

Andrew D. Williams, PhD MPH

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Education

Ph.D. Maternal and Child Health
 University of Maryland, College Park, MD

M.P.H. Community Public Health
 New York University, New York, NY

B.S. Mass Communications: Public Relations
 Minnesota State University Moorhead, Moorhead, MN

Academic & Professional Experience

- July 2025 – Present **Associate Professor**, Public Health Program, School of Medicine and Health Sciences, University of North Dakota, Grand Forks, ND
- September 2019 – June 2025 **Assistant Professor**, Public Health Program, School of Medicine and Health Sciences, University of North Dakota, Grand Forks, ND
- June 2017 – June 2019 **Postdoctoral Research Fellow**, Epidemiology Branch, Division of Intramural Population Health Research, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD
- August 2012 – June 2017 **Graduate Research Assistant**, Department of Family Science, School of Public Health, University of Maryland, College Park, MD
- April 2017 – June 2017 **Student Volunteer**, Division of Health and Nutrition Examination Surveys, National Center for Health Statistics, Hyattsville, MD
- August 2015 – December 2015 **Student Volunteer**, Office of Analysis and Epidemiology, National Center for Health Statistics, Hyattsville, MD
- December 2009 – July 2012 **Project Coordinator**, North Dakota Fetal Alcohol Syndrome Center, Department of Pediatrics, School of Medicine and Health Sciences, University of North Dakota, Grand Forks, ND

Current grant/contract support

Extramural funding

4. *North Dakota Maternal and Child Health Workforce Capacity*. North Dakota Department of Health & Human Services. Contract. G23.1098. 2024-Present. My Role: Principal Investigator (10% Effort). Total award: \$94,165.

Purpose: To produce reports on health status of American Indian women and children in North Dakota using PRAMS and North Dakota Fatherhood Survey data, as well as other identified data sources as needed. These reports will include policy analysis and provide recommendations related to maternal and child health outcomes in the state.

3. *North Dakota Perinatal Quality Collaborative*. Health Resources & Services Administration:

Maternal & Child Health Bureau. HRSA-23-066 Alliance for Innovation on Maternal Health (AIM) Capacity. 1 A30MC50013-01-00. 2023-Present. My role: Principal Investigator/Executive Director (5% effort). Award to date: \$400,000.

Purpose: Build capacity for the North and South Dakota Perinatal Quality Collaborative to implement quality improvement projects. A 4-year award, with a focus on perinatal substance use disorders, then reducing maternal hemorrhage, followed by a project to reduce primary cesarean deliveries, with community and maternal mortality review committee to inform year-4 projects.

2. *North Dakota Perinatal Quality Collaborative.* Centers for Disease Control and Prevention Statewide Perinatal Quality Collaboratives. 1 NU58DP007252-01-00. 2022-Present. My Role: Principal Investigator/Executive Director (8% effort). Award to date: \$916,300.

Purpose: There is a large urban-rural disparity in how people access prenatal care in North Dakota, with rural people often starting care at a non-birthing facility and then switching care provider towards the end of pregnancy. We proposed to take a community-based participatory research approach to identify capacity and training needs for non-birthing hospital staff in order to ensure pregnant people are obtaining high quality prenatal care regardless of venue of care.

1. *Stress and Health in American Indian Pregnancies (SHAIP) Study.* NIH/NIGMS. 1P20GM139759 (sub award: 5898). Principal Investigator: Donald Warne (2021-2022); Jonathan Geiger (interim 2022-2025); Joel Steele (2025-present). 2021-Present. My Role: Project Leader (50% Effort). Award to date: \$1,077,284.

Purpose: To examine the association between maternal Adverse Childhood Experiences and obstetric and infant health among American Indian women and their infants in North Dakota. This project includes a component to collect primary survey data from pregnant participants, as well as a component to collect deidentified medical record data for patients meeting inclusion criteria that received prenatal care and labor/delivery services from a healthcare system in North Dakota.

Submitted

1. *Transforming Sexual Violence Prevention with the First Epidemiological Study of Perpetration.* PI: RaeAnn Anderson PhD, Co-PI: Heather McCauley ScD. My Role: Consultant (10% Effort). Submitted October 2024 to NIAAA. Total Direct Costs: \$2.7 million.

Purpose: Conduct the first epidemiological survey of sexual perpetration in a national sample of youth. This is a collaborative effort between the University of Missouri – Kansas City, Michigan State University, University of North Dakota, and NORC at the University of Chicago.

Completed grant/contract support

Extramural funding

2. *COVID-19 Health Disparities.* North Dakota Department of Health. Contract. G21.255. July 2021 – August 2024. My Role: Principal Investigator (2% Effort). Total award: \$135,516.

Purpose: To examine health disparities in pregnancy outcomes during the COVID-19 pandemic. We are also examining use of telemedicine services among pregnant women in North Dakota, as well as the impact of COVID-19 hospital policies on social support during delivery and postpartum. As the COVID-19 data from the state department of health was delayed, we transitioned to examining factors related to intimate partner violence and perinatal health outcomes.

1. *To Support Capacity Building for Implementation of the Substance Use Bundle for the North and South Dakota Perinatal Quality Collaborative.* American College of Obstetricians and Gynecologists.

2022-2023. My Role: Principal Investigator. Total award: \$52,000.

Purpose: To support the North and South Dakota Perinatal Quality Collaborative to implement the substance use bundle in our region. Funds were spent on building capacity, including hiring graduate assistants, speaker fees, meeting expenses, travel and miscellaneous items for NSDPQC.

Internal funding

1. *Maternal stress in pregnancy and placental function.* University of North Dakota School of Medicine and Health Sciences. 2020-2021. My Role: Principal Investigator. Total award: \$50,000.

Purpose: To examine the association between maternal perceived stress during pregnancy and placental function, as measured by placental pathology report and blood plasma analytes collected between 30-32 weeks gestation.

Student Fellowship Support

2. \$5,000 - Graduate School Summer Research Fellowship Summer 2015. University of Maryland, College Park, MD. (*Completed*)
1. \$5,000 - Dean's Fellowship 2013-2014. School of Public Health, University of Maryland, College Park, MD. (*Completed*)

Research-related awards

2. *Maternal care deserts and screening for drivers of maternal morbidity and mortality.* NIH/NIMHD. 2 L60 MD017794-02. NIH Loan Repayment Program. My Role: Principal Investigator. 2025-2027.

Purpose: To examine whether telehealth use mediates the relationship between residence in a maternal care desert and receipt of screening for maternal morbidity and mortality factors.

1. *Telehealth and pregnancy outcomes among American Indian women in North Dakota.* NIH/NIMHD. 1 L60 MD017794-01. NIH Loan Repayment Program. My Role: Principal Investigator. 2022-2024.

Purpose: To determine if telehealth is a mechanism with which AI/AN women in ND can more easily access prenatal care early in pregnancy, thus reducing disparities in early prenatal care and obstetric outcomes in this high-risk population.

Peer Reviewed Publications

^ student/trainee

43. ^Ingle C, Anderson R, & **Williams AD.** "Intersections of Sexual Orientation, Gender Identity, and Race/Ethnicity and Odds of Reporting Depression and Anxiety Symptomology in the Household Pulse Survey." *Journal of Mental Health.* (in press).
42. ^Stiller T, ^Kihlstrom AC, ^Sultana N, Njau G, Schmidt M, Stepanov A & **Williams AD.** "Use of telehealth did not mitigate persistent disparities in prenatal care access among American Indian women in North Dakota." *Journal of Rural Health.* July 12, 2025. <http://dx.doi.org/10.1111/jrh.70056>
41. ^Shropshire S, & **Williams AD.** "The protective effect of frequent religious service attendance on pregnancy loss." *Discov Public Health* **22**, 7 (2025). <https://doi.org/10.1186/s12982-025-00400-4>.
40. ^Kihlstrom AC, ^Stiller T, ^Sultana N, Njau G, Schmidt M, Stepanov A & **Williams AD.** "The impact of marriage on breastfeeding duration: Examining the disproportionate effect of COVID-19 on

