**Alina A. Luke, MPH**

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Education

2020 – Present PhD Student, Behavioral, Social, and Health Education Sciences

Emory University Rollins School of Public Health, Atlanta, GA

2018 Master of Public Health (MPH), Epidemiology and Biostatistics

Washington University in St. Louis Brown School of Social Work, St. Louis, MO

2016 Bachelor of Arts (BA), Political Science and Music

Macalester College, St. Paul, MN

Professional & Research Experience

2020 – Present Graduate Research Assistant (Dr. Whitney Rice, advisor), Behavioral, Social, and Health Education Sciences, Emory University Rollins School of Public Health, Atlanta, GA

2018 – 2020 Statistical Data Analyst, Cardiology Division, Washington University School of Medicine, St. Louis, MO

2017 – 2018 Peer Educator, StatLab, Washington University in St. Louis Brown School of Social Work, St. Louis, MO

2016 – 2018 Data Analyst & Masters Research Fellow, Health Communication Research Laboratory, Washington University in St. Louis Brown School of Social Work, St. Louis, MO

2017 – 2017 Data Visualization Intern, HRSA Maternal & Child Health Bureau Graduate Student Epidemiology Program, Iowa Department of Public Health, Des Moines, IA

2015 – 2015 Research Assistant, Washington University in St. Louis Brown School of Social Work, St. Louis, MO

2015 – 2015 Public Policy Intern, Planned Parenthood of the St. Louis Region, St. Louis, MO

2013 – 2013 Executive Intern, WomenWinning, St. Paul, MN

Honors, Fellowships, and Awards

2022 – Present HRSA-funded Maternal and Child Health Doctoral Scholar Fellowship, Emory University

2020 – Present Woodruff Fellowship, Emory University

2016 – 2018 Brown School Scholarship, Washington University in St. Louis

2012 – 2016 DeWitt Wallace Distinguished Scholarship, Macalester College

2012 – 2016 National Merit Scholarship

Teaching

Spring 2023 Teaching Assistant, Children with Special Healthcare Needs

Rollins School of Public Health

Spring 2022 Teaching Associate, Quantitative Data Analysis

Rollins School of Public Health

Fall 2021 Teaching Assistant, Socio-Behavioral Measurement

Rollins School of Public Health

Publications

Huang, K., Waken, R. J., **Luke, A. A.**, Carter, E. B., Lindley, K. J., & Joynt Maddox, K. E. (2023). Risk of delivery complications among pregnant people experiencing housing insecurity. *American journal of obstetrics & gynecology MFM*, *5*(2), 100819. https://doi.org/10.1016/j.ajogmf.2022.100819

Nobel, K., **Luke, A. A.**, & Rice, W. S. (2022). Racial disparities in pregnancy options counseling and referral in the US South. *Health Services Research*. https://doi.org/10.1111/1475-6773.14049

Rice, W. S., Redd, S. K., **Luke, A. A.**, Komro, K., Arriola, K. J., & Hall, K. S. (2022). Dispersion of contraceptive access policies across the United States from 2006 to 2021. *Preventive Medicine Reports*, 101827.

**Luke, A. A.**, Huang, K., Lindley, K. J., Carter, E. B., & Joynt Maddox, K. E. (2021). Severe Maternal Morbidity, Race, and Rurality: Trends Using the National Inpatient Sample, 2012-2017. *Journal of Women's Health*, *30*(6), 837-847. https://doi.org/10.1089/jwh.2020.8606

Elson, L. E., **Luke, A. A.**, Barker, A. R., McBride, T. D., & Joynt Maddox, K. E. (2021). Trends in Hospital Mortality for Uninsured Rural and Urban Populations, 2012‐2016. *The Journal of Rural Health*, *37*(2), 318-327. https://doi.org/10.1111/jrh.12425

Garg, R., Steensma, J. T., **Luke, A. A.**, Huang, K., Golla, B., Greer, R., & Maddox, K. E. J. (2021). Helpline Calls Associated With Preventable Emergency Department Utilization. *American Journal of Preventive Medicine*, *61*(5), 729-732.

