Eta Sigma, Omicron Delta Kappa

May 2015

Lexington, VA

Academic International Experience

African Politics

SIT Study Abroad: Global Health and Development Policy

4/2015-5/2015

Accra, Ghana

2/2014-5/2014

Geneva, Switzerland and Rabat, Morocco

Selected Awards and Distinctions

2022	University of North Carolina - Graduate Certificate in Participatory Research
2021	Lifespan/Brown Criminal Justice Research Training Program pilot award
2021	The National Institutes of Minority Health and Health Disparities F31 Predoctoral Fellowship (F31MD017136)
2021	Lifespan/Brown Criminal Justice Research Program on Substance Use and HIV Scholar
2021	Health Services Research Predoctoral T32 Training Fellowship The Cecil G. Sheps Center

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 - Center for the Study of the American South Southern Futures Summer Research Grant
2020	University of North Carolina Office of the Provost Public Service Award for Engaged Research
2019, 2020	The North Carolina Translational and Clinical Sciences Institute Stakeholder Engagement Voucher
2019	University of North Carolina - Service Partnership Mini-Grant
2018-2019	Population Research Predoctoral T32 Training Fellowship The Carolina Population Center
2018, 2019	University of North Carolina - Graduate Student in Participatory Research Seed Grant
2018-2019	University of North Carolina - Community Engagement Fellowship
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
2017-2018	FHI 360-University of North Carolina Fellow
2017	University of North Carolina - Graduate Student Transportation Grant
2016-2017	University of North Carolina - Doctoral Merit Assistantship
2016	Honorable Mention Southwestern Social Science Association Conference Undergraduate Paper
2015-2016	Washington and Lee University - The Edwin A. Morris '26 Distinguished Research Grant
2015	Washington and Lee University - The Kim Family Prize for top research thesis in Economics
2015	Washington and Lee University - The Mapleson Award for Highest GPA in a Bachelor of Arts
2015	Washington and Lee University - Edward Lee Pinney Prize for commitment to scholarship
2015	Washington and Lee University - Nabors Service League Award for Volunteerism
2015	Washington and Lee University - Certificate of International Immersion
2015	Washington and Lee University - Schlegel Prize for International Studies

Professional Experience

<p>Consultant <i>Lifespan Transitions Clinic</i></p> <ul style="list-style-type: none"> ▪ 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. 	<p>3/2021-Present Providence, RI</p>
<p>Mental Health Epidemiologist <i>Division of Public Health, Injury and Violence Prevention Branch</i> <i>NC Department of Health and Human Services</i></p> <ul style="list-style-type: none"> ▪ Conducting data analysis on emergency department visits for mental health and substance use in the state of North Carolina. 	<p>2/2020-12/2021 Raleigh, NC</p>
<p>Research Assistant <i>UNC Re-Envisioning Health and Justice Lab (Dr. Lauren Brinkley-Rubenstein)</i></p> <ul style="list-style-type: none"> ▪ <i>Third City Project</i> <ul style="list-style-type: none"> ○ Conducting quantitative and policy analyses on mortality data and other publicly available health data in carceral settings. ○ Coordinating a Community Advisory Board to oversee democratization of carceral data. ▪ <i>The Southern Pre-Exposure Prophylaxis (PrEP) Cohort Study of Parolees</i> <ul style="list-style-type: none"> ○ 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. ▪ <i>The COVID Prison Project</i> <ul style="list-style-type: none"> ○ Conducting quantitative and policy analyses on the COVID-19 pandemic in carceral settings. ▪ <i>The Durham County Detention Center's Medication Assisted Treatment Program</i> 	<p>1/2020-Present Chapel Hill, NC</p>

- Conducting an analysis to evaluate the barriers, facilitators, and implementation considerations for Durham's Medication Assisted Treatment Program.

Research Assistant

2/2019-12/2021

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

Durham, NC

- Forming a community-academic partnership with adults and adolescents in Durham on HIV risk and PrEP.
- Facilitating workshops with community members to define priorities regarding HIV and PrEP.
- Conducting a mixed-methods assessment of PrEP awareness and acceptance.

**Eunice Kennedy Shriver National Institute of Child Health and Human Development
Pre-doctoral Trainee at the Carolina Population Center**

8/2017-Present

Chapel Hill, NC

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.
- Supporting data analysis on grandmother's involvement in child development and on the social determinants on child HPA-Axis biomarkers in rural Pakistan.

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

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

Principal Investigator

3/2017-Present

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

Pembroke, NC

- 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.
- Forming and facilitating a community advisory board around perinatal health and well-being.