- marginalized communities.” *Int Breastfeed J* **20**, 1 (2025). <https://doi.org/10.1186/s13006-024-00698-x>
39. Martinez V, Yen IH, Alvarez C, **Williams AD** & Ha S. “Exposure to environmental chemicals and infertility among US reproductive-aged women.” *Int. J. Environ. Res. Public Health* 2024, 21(12), 1541; <https://doi.org/10.3390/ijerph21121541>
 38. ^Schultz K, Ha S, & **Williams AD**. “Gestational Diabetes and Subsequent Metabolic Dysfunction: An NHANES Analysis (2011-2018).” *Metab Syndr Relat Disord*. 2024 Apr 17. <https://doi.org/10.1089/met.2023.0269>
 37. ^Stiffarm A, Morton S, Gunderson D, MacLaurin B, Redvers N, Shogren M, Wright T, & **Williams AD**. “A strategy to support perinatal mental health by collaborating with tribal communities in Montana.” *Health Affairs*. 43,NO. 4 (2024): 567–572. <https://doi.org/10.1377/hlthaff.2023.01449>
 36. ^Ross A, MacPherson C, ^Baker L, Kim S, Njau G, & **Williams AD**. “Impact of breastfeeding barriers on racial/ethnic disparities in breastfeeding outcomes in North Dakota.” *Journal of Racial and Ethnic Health Disparities*. 2024. <https://doi.org/10.1007/s40615-024-01943-z>
 35. ^Mauch, L. & **Williams, A.D.** “Joint exposure to urban-rural status, medically underserved area residence, and risk of severe COVID-19 outcomes in 2020.” *Rural and Remote Health*. 2023 Nov;23(4):8373. <https://doi.org/10.22605/RRH8373>.
 34. ^Schmidt L, ^Kanichy M, Njau G, Schmidt M, Stepanov A, Anderson R, ^Stiffarm, A, & **Williams AD**. “Adverse Childhood Experiences, Domestic Violence and Racial Disparities in Early Prenatal Care in North Dakota (ND PRAMS 2017-2019)”. *Journal of Interpersonal Violence*. 2024 Jan;39(1-2):237-262.Epub 2023 Aug 29. PMID: 37644756. <https://doi.org/10.1177/0886260523119580>.
 33. **Williams, A.D.**, ^Saizy, S., Mendola, P., Grobman, W., Subramaniam, A., Stevens, D., Mumford, S., Larson, K., Chen, Z., Messer, L., Duncan, V., Faye-Petersen, O., Kumar, R., “Prenatal exposure to perceived stress, maternal asthma, and placental size.” *Placenta*, 139(August 2023), 127-133; <https://doi.org/10.1016/j.placenta.2023.06.012>.
 32. ^Kanichy M, ^Schmidt L, Anderson R, Njau G, ^Stiffarm A, Schmidt M, Stepanov A, **Williams AD**. “Examining the role of interpersonal violence in racial disparities in breastfeeding in North Dakota (ND PRAMS 2017-2019).” *Int. J. Environ. Res. Public Health* 2023, 20(8), 5445; <https://doi.org/10.3390/ijerph20085445>
 31. ^Kim, S. & **Williams, A.D.** “Roles of income and acculturation in the Hispanic Paradox: Breastfeeding among Hispanic women.” *Maternal and Child Health Journal*. 2023 Jun;27(6):1070-1080. Epub 2023 Mar 29. PMID: 36988791. <https://doi.org/10.1007/s10995-023-03643-2>.
 30. Stevens, D., Yeung, E., Hinkle, S.N., Grobman, W., **Williams, A.D.**, Ouidir, M., Kumar, R., Lipsky, L.M., Rohn, M., Kanner, J., Sherman, S., Chen, Z., Mendola, P. “Maternal asthma in relation to infant size and body composition.” *The Journal of Allergy and Clinical Immunology: Global*. 2023 Aug;2(3):100122. Epub 2023 May 30. PMID: 37485032; PMCID: PMC10361394. <https://doi.org/10.1016/j.jacig.2023.100122>.
 29. Stevens, D., Rohn, M., Hinkle, S., **Williams, A.D.**, Kumar, R., Lipsky, L., Grobman, W., Sherman, S., Kanner, J., Chen, Z., Mendola, P. “Maternal body composition and gestational weight gain in relation to asthma control during pregnancy.” *PLOS One*. 2022 April 20. DOI: doi.org/10.1371/journal.pone.0267122

28. ^Sebens, Z. & **Williams, A.D.** “Disparities in early prenatal care and barriers to access among American Indian and white women in North Dakota.” *The Journal of Rural Health*. 2022 Mar;38(2):314-322. Epub 2022 Feb 14. <https://doi.org/10.1111/jrh.12649>.
27. Ouidir, M., Tekola-Ayele, F., Canty, T., Grantz, K., Sciscione, A., Jones, R., Sundaram, R., **Williams, A.D.**, Stevens, D., & Mendola, P. “Acute Ambient air pollution and placental doppler results in the NICHD Fetal Growth Studies – Singleton Cohort.” *Environmental Research* 2021;202:111728. <https://doi.org/10.1016/j.envres.2021.111728>
26. **Williams, A.D.**, Ha, S., Shenassa, E., Messer, L.C., ^Kanner, J., Mendola, P. “Joint effects of ethnic enclave residence and air pollution exposure on risk of gestational diabetes mellitus among Asian/Pacific Islander women in the United States.” *Environmental Health* **20**, 56 (2021). <https://doi.org/10.1186/s12940-021-00738-7>.
25. **Williams, A.D.**, ^Kanner, J., Grantz, K.L., Ouidir, M., Sheehy, S., Sherman, S., Robledo, C., & Mendola, P. “Air pollution exposure and risk of adverse obstetric and neonatal outcomes among women with type 1 diabetes.” *Environmental Research* 2021, 197, 111152. <https://doi.org/10.1016/j.envres.2021.111152>
24. Stevens, D., Grobman, W., Kumar, R., Lipsky, L.M., Hinkle, S.N., Chen, Z., **Williams, A.D.**, Rohn, M., Kanner, J., Sherman, S., & Mendola, P. “Gestational and postpartum weight trajectories among women with and without asthma.” *American Journal of Epidemiology*, 190(5), May 2021, 744-754. <https://doi.org/10.1093/aje/kwaa248>.
23. ^Kanner J, **Williams A.D.**, Nobles C, Ha S, Ouidir M, Sherman S, Mendola P. “Ambient temperature and stillbirth: Risks associated with chronic extreme temperature and acute temperature change.” *Environmental Research* 2020, 189. 109958 <https://doi.org/10.1016/j.envres.2020.109958>
22. Ha, S., Nobles, C., Kanner, J., Sherman, S., Cho, SH., Perkins, N., **Williams, A.D.**, Grobman, W., Biggio, J., Subramaniam, A., Ouidir, M., Chen, Z., & Mendola, P. “Air Pollution Exposure Monitoring Among Pregnant Women with and Without Asthma.” *International Journal of Environmental Research and Public Health* 2020, 17(13), 4888. <https://doi.org/10.3390/ijerph17134888>
21. Shenassa, E. & **Williams, A.D.** “Concomitant exposure to area-level poverty, ambient air volatile organic compounds and cardiometabolic dysfunction: a cross-sectional study of U.S. adolescents.” *Annals of Epidemiology*, 48, August 2020, 15-22. <https://doi.org/10.1016/j.annepidem.2020.05.014>
20. **Williams, A.D.**, Messer, L., ^Kanner, J., Ha, S., Grantz, K. & Mendola, P. “Ethnic enclaves and pregnancy and behavior outcomes among Asian/Pacific Islanders in the United States.” *Journal of Racial and Ethnic Health Disparities*, 2020 7:224-233, <https://doi.org/10.1007/s40615-019-00650-4>
19. Mendola, P., Nobles, C., **Williams, A.D.**, Sherman, S., Kanner, J., Seeni, I., & Grantz, K. “Air pollution and preterm birth: Do air pollution changes over time influence risk in consecutive pregnancies among low-risk women?” *International Journal of Environmental Research and Public Health* 2019, 16(18), 3365; <https://doi.org/10.3390/ijerph16183365>
18. ^Seeni, I., **Williams, A.D.**, Nobles, C., Chen, Z., Sherman, S., Mendola, P., “Acute air pollution exposure and NICU admission: a case-crossover analysis.” *Annals of Epidemiology*, September 2019, Volume 37. 64-70.e2. <https://doi.org/10.1016/j.annepidem.2019.07.008>
17. **Williams, A.D.**, Grantz, K., ^Seeni, I., Robledo, C., Li, S., Ouidir, M., Nobles, C. & Mendola, P. “Obstetric and neonatal complications among women with autoimmune disease.” *Journal of Autoimmunity*, 2019 Sep, 103, 102287. <https://doi.org/10.1016/j.jaut.2019.05.015>

16. Nobles, C., **Williams, A.D.**, Ouidir, M., Sherman, S., Mendola, P., “Differential effect of ambient air pollution exposure on risk of gestational hypertension and preeclampsia.” *Hypertension*, 2019, 74, 384-390. <https://doi.org/10.1161/HYPERTENSIONAHA.119.12731>.
15. **Williams, A.D.** & Shenassa, E. “Sex-specific associations between area deprivation and cardiometabolic dysfunction among U.S. adolescents.” *Public Health Reports*. 2020;135(1):47-55. doi:[10.1177/0033354919884303](https://doi.org/10.1177/0033354919884303)
14. **Williams, A.D.**, Grantz, K., Zhang, C., Nobles, C., Sherman, S., & Mendola, P. “Ambient volatile organic compounds and racial/ethnic differences in gestational diabetes mellitus: Are Asian/Pacific Islander women at greater risk?” *American Journal of Epidemiology*, 2019, 188(2), 389-397. <https://doi.org/10.1093/aje/kwy256>
13. Nobles, C., Grantz, K., Liu, D., **Williams, A.D.**, Ouidir, M., Seeni, I., Sherman, S. & Mendola, P. “Ambient air pollution and fetal growth restriction: physician diagnosis of intrauterine growth restriction versus population small-for-gestational age measures.” *Science of the Total Environment*, 2019, 650(2), 2641-2647. <https://doi.org/10.1016/j.scitotenv.2018.09.362>
12. †**Williams, A.D.**, Shenassa, E., Slopen, N., & Rossen, L. “Cardiometabolic dysfunction among U.S. adolescents and area-level poverty: race/ethnicity-specific associations.” *Journal of Adolescent Health*, 2018, 63(5), 546-553. <https://doi.org/10.1016/j.jadohealth.2018.07.003>
 † This manuscript was considered in an editorial in the same issue of *Journal of Adolescent Health*. Hartz, J & Powell-Wiley, TM. Locations! Location! Location? Elucidating the Social Determinants of Cardiometabolic Health Among United States Adolescents. *Journal of Adolescent Health*, 2018, 63(5), 519-520. <https://doi.org/10.1016/j.jadohealth.2018.08.001>
11. **Williams, A.D.**, Wallace, M.E., Nobles, C., & Mendola, P. “Racial Residential Segregation and Racial Disparities in Stillbirth in the United States.” *Health & Place*, 2018, 51, 208-216. <https://doi.org/10.1016/j.healthplace.2018.04.005>
10. **Williams, A.D.**, Nkombo, Y., Nkodia, G., Leonardson, G., Martsolf, K., & Burd, L. “Effectiveness of a Novel Low Cost Intervention to Reduce Prenatal Alcohol Exposure in the Congo.” *Open Journal of Pediatrics*, 2014, 4, 84-92. doi: [10.4236/ojped.2014.41012](https://doi.org/10.4236/ojped.2014.41012).
9. **Williams, A.D.**, Nkombo, Y., Nkodia, G., Leonardson, G., & Burd, L. “Prevalence of Smoking During Pregnancy and Associated Risk of Increased Prenatal Alcohol Exposure in the Republic of the Congo.” *The International Journal Of Alcohol And Drug Research*, 2014, 3(1), 105-111. <http://www.ijadr.org/index.php/ijadr/article/view/131>
8. Kim, J., Braun, B., & **Williams, A.D.** “Understanding Health Insurance Literacy: A Review of Literature.” *Family and Consumer Sciences Research Journal*, 42(1), September 2013: 3-13. <http://onlinelibrary.wiley.com/doi/10.1111/fcsr.12034/abstract>
7. **Williams, A.D.**, Nkombo, Y., Nkodia, G., Leonardson, G., & Burd, L. “Prenatal Alcohol Exposure in the Republic of the Congo: Prevalence and Screening Strategies.” *Birth Defects Research Part A: Clinical and Molecular Teratology*. 2013 Jul; 97(7):489-96. <http://www.ncbi.nlm.nih.gov/pubmed/23670862>
6. Burd, L., Miles, J., Peng, C.Z., Kerbeshian, J., & **Williams, A.D.** “A Review of Pregnancy Risk Markers in Tourette Syndrome: A Systematic Review.” *Open Journal of Pediatrics*. 2012, 2: 18-26. <http://www.scirp.org/journal/PaperInformation.aspx?paperID=17990>
5. Paintner, A., **Williams, A.D.**, & Burd, L. “Fetal Alcohol Spectrum Disorders: Implications for Child Neurology. Part 1: Prenatal Exposure and Dosimetry.” *Journal of Child Neurology*. 2012, 27 (2): 258-263. <http://www.ncbi.nlm.nih.gov/pubmed/22351188>