Shashikumar, S. A., Waken, R. J., **Luke, A. A.**, Nerenz, D. R., & Joynt Maddox, K. E. (2021). Association of Stratification by Proportion of Patients Dually Enrolled in Medicare and Medicaid With Financial Penalties in the Hospital-Acquired Condition Reduction Program. *JAMA Internal Medicine*, *181*(3), 330-338. https://doi.org/10.1001/jamainternmed.2020.7386

Thangam, M., **Luke, A. A.**, Johnson, D. Y., Amin, A. P., Lasala, J., Huang, K., & Maddox, K. E. J. (2021). Sociodemographic differences in utilization and outcomes for temporary cardiovascular mechanical support in the setting of cardiogenic shock. *American Heart Journal*, *236*, 87-96. https://doi.org/10.1016/j.ahj.2020.12.014

Hammond, G., **Luke, A. A.**, Elson, L., Towfighi, A., & Joynt Maddox, K. E. (2020). Urban-Rural Inequities in Acute Stroke Care and In-Hospital Mortality. *Stroke*, *51*(7), 2131-2138. https://doi.org/10.1161/STROKEAHA.120.029318

Kreuter, M. W., Garg, R., Li, L., McNulty, L., Thompson, T., McQueen, A., & **Luke, A. A.** (2020). How Do Social Needs Cluster Among Low-Income Individuals? *Population Health Management*, *24*(3), 322-332. https://doi.org/10.1089/pop.2020.0107

Qi, A. C., **Luke, A. A.**, Crecelius, C., & Joynt Maddox, K. E. (2020). Performance and Penalties in Year 1 of the Skilled Nursing Facility Value-Based Purchasing Program. *Journal of the American Geriatrics Society*, *68*(4), 826-834. https://doi.org/10.1111/jgs.16299

Shashikumar, S. A., **Luke, A. A.**, Johnston, K. J., & Joynt Maddox, K. E. (2020). Assessment of HF Outcomes Using a Claims-Based Frailty Index. *JACC Heart Failure*, *8*(6), 481-488. https://doi.org/10.1016/j.jchf.2019.12.012

Truong, H. P., **Luke, A. A.**, Hammond, G., Wadhera, R. K., Reidhead, M., & Maddox, K. E. J. (2020). Utilization of Social Determinants of Health ICD-10 Z-Codes Among Hospitalized Patients in the United States, 2016-2017. *Medical Care*, *58*(12), 1037-1043. https://doi.org/10.1097/MLR.0000000000001418

Wang, X., **Luke, A. A.**, Vader, J. M., Maddox, T. M., & Joynt Maddox, K. E. (2020). Disparities and Impact of Medicaid Expansion on Left Ventricular Assist Device Implantation and Outcomes. *Circulation: Cardiovascular Quality and Outcomes*, *13*(6), e006284. https://doi.org/10.1161/CIRCOUTCOMES.119.006284

Qi, A. C., Peacock, K., **Luke, A. A.**, Barker, A., Olsen, M. A., & Maddox, K. E. J. (2019). Associations Between Social Risk Factors and Surgical Site Infections After Colectomy and Abdominal Hysterectomy. *JAMA Network Open*, *2*(10), e1912339. https://doi.org/10.1001/jamanetworkopen.2019.12339

Thompson, T., McQueen, A., Croston, M., **Luke, A. A.,** Caito, N., Quinn, K., Funaro, J., & Kreuter, M. W. (2019). Social Needs and Health-Related Outcomes Among Medicaid Beneficiaries. *Health Education & Behavior*, *46*(3), 436-444. https://doi.org/10.1177/1090198118822724

Presentations

Rice, W. S., Redd, S. K.\*, **Luke, A. A.**, Komro, K., Arriola, K. J., Hall, K. S. *Dispersion of Contraceptive Access Policies Across the United States from 2006 to 2021.* Presented as part of panel, “Reproductive and Maternal Health: The Role of Health Policies and Affordable Housing.” Association for Public Policy Analysis and Management Fall Research Conference. November 17-19, 2022. Washington, DC.