Research Assistant

10/2019

Piedmont Health Services Pilot Award (Dr. Kathryn Wouk)

Chapel Hill, NC

- 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

Chapel Hill, NC

- 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)

Chapel Hill, NC

- 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

Washington, D.C.

- Finalized a toolkit of methodologies that measure social norms surrounding adolescent sexual and reproductive health around the world via a Learning Collaborative.
- Created an online searchable platform for initiatives measuring social norms for reproductive health.
- 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 Durham, NC
- Conducted factor analysis on measures of social norms for family planning in the Democratic Republic of the Congo and subsequently integrated measures into structural equation models.
 - Conducted social network analysis on high-risk HIV populations in urban areas.
 - Created a compendium of methodologies that measure social norms surrounding adolescent sexual and reproductive health around the world via a Learning Collaborative.
 - 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) Chapel Hill, NC
- Analyzed interview transcripts from healthcare providers on facility-level barriers to contraceptive access in Kenya which resulted in the development of presentations and manuscripts.
- Research Assistant** 8/2016-5/2017
Carolina Population Center – Measurement, Learning, and Evaluation Project for the Urban Reproductive Health Initiative (Dr. Ilene Speizer) Chapel Hill, NC
- Conducted literature reviews on sustainability evaluations in family planning in developing areas.
 - Analyzed quantitative data from a four-country study on family planning interventions.
 - Evaluated a randomized control trial on adolescent life skills curriculum in South Africa.
- Cluj School of Public Health International Fellow** 9/2015-7/2016
 Cluj, Romania
- 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.
- McJunkin Endowment for Student Engagement** 1/2015
Washington and Lee University-Provost Office Sanders, AZ
- Traveled to Navajo Nation to interview healthcare providers and integrated findings into thesis on institutional and behavioral factors affecting maternal health in divided societies.
- Summer Research Scholar** 5/2014-8/2014
Washington and Lee University - Politics Department Lexington, VA
- Conducted quantitative data analysis using Demographic and Health Surveys on how Ghana’s decentralization affects health.
 - Created a formal econometric model for decentralization’s effect on health.
- Evans Fund for International Student Experiences** 4/2014-5/2014
MAIA Research Project and Babes-Bolyai University Cluj, Romania
- Conducted primary data analysis to determine primary factors of prenatal smoking among Romanians.
 - Interviewed project staff and healthcare providers on maternal health and non-communicable disease.
 - Compiled a report on the transition from communism and its effects on maternal tobacco usage.
- Erik T. Woolley Fellowship** 6/2013-8/2013
West Africa AIDS Foundation Accra, Ghana
- Conducted a pilot survey on factors that determine HIV disclosure to partners and families.
 - Worked to establish formal structure for income generation activities in an HIV women support group.
- Shepherd Alliance Intern** 6/2012-8/2012
Refugee and Immigration Services at Caritas of Austin Austin, TX
- Served as a caseworker for refugee, immigrant, and low-income clients for their medical needs.
 - Collaborated with Medicaid for transgender clients and clients with PTSD and active tuberculosis.

Community & Campus Leadership & Involvement

- Abolitionist Public Health Student Network** 2022
- Collaborating with graduate students across the country to build abolition into public health curriculum, research, and campus relations.
- UNC Department of Epidemiology** 2019-2021
- Collaborating with faculty to create a racial equity lens within the epidemiology methods curriculum.
- Social Epidemiology Journal Club** 2019-2020
- Organizing and moderating journal clubs on theories and critical conversations in social epidemiology.
- Epidemiology and Justice** 2018-2020
- Organizing journal clubs, seminars, and events at the intersection of epidemiology and social justice.
- Triangle Empowerment Center: Triangle PrEP Workgroup Member** 2018-2020
Durham, NC
- Supporting 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
Durham, NC
- Participating in a community partnership to reduce HIV/STI occurrence in Durham.
- Student Health Action Coalition: HIV Counselor (2016-2019), Manager (2018-2019)** 2016-2019
Carrboro, NC
- Provided HIV and STI testing and counseling.
 - Established partnership with a community-based organization serving community members transitioning out of homelessness.
- The Arts Therapy Institute: Participatory Research Intern** 2018-2019
Carrboro, NC
- Supported a participatory evaluation of an art therapy group for refugee youth.
- Bridge Builders: Refugee Community Partnership** 2016-2018
Chapel Hill, NC
- Supported a newly arrived refugee family through tutoring and acclimation.
- Minority Student Health Conference: Speaker's Committee** 2016-2017
Chapel Hill, NC
- Invited and coordinating speakers for breakout sessions for student conference.
- English for Speakers of Other Languages (ESOL)** 2012-2015
President (2014-2015), Adult and English Education Chair (2013-2014) Lexington, VA
- Developed a partnership with Rockbridge County school system to extend tutoring and mentoring.
 - Established a tutoring program between college students and families and developed curriculum.
- Bonner Leader Program** 2011-2015
Lexington, VA
- 1,800 hours of leadership training and internship-based service.
 - Fourth-year Bonner program intern and class of 2015 representative on the Bonner Leadership Team.
- Community Academic Research Alliance: Student Researcher** 1/2015-5/2015
Lexington, VA
- Developed a survey for Spanish speakers regarding health, nutrition, and obesity.
 - Analyzed survey results in relation to nationally representative data and subsequently compiled a report.
- Community Academic Research Alliance: Intern for Service Leader & Research Experience** 2014-2015
Lexington, VA
- Implemented developmental training and curriculum for student leaders.