4. Paintner, A., **Williams, A.D.**, & Burd, L. “Fetal Alcohol Spectrum Disorders: Implications for Child Neurology. Part 2: Diagnosis and Management.” *Journal of Child Neurology*. 2012, 27 (3): 355-362. <http://www.ncbi.nlm.nih.gov/pubmed/22241713>
3. Li, Q., Fisher, W., Peng, C.Z., **Williams, A.D.**, & Burd, L. “Fetal alcohol spectrum disorders: A population based study of premature mortality rates in mothers.” *Maternal & Child Health*. 2012 Aug;16(6):1332-7. <http://www.ncbi.nlm.nih.gov/pubmed/21710184>
3. Burd, L., Fast, D., Conry, J., & **Williams, A.D.** “Fetal Alcohol Spectrum Disorders as a marker for increased risk of involvement with Correction Systems.” *The Journal of Psychiatry and Law*. Winter 2010, 38 (4): 559-584. <http://plx.sagepub.com/content/38/4/559.short>
1. **Williams, A.D.**, Zraik, D., Schiavo, R., & Hatz, D. “Raising Awareness of Sustainable Food Issues and Building Community via the Integrated Use of New Media with other Communication Approaches.” *Cases in Public Health Communication & Marketing*. 2008, 2:159-177.

Submitted Manuscripts

6. Thorsen M & **Williams AD**. “How Rural People Access Obstetric Care: The Role of Obstetric Bypassing.”
5. **Williams AD**, Anderson R, Schroeder S, Njau G, ^Stiller T, ^Sultana N, ^Kihlstrom AC & Schmidt L. “Urban-rural differences in maternal interpersonal violence screening before and during the COVID-19 Pandemic in North Dakota.”
4. **Williams, A.D.**, ^Schmidt, L., ^Wilson-Peltier, J., ^Shropshire, S., Njau, G., Schmidt, M., Stepanov, A., & Anderson, R. “Childhood adversity predicts intimate partner violence among American Indian women.”
3. ^Sultana N, Schmidt L, Njau G, Schmidt M, Stepanov A, Anderson R, Stiffarm A, ^Kihlstrom AC, ^Stiller T, & **Williams AD**. “Interpersonal violence during pregnancy partially mediates the association between Adverse Childhood Experiences and postpartum depression (ND PRAMS 2017-2020).”
2. ^Labuhn M, & **Williams AD**. “Adverse Childhood Experiences and Utilization of Preventive Healthcare among Children in Rural Communities in the United States (NHIS 2022).” (revise & resubmit)
1. Nobles, C., Purdue-Smithe, A., Kanner, J., Ouidir, M., **Williams, A.D.**, Sherman, S., Mendola, P. “Ambient air pollution exposure and infant sex: Exposure during critical windows for reproduction and the probability of male and female live birth.” (under review)

Invited Commentaries and Reviews

1. **Williams, AD**. ‘The problem with neighborhoods: Methodological issues with arbitrary administrative areas’ *Fertility and Sterility* (2023), doi: <https://doi.org/10.1016/j.fertnstert.2023.01.026>

Other Publications & Reports

5. Parisien, K.^ & Williams AD. “2025 North Dakota American Indian/Alaska Native Maternal Child Health Profile.” Prepared for North Dakota Department of Health & Human Services. May 2025.

4. Bayne, A, **Williams, AD.**, Kaffashi, M., Benson, N., Larson, S. “Grand Forks County, ND, Polk County, MN, Community Health Assessment 2022” Prepared for Altru Health System and Grand Forks Public Health Department.
<https://www.grandforksgov.com/home/showpublisheddocument/45628/638017703151270000>
3. **Williams, A.D.** “Sustaining Prenatal Care for Low Income Families.” Prepared for Mary’s Center, Adelphi, MD. June 2014.
2. **University of Maryland Extension Health Insurance Literacy Team.** “My Smart Choice Health Insurance Workbook.” College Park, MD: University of Maryland. August 2013.
https://extension.umd.edu/sites/default/files/_images/uploaded/My%20Smart%20Choice%20Workbo%20with%20cover%2012.6.13.pdf
1. **Williams, A.D.**, Nkombo, Y., Nkodia, G., Leonardson, G., & Burd, L. “Summary Report: One-Question Screening Initiative.” Prepared for the Congolese Ministry of Health, Brazzaville, Congo. May 2012.

Conference Presentations

**Presented by Andrew Williams; ^student/trainee*

Oral Presentations

19. ***Williams AD.** “Areas lacking obstetric care and screening for drivers of maternal morbidity and mortality.” Society for Pediatric and Perinatal Epidemiologic Research’s 38th Annual Meeting. Boston, MA. June 9-10, 2025.
18. Husna A, Antwi J, & **Williams AD.** “Development and implementation of a discharge plan for substance-exposed infants in North Dakota.” 2025 National Network of Perinatal Quality Collaboratives Annual Meeting. May 5-7, 2025. New Orleans.
17. Antwi J, Husna A, & **Williams AD.** “Extending perinatal quality improvement to non-birthing facilities in rural Northern Plains communities.” 2025 National Network of Perinatal Quality Collaboratives Annual Meeting. May 5-7, 2025. New Orleans.
16. ***Williams AD**, Shenassa E, & Pasternak B. “Physician Density, Racial Residential Concentration, and Adverse Perinatal Outcomes: A Hierarchical Study.” Society for Pediatric and Perinatal Epidemiologic Research 2025 Virtual Meeting. April 8, 2025.
15. ^Labuhn M, & **Williams AD.** “Adverse Childhood Experiences and Utilization of Preventive Healthcare among Children in Rural Communities in the United States (NHIS 2022).” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17, 2024.
14. ***Williams AD**, ^Stiller T, ^Kihlstrom AC, & ^Sultana N. “Identifying intervention points for perinatal health: Analyses of North Dakota Pregnancy Risk Assessment Monitoring System data.” Clinical and Translational Science Collaborative of Northern Ohio and Michigan Institute for Clinical & Health Research Women’s Health Equity Un-meeting. Virtual. March 13, 2024.
13. ***Williams, A.D.**, ^Schmidt, L., ^Wilson-Peltier, J., ^Shropshire, S., Njau, G., Schmidt, M., Stepanov, A., & Anderson, R. “Childhood adversity predicts intimate partner violence among American Indian women.” American College of Epidemiology 2023 annual meeting. Virtual. September 2023.
12. ^Kanichy M, ^Schmidt L, Njau G, Schmidt M, Stepanov A, **Williams, A.D.** “Exposure to Domestic Violence & Racial Disparities in Breastfeeding in North Dakota (ND PRAMS 2012-2019).” 2022 CityMatCH Leadership and MCH Epidemiology Conference. Chicago. September 2022.

11. ***Williams, A.D.** “Fetal mortality in the context of the COVID-19 pandemic.” 33rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Virtual. June 22, 2021.
10. Shenassa, E.D & **Williams, A.D.** “Synergy between environmental and socio-structural determinants of health.” American College of Epidemiology 2020 Annual Meeting, virtual, September 21-24 2020.
9. Mendola, P., Nobles, C., **Williams, A.D.**, Ouidir, M., Sherman, S., Kanner, J., & Grantz, K. “High peak PM_{2.5} exposure during pregnancy and preterm birth risk in Utah, United States.” 31st Annual Conference of the International Society for Environmental Epidemiology. August 2019.
8. Nobles, C., Schisterman, E., Ouidir, M., **Williams, A.D.**, Kanner, J., Louis, G.B., Sherman, S., & Mendola, P. “Accounting for intercourse in the relationship of ambient temperature with fecundability.” 31st Annual Conference of the International Society for Environmental Epidemiology. August 2019.
7. Shenassa, E.D. & ***Williams, A.D.** “Air pollution, poverty, and cardiometabolic dysfunction among United States adolescents.” 2019 Society for Epidemiologic Research Annual Meeting, Minneapolis. June 2019.
6. [^]Kanner, J., **Williams, A.D.**, Nobles, C., Ouidir, M., & Mendola, P. “Ambient temperature and acute risk of stillbirth.” 2019 Society for Epidemiologic Research Annual Meeting, Minneapolis. June 2019.
5. Nobles, C., Purdue-Smithe, A.C., Ouidir, M., **Williams, A.D.**, Kanner, J., Sherman, S., & Mendola, P. “Ambient air pollution during preconception and peri-implantation and odds of male versus female birth.” 2019 Society for Epidemiologic Research Annual Meeting, Minneapolis. June 2019.
4. ***Williams, A.D.**, Wallace, M.E., Nobles, C., & Mendola, P. “Racial Residential Segregation and Racial Disparities in Stillbirth in the United States.” 2018 Society for Epidemiologic Research Annual Meeting, Baltimore. June 2018.
3. Nobles, C., Grantz, K., Liu, D., Schisterman, E., Seeni, I., Sherman, S., **Williams, A.D.** & Mendola, P. “Ambient air pollution and fetal growth restriction: physician diagnosis of intrauterine growth restriction versus population small-for-gestational age measures.” 2018 Society for Epidemiologic Research Meeting, Baltimore. June 2018.
2. ***Williams, A.D.** & Hofferth, S. “Examining birth outcomes hotspots in Maryland.” 2015 American Public Health Association Annual Meeting, Chicago. Nov. 2015.
<https://apha.confex.com/apha/143am/webprogram/Paper324254.html>
1. **Williams, A.D.** & Hofferth, S. “Poverty, Race, and Birth Outcomes: An Ecologic Study in Maryland.” 2014 Graduate Research Interaction Day, University of Maryland, College Park, MD, April 2014.