Rice, W. S., Redd, S. K.\*, **Luke, A. A.**, Komro, K., Arriola, K. J., Hall, K. S. *Dispersion of Contraceptive Access Policies Across the United States from 2006 to 2021.* Presented as part of panel, “Reproductive and Maternal Health: The Critical Role of Health Policies and Government Spending.” American Society for Health Economists (ASHEcon) Annual Conference. June 26-29, 2022. Austin, TX.

Nobel, K., **Luke, A. A.**, Rice, W. S. Racial Disparities in Pregnancy Options Counseling and Referral in the US South.

Oral presentation at American Public Health Association Annual Meeting. Denver, CO, October 2021.

Rice, W. S., Redd, S. K.\*, **Luke, A. A.**, Komro, K., Arriola, K. J., Hall, K. S. Dispersion of Contraceptive Access Policies across the United States from 2006 to 2017.

Poster presented at Society of Family Planning Annual Meeting. Online, October 2021.

**Luke, A. A.,** Huang, M., Lindley, K. J., Carter, E. B., Joynt Maddox, K. E. Severe maternal morbidity and rurality: Trends using the National Inpatient Sample, 2012-2016.

Poster accepted to present at ASHEcon. St. Louis, MO, June 2020. [Poster session canceled].

Hammond, G.\*, **Luke, A.** **A.**, Elson, L., & Joynt-Maddox, K. (2020). 5 Year Trends in Rural and Racial Inequities in Ischemic Stroke Treatment and Outcomes: An Analysis of the National Inpatient Sample.

Poster presented at American College of Cardiology Annual Meeting. Online, March 2020.

Thangam, M., **Luke, A. A.,** Amin, A. P., Lasala, J. M., & Joynt Maddox, K. E. (2020). Disparities in the Implantation of Mechanical Circulatory Support for Cardiogenic Shock.

Poster presented at American College of Cardiology Annual Meeting. Online, March 2020.

Qi, A.\*, **Luke, A. A.**, Crecelius, C., & Maddox, K. J. Association between Provider-Level Social Risk and Performance Under the Skilled Nursing Facility Value-Based Purchasing Program.

Poster presented at the Academy Health Annual Research Meeting. Washington D.C., June 2019.

Wang, X.\*, **Luke, A. A.,** Vader, J. M., Maddox, T. M., & Joynt Maddox, K. E. (2019). Disparities and impact of Medicaid expansion on left ventricular assist device implantation and outcomes.

Poster presented at Quality of Care and Outcomes Research Scientific Sessions. Arlington, VA, April 2019.

**Luke, A. A.** Planned Parenthood and the need for publicly funded contraceptive services in Title X Region VII.

Poster presented at Research Without Walls, Washington University. St. Louis, MO, April 2018.

McQueen, A.\*, Kreuter, M. W., Caburnay, C., Thompson, T., Roberts, C., & **Luke, A. A.** Unmet basic needs and cessation history among very low-income smokers.

Poster presented at the annual American Society of Preventive Oncology. New York, NY, March 2018.

Memberships

American Public Health Association; 2021-present.

Society for Family Planning; 2021-present

Service

Reviewer, Women & Health. 2023.

Reviewer, Social Work in Public Health. 2022.

Reviewer, Women’s Health Issues, 2022.

Abstract Reviewer, Women’s Health Section, AcademyHealth Annual Research Meeting, 2022-2023.

Equity, diversity, and inclusion workgroup, Emory University Department of Behavioral, Social, and Health Education Sciences, 2021.

Reviewer, American Journal of Public Health. 2021.

Reviewer, Sexuality Research and Social Policy, 2021.

Abstract Reviewer, *Healthy Moms and Babies: Paving the Path to Reproductive Equity.* Washington University Institute for Public Health 12th Annual Conference, 2019.