- Student Consulting: Project Leader** 2012-2015
- Group leader for business ventures in Quito, Ecuador; Manaus, Brazil; and Accra, Ghana. Lexington, VA
 - Group leader for business plan for an organization employing mentally and physically handicapped adults.
- General's Development Initiative: Consultant** 2013-2014
- Consultant for domestic group for Spanish-speaking community Lexington, VA
 - Developed a working report for potential partnership with the West Africa AIDS Foundation.
- Planning for a Globalized Tomorrow: Biannual Conference Board Member** 2013-2015
- Collaborated with professors and community members for conference on global issues. Lexington, VA
- Campus Kitchen Student Leader** 2012-2013
- Developed a partnership with ESOL to provide meals with in-home tutoring. Lexington, VA
 - Organized monthly community dinners for the Spanish speaking population.
- Habitat for Humanity** 2011-2012
- Conducted a needs assessment for extending services to the Spanish speaking population. Lexington, VA
- Omicron Delta Kappa Alpha Circle** 2013-2015
Vice President (2014-2015) Lexington, VA
- Organize initiations and serve on the Alumni and Staff Selection Committee.

Teaching and Mentoring

- Graduate Teaching Assistant**
- EPID 826: Introduction to Social Epidemiology 8/2021-12/2021
 - HBEH 720: Leading for Racial Equity 8/2019-12/2019
 - SPH 712: Methods & Measures for Public Health Practice 8/2019-12/2019
- Carolina Population Center Undergraduate Student Mentor**
- Mentored college juniors on population health projects and preparing for graduate school. 5/2019-8/2019

Research Publications

- **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)
- **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. doi:[10.1377/forefront.20220119.329328](https://doi.org/10.1377/forefront.20220119.329328)
- **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)
- **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://doi.org/10.1377/hblog20210818.753807>
- **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>

- **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>
- **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>
- **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/aeap.2021.33.1.16>
- **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>
- **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>
- **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>
- **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)
- Segule, M., **LeMasters, K.**, Peterson, M., Behne, M., Brinkley-Rubinstein, L. Incarcerated workers: overlooked as essential workers. *BMC Public Health* 22, 506 (2022). <https://doi.org/10.1186/s12889-022-12886-7>
- 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)
- Stoner, M., Bhushan, N., Maragh-Bass, A.C., Mitchell, J., Riggins, L., Walker, M., **LeMasters, K.**, Reese, B., Dearing, A., Debnam, S., Golin, C., Lightfoot, A., Pettifor, A. Using Participatory Methods to Assess PrEP Interest and Uptake Among Young People Living in the Southeastern US: A Mixed Methods Assessment. *AIDS Behav* (2021). <https://doi.org/10.1007/s10461-021-03519-y>
- Maner, M., **LeMasters, K.**, Lao, J., Cowell, M., Nowotny, K., Cloud, D., Brinkley-Rubinstein, L. COVID-19 in Corrections: Quarantine of Incarcerated People. *PLOS ONE* 16(10): e0257842. <https://doi.org/10.1371/journal.pone.0257842>
- Brinkley-Rubinstein L, **LeMasters K**, Nguyen P, Nowotny K, Cloud D, et al. (2021) The association between intersystem prison transfers and COVID-19 incidence in a state prison system. *PLOS ONE* 16(8): e0256185. <https://doi.org/10.1371/journal.pone.0256185>
- Sharif, M., Zaidi A., Waqas, A., Malik, A., Hagaman, A., Maselko, J., **LeMasters, K.**, Liaqat, R., Bilal, S., Bibi, T., Ahmad, I., Sikander, S., Rahman, A. (2021) Psychometric validation of the Multidimensional scale of perceived social support during pregnancy in rural Pakistan. *Frontiers in Psychology*. 12:601563. <https://doi.org/10.3389/fpsyg.2021.601563>.
- Hagaman, A., **LeMasters, K.**, Zivich, P., Sikander, S., Bates, L., Bhalotra, S., Chung, E., Zaidi, A., Maselko, J. (2021) Longitudinal effects of perinatal social support on maternal depression: a marginal structural modelling approach. *J Epidemiol Community Health*. <https://doi.org/10.1136/jech-2020-215836>
- Maselko, J., Sikander, S., Turner, E., Bates, L., Ahmad, I., Atif, N., Baranov, V., Bhalotra, S., Bibi, A., Bibi, T., Bilal, S., Biroli, P., Chung, E., Gallis, J., Hagaman, A., Jamil, A., **LeMasters, K.**, O'Donnell, K., Scherer, E., Sharif, M., Waqas, A., Zaidi, A., Zulfikar, S., & Rahman, A. Effectiveness of a peer-delivered, longer-duration psychosocial intervention on maternal depression and child development at 3 years of age : Results and lessons from a cluster randomized trial in Pakistan. *The Lancet Psychiatry*, 7:9, 775-787 (2020). [https://doi.org/10.1016/S2215-0366\(20\)30258-3](https://doi.org/10.1016/S2215-0366(20)30258-3)
- Chung, E., Hagaman, A., **LeMasters, K.**, Gallis, J., Turner, E., Sikander, S., Maselko, J. The contribution of grandmother involvement to child growth and development: an observational study in rural Pakistan. *BMJ Global Health* 2020;5:e002181. <https://doi.org/10.1136/bmjgh-2019-002181>