Poster Presentations

88. Martinez V, Bradman A, Young ME, **Williams AD** & Ha S. “Association between maternal residence in ethnic enclaves and adequate prenatal care utilization among Latinas in California.” Society for Pediatric and Perinatal Epidemiologic Research’s 38th Annual Meeting. Boston, MA. June 9-10, 2025.
87. [^]Siegle R, [^]Schroeder M, Lutz D & **Williams AD.** “Examining the rural-urban divide in VBAC rates: A multi-state study.” Society for Pediatric and Perinatal Epidemiologic Research’s 38th Annual Meeting. Boston, MA. June 9-10, 2025.

86. ^Schroeder M, ^Siegle R, Lutz D & **Williams AD**. “Stress and Pregnancy Outcomes: Investigating the Link between Stressful Life Events and Stillbirth” Society for Pediatric and Perinatal Epidemiologic Research’s 38th Annual Meeting. Boston, MA. June 9-10, 2025.
85. Antwi J, Husna A, ^Bergeron R, ^Parisien K, & ***Williams AD**. “Higher Postpartum Diabetes Screening Rates Among Rural Women with Gestational Diabetes in North Dakota (2017-2021).” Society for Pediatric and Perinatal Epidemiologic Research’s 38th Annual Meeting. Boston, MA. June 9-10, 2025.
84. Husna A, Antwi J, ^Bergeron R, ^Parisien K, & ***Williams AD**. “Postpartum Depression Screening disparity among American Indian Women in urban & rural setting of North Dakota.” 2025 Society for Epidemiologic Research Conference. Boston, MA. June 10-13.
83. Antwi J, Husna A, & **Williams AD**. “Higher Postpartum Diabetes Screening Rates Among Rural Women with Gestational Diabetes in North Dakota (2017-2021).” Dakota Conference on Rural and Public Health. Bismarck, ND. June 2025.
82. Husna A, Antwi J, & **Williams AD**. “Postpartum Depression Screening disparity among American Indian Women in urban & rural setting of North Dakota.” Dakota Conference on Rural and Public Health. Bismarck, ND. June 2025.
81. Antwi J, Husna A, & **Williams AD**. “Extending perinatal quality improvement to non-birthing facilities in rural Northern Plains communities.” 2025 North Dakota Public Health Conference. May 19-21, 2025. Bismarck, ND.
80. ^Pandey S, Husna A, Antwi J, Craft E & **Williams AD**. “Mapping North Dakota’s Perinatal Mental Health Resources.” 2025 North Dakota Public Health Conference. May 19-21, 2025. Bismarck, ND.
79. Husna A, Antwi J, & **Williams AD**. “Development and implementation of a discharge plan for substance-exposed infants in North Dakota.” 2025 Alliance for Innovation in Maternal Health Annual Meeting. February 20-21, 2025. Washington, DC.
78. Antwi J, Husna A, & **Williams AD**. “Extending perinatal quality improvement to non-birthing facilities in rural Northern Plains communities.” 2025 Alliance for Innovation in Maternal Health Annual Meeting. February 20-21, 2025. Washington, DC.
77. ^Kihlstrom AC, ^Stiller T, ^Sultana N, Njau G, Schmidt M, Stepanov A & **Williams AD**. “The impact of marriage on breastfeeding duration: Examining the disproportionate effect of COVID-19 on low-income communities.” Advancing Health Equity Conference, University of North Dakota, October 2-2024. Grand Forks, ND. Virtual.
76. ^Sultana N, Schmidt L, Njau G, Schmidt M, Stepanov A, Anderson R, Stiffarm A, ^Kihlstrom AC, ^Stiller T, & **Williams AD**. “Interpersonal violence during pregnancy partially mediates the association between Adverse Childhood Experiences and postpartum depression (ND PRAMS 2017-2020).” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
75. ^Shropshire S, & **Williams AD**. “Association between religious service attendance and perinatal outcomes in the United States: a secondary analysis of the Future Families & Child Wellbeing Study.” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
74. ^Schlichting R, ^O’Hare D, ^Hanson C, Saizy S, Kumar R, Sherman S, Mendola P, Subramaniam A, & **Williams AD**. “Maternal asthma status modifies the relationship between placental size and infant

- size at birth.” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
73. ^O’Hare D, ^Schlichting R, ^Hanson C, Saizy S, Sherman S, Kumar R, Mendola P, Subramaniam A, & **Williams AD**. “The association between maternal lactogenic hormones and breastfeeding outcomes may differ by asthma status.” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
 72. ^Kihlstrom AC, ^Stiller T, ^Sultana N, Njau G, Schmidt M, Stepanov A & **Williams AD**. “The impact of marriage on breastfeeding duration: Examining the disproportionate effect of COVID-19 on low-income communities.” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
 71. ^Stiller T, ^Kihlstrom AC, ^Sultana N, Njau G, Schmidt M, Stepanov A & **Williams AD**. “Use of telehealth did not mitigate persistent disparities in prenatal care access among American Indian women in North Dakota.” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
 70. ***Williams AD**, Anderson R, Schroeder S, Njau G, ^Stiller T, ^Sultana N, ^Kihlstrom AC & Schmidt L. “Urban-rural differences in maternal interpersonal violence screening before and during the COVID-19 Pandemic in North Dakota.” Society for Pediatric and Perinatal Epidemiologic Research’s 37th Annual Meeting. Austin, TX. June 17-18, 2024.
 69. ^Labuhn M, & **Williams AD**. “Adverse Childhood Experiences and Utilization of Preventive Healthcare among Children in Rural Communities in the United States (NHIS 2022).” 2024 Society for Epidemiologic Research Conference. Austin, TX. June 18-21, 2024.
 68. ^Sultana N, Schmidt L, Njau G, Schmidt M, Stepanov A, Anderson R, Stiffarm A, ^Kihlstrom AC, ^Stiller T, & **Williams AD**. “Interpersonal violence during pregnancy partially mediates the association between Adverse Childhood Experiences and postpartum depression (ND PRAMS 2017-2020).” Dakota Conference on Rural and Public Health. Grand Forks, ND. June 4-6, 2024.
 67. ^Hanson C, ^Schlichting R, ^O’Hare D, Saizy S, Subramaniam S, & **Williams AD**. “Does maternal asthma modify the association between placental hormones and placental weight?” 2024 ACOG Annual Clinical and Scientific Meetings (2024 ACSM), San Francisco. May 17-19, 2024.
 66. ^Labuhn M, & **Williams AD**. “Adverse Childhood Experiences and Utilization of Preventive Healthcare among Children in Rural Communities in the United States (NHIS 2022).” 44th Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. April 11, 2024.
***Awarded best poster, public health student
 65. ^Ross A, MacPherson C, ^Baker L, Kim S, Njau G, & ***Williams AD**. “Impact of breastfeeding barriers on racial/ethnic disparities in breastfeeding outcomes in North Dakota.” Eighth International Indigenous Women’s Health Meeting, Albuquerque, NM. March 13-15, 2024.
 64. ^Shropshire S, & **Williams AD**. “Association between religious service attendance and perinatal outcomes in the United States: a secondary analysis of the Future Families & Child Wellbeing Study.” 2024 Graduate Research Achievement Day, University of North Dakota, February 28-29, 2024.
 63. ^Sultana N, Schmidt L, Njau G, Schmidt M, Stepanov A, Anderson R, Stiffarm A, ^Kihlstrom AC, ^Stiller T, & **Williams AD**. “Interpersonal violence during pregnancy partially mediates the association between Adverse Childhood Experiences and postpartum depression (ND PRAMS 2017-2020).” 2024 Graduate Research Achievement Day, University of North Dakota, February 28-29, 2024.

62. ^Jaeger, J, & **Williams AD**. “Examining racial and sex disparities in ADHD diagnosis and treatment among children. 2024 Graduate Research Achievement Day, University of North Dakota, February 28-29, 2024.
61. ^Schultz K, Ha S, & **Williams AD**. “Gestational Diabetes and Subsequent Metabolic Dysfunction: An NHANES Analysis (2011-2018).” Society for Pediatric and Perinatal Epidemiologic Research 36th Annual Meeting, Portland. June 2023.
60. ^Wilson-Peltier J, ^Schmidt L, Njau G, Schmidt M, Stepanov A, & **Williams AD**. “Heterogeneity in self-reported hospital experiences in the 2020 North Dakota Pregnancy Risk Assessment Monitoring System COVID-19 Supplement.” Society for Pediatric and Perinatal Epidemiologic Research 36th Annual Meeting, Portland. June 2023.
59. ^Schmidt L, ^Wilson-Peltier J, Njau G, Schmidt M, Stepanov A, Anderson R, & **Williams AD**. “Racial disparities in Adverse Childhood Experiences and the association with interpersonal violence surrounding pregnancy in North Dakota (ND PRAMS 2017-2020).” Society for Pediatric and Perinatal Epidemiologic Research 36th Annual Meeting, Portland. June 2023.
58. ^Ingle, C & **Williams AD**. “Sexual and gender minority status, race/ethnicity, and symptoms of depression and anxiety in the Household Pulse Survey.” Society for Epidemiologic Research 56th Annual Meeting, Portland. June 2023.
57. ^Ross, A., Kim, S., Njau, G. & **Williams, A.D**. “Breastfeeding information sources and outcomes in North Dakota. Association of Maternal and Child Health Programs 2023 Annual Conference, New Orleans, May 2023.
56. ^Ingle, C & **Williams AD**. “Sexual and gender minority status, race/ethnicity, and symptoms of depression and anxiety in the Household Pulse Survey.” 43rd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 13, 2023.
55. ^Wilson-Peltier J, ^Schmidt L, Njau G, Schmidt M, Stepanov A, & **Williams AD**. “Heterogeneity in self-reported hospital experiences in the 2020 North Dakota Pregnancy Risk Assessment Monitoring System COVID-19 Supplement.” 43rd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 13, 2023.
54. ^Schmidt L, ^Wilson-Peltier J, Njau G, Schmidt M, Stepanov A, Anderson R, & **Williams AD**. “Racial disparities in Adverse Childhood Experiences and the association with interpersonal violence surrounding pregnancy in North Dakota (ND PRAMS 2017-2020).” 43rd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 13, 2023.
***Poster of distinction
53. ^O’Hare D, ^Schlichting R, ^Hanson C, Saizy S, & **Williams AD**. “The association between maternal lactogenic hormones and breastfeeding outcomes may differ by asthma status.” 43rd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 13, 2023.
52. ^Schlichting R, ^O’Hare D, ^Hanson C, Saizy S, & **Williams AD**. “Maternal asthma status modifies association between placental measurements and infant size.” 43rd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 13, 2023.
***Poster of distinction

51. ^Hanson C, ^Schlichting R, ^O'Hare D, Saizy S, & **Williams AD**. "Does maternal asthma modify the association between placental hormones and placental weight?" 43rd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 13, 2023. ***Awarded best poster, medical student
50. ^Ross, A., Kim, S., Njau, G. & **Williams, A.D**. "Breastfeeding information sources and outcomes in North Dakota. 2023 D.C. Health Communication Conference, Herndon, VA, April 2023.
49. ^Ingle, C & **Williams AD**. "Sexual and gender minority status, race/ethnicity, and symptoms of depression and anxiety in the Household Pulse Survey." 2023 Graduate Research Achievement Day, University of North Dakota, March 2-3, 2023.
48. ^Wilson-Peltier J, ^Schmidt L, Njau G, Schmidt M, Stepanov A, & **Williams AD**. "Heterogeneity in self-reported hospital experiences in the 2020 North Dakota Pregnancy Risk Assessment Monitoring System COVID-19 Supplement." 2023 Graduate Research Achievement Day, University of North Dakota, March 2-3, 2023.
47. ^Mauch, L. & **Williams, A.D**. "Joint exposure to urban-rural status, medically underserved area residence, and risk of severe COVID-19 outcomes in 2020." Society for Epidemiologic Research 2023 Mid-Year meeting. Virtual. February 27-March3, 2023.
46. ^Wilson-Peltier J, ^Schmidt L, Njau G, Schmidt M, Stepanov A, & **Williams AD**. "Heterogeneity in self-reported hospital experiences in the 2020 North Dakota Pregnancy Risk Assessment Monitoring System COVID-19 Supplement." 17th Annual Women's Health Research Conference, University of Minnesota. Virtual. February, 2023.
45. ^Schmidt L, ^Wilson-Peltier J, Njau G, Schmidt M, Stepanov A, Anderson R, & **Williams AD**. "Racial disparities in Adverse Childhood Experiences and the association with interpersonal violence surrounding pregnancy in North Dakota (ND PRAMS 2017-2020)." 17th Annual Women's Health Research Conference, University of Minnesota. Virtual. February, 2023.
44. Martinez V, Ha S, & **Williams, A.D**. "Ethnic Enclaves and Fetal Growth among Asian Women in California." 2022 Society for Epidemiologic Research Digital. October 2022.
43. **Williams, A.D.**, ^Kanichy M, ^Schmidt L, Schmidt M, Stepanov A, Njau G. "Self-reported COVID-19 behaviors in North Dakota Pregnancy Risk Assessment Monitoring System COVID-19 Supplement." 2022 CityMatCH Leadership and MCH Epidemiology Conference. Chicago. September 2022.
42. ^Breigenzer, A. & ***Williams, A.D**. "The Association Between Risky Sex Behaviors and Depressive Symptomology in Young Adults using NHANES, 2005-2016" Society for Pediatric and Perinatal Epidemiologic Research 55th Annual Meeting, Chicago. June 2022.
41. ^Kanichy M, ^Schmidt L, Njau G, Schmidt M, Stepanov A, **Williams AD**. "Exposure to Domestic Violence and racial disparities in breastfeeding in North Dakota (ND PRAMS 2017-2019)." Society for Pediatric and Perinatal Epidemiologic Research 55th Annual Meeting, Chicago. June 2022.
40. ^Schmidt L, ^Kanichy M, Njau G, Schmidt M, Stepanov A, **Williams AD**. "Adverse Childhood Experiences, Domestic Violence and Racial Disparities in Early Prenatal Care in North Dakota (ND PRAMS 2017-2019)". Society for Pediatric and Perinatal Epidemiologic Research 55th Annual Meeting, Chicago. June 2022.
39. ^Breigenzer, A. & ***Williams, A.D**. "The Association Between Risky Sex Behaviors and Depressive Symptomology in Young Adults using NHANES, 2005-2016" Society for Epidemiologic Research 55th Annual Meeting, Chicago. June 2022.

38. ^Kanichy M, ^Schmidt L, Njau G, Schmidt M, Stepanov A, **Williams AD**. “Exposure to Domestic Violence and racial disparities in breastfeeding in North Dakota (ND PRAMS 2017-2019).” 42nd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 21, 2022.
37. ^Schmidt L, ^Kanichy M, Njau G, Schmidt M, Stepanov A, **Williams AD**. “Adverse Childhood Experiences, Domestic Violence and Racial Disparities in Early Prenatal Care in North Dakota (ND PRAMS 2017-2019).” 42nd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 21, 2022.
36. ^Mauch, L. & **Williams, A.D.** “Joint exposure to urban-rural status, medically underserved area residence, and risk of severe COVID-19 outcomes in 2020.” 42nd Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 21, 2022.
35. ^Kanichy M, ^Schmidt L, Njau G, Schmidt M, Stepanov A, **Williams AD**. “Exposure to Domestic Violence and racial disparities in breastfeeding in North Dakota (ND PRAMS 2017-2019).” 16th Annual Women’s Health Research Conference, University of Minnesota. Virtual. February 15, 2022.
34. ^Schmidt L, ^Kanichy M, Njau G, Schmidt M, Stepanov A, **Williams AD**. “Adverse Childhood Experiences, Domestic Violence and Racial Disparities in Early Prenatal Care in North Dakota (ND PRAMS 2017-2019).” 16th Annual Women’s Health Research Conference, University of Minnesota. Virtual. February 15, 2022.
33. ***Williams, A.D.**, ^Bardwell, S., Larson, K., ^Saizy, S., Mendola, P., Grobman, W., Subramaniam, A., Mumford, S., Chen, Z., Stevens, D., Kumar, R. “Perceived stress during pregnancy and serum placental hormone levels.” 33rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Speed talk, virtual. June 18, 2021.
32. ^Saizy, S., Mendola, P., Grobman, W., Subramaniam, A., Stevens, D., Mumford, S., Larson, K., Chen, Z., Messer, L., Duncan, V., Faye-Petersen, O., Kumar, R., **Williams, A.D.** “Prenatal exposure to perceived stress, maternal asthma, and placental size.” 33rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Speed talk, virtual. June 18, 2021.
31. ^Kim, S. & **Williams, A.D.** “Roles of income and acculturation in the Hispanic Paradox: Breastfeeding among Hispanic women.” 33rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Speed talk, virtual. May 27, 2021.
30. Stevens DR, Yeung E, **Williams AD**, Hinkle S, Lipsky L, Ouidir M, Kanner J, Sherman S, Rohn MCH, Grobman W, Chen Z, Mendola P. "Maternal asthma in relation to infant adiposity and growth". 33rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Speed Talk, virtual, May 26, 2021.
29. ^Winberg, J. & **Williams, A.D.** “Seasonal Prevalence of Asian Longhorned Ticks (*Haemaphysalis longicornis* Neumann) (Acari: Ixodidae) in the Eastern United States.” 41st Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 22, 2021.
28. ^Saizy, S., Mendola, P., Grobman, W., Subramaniam, A., Stevens, D., Mumford, S., Larson, K., Chen, Z., Messer, L., Duncan, V., Faye-Petersen, O., Kumar, R., **Williams, A.D.** “Prenatal exposure to perceived stress, maternal asthma, and placental size.” 41st Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 22, 2021.
***Awarded Honorable Mention, Public Health Student