- Hagaman, A., Chung, E., Andrabi, N., **LeMasters, K.**, Gallis, J., Turner, E., Maselko, J. Observational analysis of social determinants of child HPA-Axis biomarkers at one year. *Journal of Affective Disorders*, 276: 1, 592-599 (2020) <https://doi.org/10.1016/j.jad.2020.07.053>
- 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>
- Costenbader E, Zissette S, Martinez A, **LeMasters K**, Dagadu NA, Deepan P, et al. (2019) Getting to intent: Are social norms influencing intentions to use modern contraception in the DRC? *PLoS ONE* 14(7): e0219617. <https://doi.org/10.1371/journal.pone.0219617>
- 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>
- Maragh-Bass, A.C., **LeMasters, K.**, Sanders, T., Dearing, A., Purcell, R., Harding, C., Mitchell, J, Stoner, M, Bhushan, N, Walker, M, Riggins, L., Golin, C., Pettifor, A., Lightfoot, A. Lessons Learned in Centering Youth Voices in HIV Prevention: The Adolescent Health Working Group. *Progress in Community Partnerships: Research, Education, and Action*. In Press.
- **LeMasters, K.**, Ranapurwala, S., Maner, M., Nowotny, K., Peterson, M., Brinkley-Rubinstein, L. COVID-19 Community Spread and Consequences for Prison Case Rates. Revise & Resubmit.
- **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). Revise & Resubmit.
- **LeMasters, K.**, Cox, M.B., Fliss, M., Seibert, J., Brown, C., Proescholdbell, S. Mental Health and Overdose Emergency Department Visits: An Exploration of Case Definitions in North Carolina, 2019. Revise & Resubmit.
- **LeMasters, K.**, Maragh-Bass, A.C., Stoner, M., Bhushan, N., Mitchell, J., Riggins, L., Lightfoot, A. Lessons learned from conducting community-based research on HIV prevention with youth during COVID-19. Submitted.
- Ikram, N., Frost, A., **LeMasters, K.**, Hagaman, A., Baranov, V., Gallis, J., Sikander, S., Scherer, E., Maselko, J. Adverse Childhood Experiences and Implications of Perceived Stress, Anxiety, and Cortisol Among Women in Pakistan. Revise & Resubmit.
- Nowotny, K., **LeMasters, K.**, Brinkley-Rubinstein, L. Age Standardized COVID-19 Mortality for People in Prison and the General U.S. Population Over Time, April 27, 2020 – December 5, 2020. Revise & Resubmit.
- Hagaman, A., Bates, L., Atif, N., Chung, E., **LeMasters, K.**, Rahman, A., Saqib, K., Sikander, S., Maselko, J. Suicide ideation within and outside the perinatal period: An exploration of interpersonal factors from a maternal cohort in rural Pakistan to improve intervention targeting. Revise & Resubmit.
- McCauley, E., **LeMasters, K.** COVID-19: A Wake-up Call to Incorporate Mass Incarceration as a Socio-Structural Determinant of Health into Public Health Teaching, Research, and Practice. Under Review.
- Kulisewa, K., Dussault, J., Bengtson, A., Gaynes, B., Hosseinipour M., Go, V., Kutengule, A., **LeMasters, K.**, Meltzer-Brody, S., Midiani, D., Mphonda, S., Udedi, M. Pence, B., The Feasibility and Acceptability of a Task-Shifted Intervention for Perinatal Depression among Women Living with HIV in Malawi: A Qualitative Analysis. Submitted.
- Chung, E., Scherer, E., LeMasters, K., Bates, L., Hagaman, A., Staley, B., Zalla, L., Sikander, S., Maselko, J. Maternal adverse childhood experiences on child growth and development in rural Pakistan. Submitted.
- Cowan, K., Peterson, M., **LeMasters, K.**, Brinkley-Rubinstein, L. Overlapping Crises: Climate Disaster Susceptibility and Incarceration. Submitted.
- **LeMasters, K.** The 'African Story' of Chinese Investment. *The Washington and Lee Political Review*. 2013, 33(2): 1-13.