27. ^Sebens, Z. & **Williams, A.D.** “Socioeconomic barriers to early prenatal care among American Indian and white women in North Dakota (ND PRAMS 2017-2018).” 41st Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 22, 2021.
***Awarded Best Poster, Medical student
26. ^Breigenzer, A. & **Williams, A.D.** “The Association Between Risky Sex Behaviors and Depressive Symptomology in Young Adults using NHANES, 2005-2016” 41st Annual Frank Low Research Day, University of North Dakota School of Medicine and Health Sciences. Virtual. April 22, 2021.
25. ^Sebens, Z. & **Williams, A.D.** “Socioeconomic barriers to early prenatal care among American Indian and white women in North Dakota (ND PRAMS 2017-2018)” 15th Annual Women’s Health Research Conference, University of Minnesota. Virtual. January 26, 2021.
24. ***Williams, A.D.**, Ha, S., Shenassa, E., Messer, L.C., ^Kanner, J., Mendola, P. “Joint effects of ethnic enclave residence and air pollution exposure on risk of gestational diabetes mellitus among Asian/Pacific Islander women in the United States.” 2020 Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, virtual speed posters, November 20, 2020.
23. ***Williams, A.D.**, Ha, S., Shenassa, E., Messer, L.C., ^Kanner, J., Mendola, P. “Ethnic enclaves, air pollution and gestational diabetes among Asian/Pacific Islanders.” American College of Epidemiology 2020 Annual Meeting, virtual, September 21-24 2020.
22. Stevens, D., Perkins, N., Chen, Z., Kumar, R., Grobman, W., Subramaniam, A., Grantz, K., Rohn, M., **Williams, A.D.**, Sherman, S., & Mendola, P. “Race and asthma control during pregnancy.” American College of Epidemiology 2020 Annual Meeting, virtual, September 21-24 2020.
21. Stevens, D., Rohn, M., **Williams, A.**, Kumar, R., Grobman, B., Lipsky, L., Kanner, J., Sherman, S., Chen, Z., & Mendola, P. “Asthma control associated with anthropometry and adiposity in the Breathe, Wellbeing, and Lung Function Study (B-WELL-Mom).” 2020 Meeting of the Society for Epidemiologic Research, virtual. December 15-18, 2020.
20. Ha S., Kanner J., Nobles C., Sherman S., Stevens D., **Williams A.D.**, Grobman W., Biggio J., Subramaniam A., Ouidir M., Chen Z., Mendola P. “Local mobility among pregnant women with and without asthma.” Poster presentation at the 32nd Annual Conference of the International Society for Environmental Epidemiology, Virtual, August 24-27, 2020.
19. Shenassa, E.D. & **Williams, A.D.** “Air pollution, poverty, and cardiometabolic dysfunction among United States adolescents.” 2019 American College of Epidemiology Meeting, Pasadena, CA. September 2019.
18. Mendola, P, Kanner, J., **Williams, A.D.**, Nobles, C., Ha, S, & Ouidir, M. “Ambient temperature and acute risk of stillbirth.” 2019 American Society for Reproductive Medicine Scientific Congress & Expo, Philadelphia, PA, September 2019.
17. Ha S, Nobles C, Kanner J, Sherman S, Cho SH, Perkins N, **Williams A**, Grobman W, Biggio J, Subramaniam A, Ouidir M, Chen Z, & Mendola P. “Air pollution exposure monitoring among pregnant women with and without asthma.” 2019 American College of Epidemiology Annual Meeting, Pasadena, CA, September 2019.
16. ***Williams, A.D.**, Messer, L., ^Kanner, J., Ha, S., Grantz, K. & Mendola, P. “Ethnic enclaves and obstetric outcomes among Asian/Pacific Islanders in the United States.” Society for Epidemiologic Research 52nd Annual Meeting, Minneapolis. June 2019.

15. ***Williams, A.D.**, Ouidir, M., Li, S., Sherman, S., ^Kanner, J., Robledo, C., & Mendola, P. “Does prenatal exposure to air pollution impact obstetric outcomes among women with type 1 diabetes mellitus?” 2019 Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Minneapolis. June 2019.
14. Ouidir, M., Tekola-Ayele, F., Grantz, K., Jones, R., Sundaram, R., **Williams, A.D.**, & Mendola, P. “Acute Ambient air pollution and uterine artery doppler notching in the NICHD Fetal Growth Studies – Singleton Cohort.” 2019 Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Minneapolis. June 2019.
13. ***Williams, A.D.**, Grantz, K., ^Seeni, I., Robledo, C., Sheehy, S., Ouidir, M., Nobles, C. & Mendola, P. “The risk of obstetric and neonatal outcomes among women with autoimmune disease in the US Consortium on Safe Labor, 2002-2008.” 2018 American College of Epidemiology Annual Meeting, Cincinnati, OH. September 2018.
12. Nobles C.J., Schisterman E.F., Grantz K., Liu D., **Williams A.**, Ouidir M., Sherman S., & Mendola P. “Ambient air pollution and hypertensive disorders of pregnancy: is parity an important consideration?” 2018 American College of Epidemiology Annual Meeting. Cincinnati, OH. September 2018.
11. ***Williams, A.D.**, Shenassa, E., Slopen, N., & Rossen, L. “Cardiometabolic dysfunction among U.S. adolescents and area-level poverty: race/ethnicity-specific associations.” 2018 Society for Epidemiologic Research Annual Meeting, Baltimore. June 2018.
10. ***Williams, A.D.**, Grantz, K., Zhang, C., Nobles, C., Sherman, S., & Mendola, P. “Asian/Pacific Islanders experience higher risk for gestational diabetes than other U.S. women exposed to volatile organic compounds in ambient air.” 2018 Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Baltimore. June 2018.
9. Nobles, C., Grantz, K., Liu, D., Schisterman, E., Seeni, I., Sherman, S., **Williams, A.D.** & Mendola, P. “Ambient air pollution and fetal growth restriction: physician diagnosis of intrauterine growth restriction versus population small-for-gestational age measures.” 2018 Society for Pediatric and Perinatal Epidemiologic Research Meeting, Baltimore. June 2018.
8. Mendola, P., Nobles, C., **Williams, A.D.**, Liu, D., Sherman, S., Seeni, I. & Grantz, K. “Air pollution and preterm birth: Do air pollution changes over time influence risk in consecutive pregnancies among low-risk women?” 2018 Society for Pediatric and Perinatal Epidemiologic Research Meeting, Baltimore. June 2018.
7. ^Seeni, I., **Williams, A.D.**, Nobles, C., Sherman, S., & Mendola, P. “Acute air pollution exposure and NICU admission: a case-crossover analysis.” 2018 Society for Pediatric and Perinatal Epidemiologic Research Meeting, Baltimore. June 2018.
6. Mendola, P., Nobles, C., **Williams, A.D.**, Liu, D., Sherman, S., Seeni, I. & Grantz, K. “Air pollution and preterm birth: Do air pollution changes over time influence risk in consecutive pregnancies among low-risk women?” 2018 Society for Epidemiologic Research Meeting, Baltimore. June 2018.
5. ***Williams, A.D.** & Hofferth, S. “Poverty, Race, and Birth Outcomes: An Ecologic Study in Maryland.” 2014 Population Association of America Annual Meeting, Boston. May 2014.
<http://paa2014.princeton.edu/abstracts/141504>
4. ***Williams, A.D.**, Nkombo, Y., Nkodia, G., & Burd, L. “Improving estimates of prenatal alcohol consumption in Brazzaville, Congo.” American Public Health Association Annual Meeting, Boston. Nov. 2013. <https://apha.confex.com/apha/141am/webprogram/Paper277998.html>

3. ***Williams, A.D.**, Nkombo, Y., Nkodia, G., Peng, C.Z., & Burd, L. “When was your last drink? – A prenatal screening in Brazzaville.” American Public Health Association Annual Meeting, San Francisco. Oct. 2012. <https://apha.confex.com/apha/140am/webprogram/Paper258996.html>
2. Paintner, A., **Williams, A.D.**, & Burd, L. “Drinking and Reproductive Health: A Statewide Screening Initiative.” Taking the Next Step: Innovative Interventions for Fetal Alcohol Spectrum Disorders, Atlanta, GA, Oct. 2010.
1. Burd, L. & **Williams, A.D.** “Juvenile Corrections Screening for Fetal Alcohol Spectrum Disorders.” Taking the Next Step: Innovative Interventions for Fetal Alcohol Spectrum Disorders, Atlanta, GA, Oct. 2010.

Other conference participation

5. Session Organizer. Symposium 4: Addressing Disparities in Rural Maternal Healthcare Access: Challenges and Solutions. Society for Pediatric and Perinatal Epidemiologic Research’s 38th Annual Meeting. Boston, MA. June 9-10, 2025.
4. Session Organizer/Moderator. Contributed Session 2: Prenatal Maternal Morbidity. 2024 Society for Pediatric and Perinatal Epidemiologic Research Virtual Meeting. April 16, 2024.
3. Session organizer. Symposium 3: Shifting towards strengths-based approaches for Indigenous family health (proposed session). 2023 Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, Portland, OR. June 2023.
2. Session Co-organizer. Indigenous Health (oral abstract session). 2022 Annual Meeting of the Society for Epidemiology Research. June 2022.
1. Session Moderator. Mental Health Speed Talks. 33rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. June 2021.

Invited Talks and Lectures

**Presented by Andrew Williams; ^student/trainee*

International Audiences

1. ***Williams AD**, ^Khilstrom AC & Warne DK. “Epidemiology Overview & Intro to Indigenous Health and Wellbeing Research.” April 8, 2025. Virtual.
Part 1 of a webinar series on Indigenous Health and Well-being research. Organized by the Finnish Institute for Health and Welfare (THL), Sámi Parliament of Finland, the University of North Dakota, and Johns Hopkins Center for Indigenous Health.
<https://thl.fi/ajankohtaista/tapahtumat/tapahtumakalenteri/2025-04-08/an-epidemiology-overview-and-introduction-to-indigenous-health-and-wellbeing-research>

National scientific audiences

10. ***Williams, AD.** “Graduate Student Epidemiology Program – Epidemiologist Spotlight.” Association of Maternal & Child Health Programs. June 11, 2024. Virtual.
9. ***Williams, AD.** “Screening for drivers of maternal mortality: A catalyst for health equity for all.” 3rd Annual Indigenous Trauma & Resilience Research Center Symposium. University of North Dakota. Grand Forks, ND. April 19, 2024.
8. ***Williams, AD.** “Mom, Baby, and Beyond: The Importance of Data Collection on Dads in the Perinatal Period.” *Perinatal Mental Health Conference – Healthy Mom Health Baby Montana*. November 2, 2023. Virtual.

7. Shenassa, E, Wen, X, Shelley, M, ***Williams, AD**, & Nguyen, T. “Maternal smoking, breastfeeding, and infant growth.” *Symposium: Smokers, Breastfeeding and Growth During Infancy*. Society for Pediatric and Perinatal Epidemiologic Research. September 19, 2023. Virtual.
6. Barnes, M & ***Williams, AD**. “North & South Dakota Perinatal Quality Collaborative.” Alliance for Innovation on Maternal Health State Lead Coordinator Meeting. Virtual. May 23, 2023.
5. ***Williams, AD**. “Adverse Childhood Experiences, Interpersonal Violence, and Pregnancy Outcomes Among Indigenous People in North Dakota.” 2nd Annual Indigenous Trauma & Resilience Research Center Symposium. University of North Dakota. Grand Forks, ND. April 21, 2023.
4. ***Williams, AD**. “Stress and Health in American Indian Pregnancies.” 1st Annual Indigenous Trauma & Resilience Research Center Symposium. University of North Dakota. Virtual. April 22, 2022.
3. ***Williams, AD**. “Healthy Start CIGNAL for Maternal and Child Health in Rural Communities - Expert Meeting.” National Institute for Children’s Health Quality. Virtual. March 23, 2022.
2. ***Williams, AD**. “Ethnic enclaves and pregnancy outcomes among Asian and Pacific Islander women in the United States.” Asian/Pacific American Heritage Month seminar. Division of Reproductive Health of the National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention. Virtual. May 27, 2020.
1. Shenassa, E.D. & **Williams, A.D.** “Air pollution, residence in low-SES areas, and cardiometabolic function: A case of double jeopardy.” Division of Health and Nutrition Examination Surveys, National Center for Health Statistics, Hyattsville, MD. May 24, 2018.

Local/regional audiences

5. ***Williams, A.D.** “Achieving Health Equity for All: Screening for Drivers of Pregnancy-Associated Mortality.” Altru Health System Provider Grand Rounds. April 3, 2024. Virtual.
4. ***Williams, AD** & Alberts, V. “Prenatal Care among American Indians populations in North Dakota.” *2023 Tribal Maternal, Infant, and Child Health Symposium*. November 8, 2023. Fargo, ND.
3. ***Williams, AD**. “Flu vaccine during pregnancy: A look at the data.” *Educational Webinar: Bump Up Your Immunity*. Foundation for a Healthy North Dakota. November 1, 2023. Virtual.
2. ***Williams, AD**. “Beyond Mom. Beyond Baby. The importance of data collect on dads in the perinatal period.” Men’s Health Month presentation. North Dakota Department of Health & Human Services. June 6, 2023. Virtual.
1. ***Williams, AD**. ‘Maternal Health Innovations Panel.’ 2023 Community HealthCare Association of the Dakotas Annual Members Conference. May 4, 2023. Fargo, ND.

University of North Dakota audiences

6. ***Williams, A.D.**, Schmitz D., Marquart M., Nielsen S. (panelists), Westall S., Denis M., & Olson D. (moderators). “Scoping and Systematic Reviews: A Panelist Discussion.” University of North Dakota. June 17, 2025. <https://blogs.und.edu/health-library/2025/06/12/scoping-and-systematic-reviews-a-panelist-discussion/>
5. ***Williams, A.D. (moderator)**, Lyon-Colbert A., Hassett J., Burbank M., & Benson ND. ‘Public Health approach to building healthy neighborhoods.’ University of North Dakota. April 2, 2024.
4. ***Williams, AD**. “Stress and Health in American Indian Pregnancies.” Genomics Core, UND School of Medicine and Health Sciences. Virtual. January 17, 2023.

3. ***Williams, A.D.** “Racial disparities in breastfeeding in North Dakota.” Faculty Fridays, UND Public Health Program. Virtual. November 18, 2022.
2. ***Williams, A.D.** “Focus on skills, not degrees.” University of North Dakota Public Health Association. Virtual. February 4, 2022.
1. ***Williams, A.D.** “Stress during pregnancy and placental function.” Faculty Fridays, UND Public Health Program. Virtual. October 15, 2021.

Invited class lectures

23. ***Williams, A.D.** “Public Use Data Sets.” American Indian Higher Education Consortium - Building Indigenous Research Capacity in Health Tribal College Student Enhancement Summer Session. University of North Dakota. June 26, 2025.
22. ***Williams, A.D.** “Creating poster presentations for research conferences.” American Indian Higher Education Consortium - Building Indigenous Research Capacity in Health Tribal College Student Enhancement Summer Session. University of North Dakota. June 24, 2025.
21. ***Williams, A.D.** “Introduction to Epidemiology.” American Indian Higher Education Consortium - Building Indigenous Research Capacity in Health Tribal College Student Enhancement Summer Session. University of North Dakota. June 23, 2025.
21. ***Williams, A.D.** “Introduction to Population Health.” North Dakota Governors School – Health Studies Discipline Area (high school students). University of North Dakota. June 19, 2025.
20. ***Williams, A.D.** “Writing effective research abstracts.” IH 790 Indigenous Health PhD Seminar. University of North Dakota School of Medicine & Health Sciences. January 30, 2025.
19. ***Williams, A.D.** “Creating poster presentations for research conferences.” American Indian Higher Education Consortium - Building Indigenous Research Capacity in Health Tribal College Student Enhancement Summer Session. University of North Dakota. August 14, 2024.
18. ***Williams, A.D.** “Introduction to Epidemiology.” American Indian Higher Education Consortium - Building Indigenous Research Capacity in Health Tribal College Student Enhancement Summer Session. University of North Dakota. August 7, 2024.
17. ***Williams, A.D. & Sletten, S.R.** “Human Subjects Research.” Research Experience for Medical Students (REMS) 1. University of North Dakota School of Medicine & Health Sciences. Virtual. November 6, 2023.
16. ***Williams, A.D. & Sletten, S.R.** “Human Subjects Research.” Research Experience for Medical Students (REMS) 1. University of North Dakota School of Medicine & Health Sciences. Virtual. November 8, 2022.
15. ***Williams, A.D.** “A talk in 2 parts: A) Research B) Career.” FMSC 710 Maternal and Child Health from a Life Course Perspective (doctoral course). University of Maryland School of Public Health. November 1, 2022.
14. ***Williams, A.D.** “Introduction to Hierarchical Models.” PH 533 Advanced Biostatistics (master’s course). University of North Dakota School of Medicine & Health Sciences, Public Health Program, March 30, 2021.
13. ***Williams, A.D.** “Is segregation bad for you? It depends.” FMSC 710 Maternal and Child Health from a Life Course Perspective (doctoral course). University of Maryland School of Public Health. November 17, 2020.

12. ***Williams, A.D.** “Introduction to Hierarchical Models.” MPH 533 Advanced Biostatistics (master’s course). University of North Dakota School of Medicine & Health Sciences, Public Health Program, April 1, 2020.
11. ***Williams, A.D.** “Predoctoral and postdoctoral career options.” Preparing Future Faculty and Family Professionals, University of Maryland, Department of Family Science. April 3, 2019.
10. ***Williams, A.D.** “You’re still working on that? *Or* I published my dissertation!” FMSC 710 Maternal and Child Health from a Life Course Perspective (doctoral course). University of Maryland, School of Public Health. November 19, 2018.
9. ***Williams, A.D.** “Big Data Epidemiology: Examples of Racial Health Disparities.” GCH 732 Chronic Disease Epidemiology (master’s course). George Mason University, College of Health and Human Services. October 29, 2018.
8. ***Williams, A.D.** “Big Data Epidemiology: Examples of Racial Health Disparities.” FMSC310 Maternal, Child and Family Health (undergraduate course). University of Maryland, School of Public Health. April 30, 2018.
7. ***Williams, A.D.** “Big Data Epidemiology: Examples of Racial Health Disparities.” GCH 732 Chronic Disease Epidemiology (master’s course). George Mason University, College of Health and Human Services. October 30, 2017.
6. ***Williams, A.D.** “Place and Health: An example of area-level poverty.” EPIB 301 Epidemiology in Public Health Practice (undergraduate course). University of Maryland, School of Public Health. February 16, 2017; September 21, 2017.
5. ***Williams, A.D.** “Stress and Allostatic Load” FMSC 710 Maternal and Child Health from a Life Course Perspective (doctoral course). University of Maryland, School of Public Health. November 22, 2016.
4. ***Williams, A.D.** “Writing a Literature Review” FMSC 710 Maternal and Child Health from a Life Course Perspective (doctoral course). University of Maryland, School of Public Health. September 27, 2016.
3. ***Williams, A.D.** “Causal criteria in practice: Can we determine causation in observational studies?” Maryland Population Research Center. Special Topics Working Group, Child Health. March 3, 2016.
2. ***Williams, A.D.** “Place and Health: An example of stress during adolescence” FMSC410, Maternal, Child and Family Health (undergraduate course). University of Maryland, School of Public Health March 22, 2016.
1. ***Williams, A.D.** “Area Deprivation, Stress, and Adolescent Health: A hierarchical analysis of pathways to disease.” FMSC410, Maternal Child and Family Health (undergraduate course). University of Maryland, School of Public Health, March 26, 2015.

Other Presentations

3. ***Williams, A.D.** & Hofferth, S. “Social Observatories Coordinating Network.” 2017 Coalition of National Science Funding, Capitol Hill Exhibit. Washington, DC. May 2017.
2. ***Williams, A.D.** & Hofferth, S. “Examining birth outcomes hotspots in Maryland.” Public Health Research@Maryland 2015; University of Maryland, College Park, MD. April 2015

1. ***Williams, A.D.** & Hofferth, S. "Poverty, Race, and Birth Outcomes: An Ecologic Study in Maryland." 2014 Graduate Research Interaction Day, University of Maryland, College Park, MD, April 2014.