Book Chapters

- 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*)

- * **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.
- * **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.
- 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.
- * **LeMasters, K.**, McCauley, E., Nowotny, K., Brinkley-Rubinstein, L. COVID-19 Cases and Testing in 53 Prison Systems. Academic Consortium on Criminal Justice Health. 14th Annual Meeting, Virtual, April 2021.
- * **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 Health. 14th Annual Meeting, Virtual, April 2021.
- * **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 Health. 14th Annual Meeting, Virtual, April 2021.
- * **LeMasters, K.**, Krajewski, T. Brinkley-Rubinstein, L. Screening into the Southern Pre-Exposure Prophylaxis Study (SPECS). Academic Consortium on Criminal Justice Health. 14th Annual Meeting, Virtual, April 2021.
- 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.
- * 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.
- 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.
- * 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.
- * **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.
- * **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.

- * 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.
- * **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.
- 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.
- * **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.
- * **LeMasters, K.** Determinants of Health in Navajo Nation. Science, Society, and the Arts 6, March 2015, Lexington, VA.
- * **LeMasters, K.** Does Decentralization Influence Health in Ghana? National Council on Undergraduate Research, April 2015, Spokane, WA.

Selected Conference Posters (* Presenting Author)

- * **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.
- * **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.
- 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.
- * 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.
- * 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.
- * **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.
- 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.
- 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.
- * Costenbader, E., **LeMasters, K.**, Zisette, 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.
- * **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.

- * **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

- **LeMasters, K.**, Jackson, M., Lightfoot, A., Riggins, C. Community-Engaged Research for HIV Prevention with Youth, January 2022, Durham, NC.
- **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.
- **LeMasters, K.** Health in Developing Countries. Panel Discussant at the Association for Public Policy Analysis and Management Fall Research Conference, November 2017, Chicago, IL.
- **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.
- **LeMasters, K.** Engaging with Vulnerable Communities: A Global Perspective. Invited workshop leader at Bonner Congress, October 2016, Lexington, VA.

Invited Lectures

- Bey, G. & **LeMasters, K.** Utilization of Race and Ethnicity in Epidemiologic Research. UNC EPID 704. September 2021, Chapel Hill, NC.
- Bey, G. & **LeMasters, K.** Measurement Challenges in Health Equity Research. UNC NURS 960. June 2020, Chapel Hill, NC.
- Chung, E., & **LeMasters, K.** Considerations of Race in Epidemiology Part II. UNC EPID 716. March 2020, Chapel Hill, NC.
- **LeMasters, K.** Lessons learned from initiating community-based participatory research. UNC Buckley Public Service Scholars Training. March 2020, Chapel Hill, NC.
- 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.
- Baxter, S., Chauvenet, C., **LeMasters, K.**, Wallace, D. Introduction to Public Health Research Methods. Elon University. November 2019, Burlington, NC.
- **LeMasters, K.** PrEP, HIV Prevention, and Community-Based Approaches with Black Communities. Elon University. October 2019, Burlington, NC.
- **LeMasters, K.** Understanding Perinatal Health Experiences Among Mothers in Robeson County, NC. UNC COMM 900/HBEH 690. November 2018, Chapel Hill, NC.
- **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, Louisville, KY.

Referee

- Archives of Women's Mental Health
- BMC Public Health
- BMC Psychiatry
- Clinical and Infectious Diseases
- Journal of Family Violence
- Paediatric and Perinatal Epidemiology
- PLoS ONE