Media Appearances

5. Samuel Western Substack. "What to do about maternity deserts in 89er country." July 2, 2025. <https://samuelwestern.substack.com/p/what-to-do-about-maternity-deserts>
4. Bismarck Tribune. "OB-GYN fears, maternal deserts impact health care in North Dakota." September 6, 2024. https://bismarcktribune.com/community/mandannews/news/north-dakota-growth-fund-capital-multiplier-local-entrepreneurs/article_5541638e-6a21-11ef-8176-bf085a182b09.html
3. Dakota Health Podcast. "Episode 2.06: Perinatal Epidemiology with Andrew Williams." <https://med.und.edu/about/publications/dakota-health/index.html>
2. Grand Forks Herald. "UND receives \$200,000 to lower maternal mortality in North Dakota." September 30, 2023. <https://www.grandforksherald.com/und-receives-200-000-to-lower-maternal-mortality-in-north-dakota>
- Story also ran in *The Forum of Fargo-Moorhead*, *Dickinson Press*, *Jamestown Sun*
1. Native America Calling. "Can the high death rates for pregnant Native women be solved?" August 3, 2023. <https://www.nativeamericacalling.com/thursday-august-3-2023-can-the-high-death-rates-for-pregnant-native-women-be-solved/>

Teaching Experience

University of North Dakota

- | | |
|---|--|
| Fall 2021 – Present | Course Instructor , PH550, Population Health Research Methods. Responsible for all teaching, grading, office hours. (synchronous; 3 credits; 48 hours instruction). |
| Summer 2021 | Course Instructor , PH 762, Quantitative Research Methods. Designed new course for the PhD Indigenous Health program, including all lectures and assignments. Responsible for all teaching, grading, office hours. (synchronous; 3 credits; 48 hours instruction) |
| Spring 2021 - Present | Course Instructor , PH 552, Epidemiology 2. Designed new course for the MPH program, including all lectures and assignments. Responsible for all teaching, grading, office hours. (synchronous; 3 credits; 48 hours instruction) |
| Spring 2021 – Present (Fall & Spring) | Research Mentor , PH995, Integrative Learning Experience. Supervise student ILE projects, including literature review, data analysis, writing and oral presentation. (2 credits; 30 hours per student) |
| Spring 2021 - Present | Course Instructor , PH/IH 751, Applied Epidemiology. Designed new course for the PhD Indigenous Health program, including all lectures and assignments. Responsible for all teaching, grading, office hours. (synchronous; 3 credits; 48 hours instruction) |
| Fall 2020 – Present (Fall, Spring & Summer) | Course Co-Instructor , PH594, Applied Practice Experience. Responsible for overseeing student development of APEX proposal, assisting students to find placement sites, communication with APEX preceptors, and for all grading. (3 |

credits; 5-10 hours per student)

Fall 2020 **Course Instructor**, PH 510, Public Health & Health Care Systems. Responsible for all teaching, grading, office hours. (asynchronous & synchronous; 2 credits; 32 hours instruction)

University of Maryland

Fall 2015 – Spring 2017 **Course Instructor**, FMSC 302 Research Methods in Family Science Department of Family Science, School of Public Health, University of Maryland. Undergraduate course.

Spring 2013 – Spring 2015 **Teaching Assistant**, FMSC 302 Research Methods in Family Science Department of Family Science, School of Public Health, University of Maryland. Undergraduate course.

Mentoring Experience

University of North Dakota

Graduate Research Assistants

Current research assistants

Nishat Sultana (MPH student, *State of North Dakota COVID-19 Health Equity; Maternal and Child Health Workforce Development*)

- Authorship on 7 conference presentations
- First author on 1 submitted paper
- Co-author on 2 submitted papers

Kilyn Parisien (PhD student, *Maternal and Child Health Workforce Development*)

Sarala Pandey (MPH student, *North Dakota Perinatal Quality Collaborative*)

Rylee Bergeron (MPH student, *Maternal care deserts and screening for drivers of maternal mortality and morbidity*)

Previous research assistants

Stacie Shropshire (MPH student, *Stress and Health in American Indian Pregnancies*)

- Authorship on 3 conference presentations
- First author on 1 published paper
- Co-author on 1 submitted paper

Tara Stiller (PhD student, *State of North Dakota COVID-19 Health Equity*)

- Authorship on 7 conference presentations
- First author on 1 submitted paper
- Co-author on 2 submitted papers

Anna Kihlstrom (PhD student, *State of North Dakota COVID-19 Health Equity*)

- Authorship on 7 conference presentations
- First author on 1 submitted paper
- Co-author on 2 submitted papers

Amy Stiffarm (PhD student, *Stress and Health in American Indian Pregnancies*)

- Co-organizer on SER 2022 oral presentation session
- Co-organization SPER 2023 oral presentation session
- Co-author on 2 manuscripts
- First author on *Health Affairs* publication

Julia Wilson-Peltier (PhD Student, *State of North Dakota COVID-19 Health Equity*)

- Authorship on 7 conference presentations

Lexie Schmidt (MPH student, *State of North Dakota COVID-19 Health Equity*)

- Authorship on 7 conference presentations
- First author on 1 manuscript
- Co-author on 1 manuscript
- Co-author on 2 submitted manuscripts

Michael Lynn Kanichy (MPH student, *State of North Dakota COVID-19 Health Equity*)

- Authorship on 8 conference presentations
- First author on 1 manuscript
- Co-author on 1 manuscript

Sadia Saizy (MPH student, *Maternal stress in pregnancy and placental function*)

- Authorship on 9 conference presentations
- Co-first author on 1 peer reviewed manuscript

Siri Bardwell (B.S. student, *Maternal stress in pregnancy and placental function*)

- Authorship on 1 conference presentation

MPH Students - primary scholarly advisor

Current Students

Angel Massaquoi (Population Health Research & Analytics)

Rylee Bergeron (Population Health Research & Analytics)

Graduated students

McKenna Corbett, May 2025 (Health Management & Policy)

Isaac Karikari, May 2025 (Population Health Research & Analytics)

Stacie Shropshire, August 2024 (Population Health Research & Analytics)

Mary Labuhn, May 2024 (Population Health Research & Analytics)

Zach Sebens, May 2024 (Population Health Research & Analytics)

Karen Davis, August 2023 (Population Health Research & Analytics)

Cody Ingle, May 2023 (Population Health Research & Analytics)

Kelly Schultz, May 2023 (Population Health Research & Analytics)

Lakin Mauch, May 2022 (Population Health Research & Analytics)

Katarina Domitrovich, May 2022 (Population Health Research & Analytics)

Jessica Winberg, May 2021 (Population Health Research & Analytics)

Amy Breigenzer, May 2021 (Population Health Research & Analytics)

Soojung Kim, May 2021 (Population Health Research & Analytics)

Sadia Saizy, December 2021 (Population Health Research & Analytics)

MPH Applied Practice Experience mentorship

Angie Novak, Fall 2020

Natalie Reed, Fall 2020

Indigenous Health PhD Students – primary scholarly advisor

Current Students

Michelle Rodriguez -4th year - (Dissertation focus: *A mixed methods study exploring the concept of Rematriation through the work of Indigenous doulas in New Mexico*)

Anna Kihlstrom – 3rd year - (Dissertation focus: *Implementation of ethical research guidelines in partnership with the Saami Health Board in Finland*)

Kilyn Parisien – 2nd year

Graduated Students

Tara Stiller, August 2025 (Dissertation: *Exploring the Concepts of Rematriation and the Sugpiaq/Alutiiq People's Traditional Values and Ways of Being to Address Historical Trauma*)

Amy Stiffarm, August 2023 (Dissertation: *Perinatal Mental Health for Indigenous Women and Birthing People*)

Medical Students – research mentor

Taylor Lange, Summer 2025 Research Experience for Medical Students

Rylie Fode, Summer 2025 Research Experience for Medical Students

Jaksen Perrin, Summer 2025 Research Experience for Medical Students

Reese Siegle, Summer 2024 Research Experience for Medical Students

- First author on 1 submitted conference abstract
- Co-author on 1 submitted conference abstract

Myckynzie Schroeder, Summer 2024 Research Experience for Medical Students

- First author on 1 submitted conference abstract
- Co-author on 1 submitted conference abstract

Regina Schlichting, Summer 2022 Research Experience for Medical Students

- Authorship on 6 conference presentations

Courtney Hanson, Summer 2022 Research Experience for Medical Students

- Authorship on 6 conference presentations

Danielle O'Hare, Summer 2022 Research Experience for Medical Students

- Authorship on 6 conference presentations

Zachary Sebens, Summer 2020 – present

- First author on 1 manuscript
- Authorship on 2 conference presentations

PhD Dissertation Committee service – invited member

Chandler Tobeck, Department of Education, Health and Behavior Studies

Charisse Holiday, Department of Indigenous Health, Graduated August 2025

Nadia Kyeremah, Department of Communication, Graduated August 2024

External student advising

Anna Ross (George Washington University), MPH capstone research, Summer 2022

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Jenna Kanner, Post-Baccalaureate Research Fellow, 2018-2019

- 2019 NICHD Three Minute Talk Award
- 2019 Outstanding poster, NIH Postbac Poster Day

Indu Seeni, Post-Baccalaureate Research Fellow, 2017-2018

University of Maryland

Undergraduate Students

Youmna Ansari: Fall 2016 Undergraduate Honors Project

Awards and Honors

2023 Prairie Business 40 Under 40 list. *Prairie Business magazine*.

Nominated for Outstanding Faculty Award for Outstanding Graduate/Professional Teaching at the University of North Dakota, Fall 2021

UND Work-Integrated Knowledge and Skills (WIRKS) initiative award for integration of Riipen into PH 594 Applied Practice Experience in Summer 2021 & Fall 2021

2019 Fellows Award for Research Excellence (FARE), “Racial Residential Segregation and Racial Disparities in Stillbirth in the United States.” National Institutes of Health.

Honorable Mention, Poster Session A, “Asian/Pacific Islanders experience higher risk for gestational diabetes than other U.S. women exposed to volatile organic compounds in ambient air.” 2018 Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting.

School of Public Health nominee – 2018 Charles A. Caramello Distinguished Dissertation Award, University of Maryland, College Park.

2017 *Preventing Chronic Disease* Top Reviewer (top 5% of reviewers).

2017 Han Soo Chae Memorial Research Award (outstanding research addressing health disparities), School of Public Health, University of Maryland, College Park (competitive application process).

2016 Dean’s Doctoral Scholar Award, School of Public Health, University of Maryland, College Park.

Honorable Mention, Outstanding Academic Poster, “Examining birth outcomes hotspots in Maryland.” Public Health Research@Maryland 2015, University of Maryland, College Park.

First Place (\$450), Health Session, 2014 Graduate Research Interaction Day, University of Maryland.

Travel Award (\$500), 2014 Environmental Demography Workshop, University of Colorado (competitive application process).

Professional Development

Quality Course Design for the Transition to Blackboard Ultra, Teaching Transformation and Development Academy, University of North Dakota, May 2025

Culture and Diversity 101, Dr. Victoria Haynes, University of North Dakota School of Medicine, January 8, 2025.

Eliminating Bias in Peer Review, Center for Scientific Review, National Institutes of Health, September 20, 2023.

EnRICH Webinar - How to Develop a Successful Research Career – HRSA MCHB, March 24, 2022

Hyflex in the Classroom: Faculty Panel, TTADA, University of North Dakota, April 26, 2022

University of North Dakota Faculty/Researcher Training – Novelution, May 19, 2022, virtual

Teaching Public Health Writing and Communication – Boston University School of Public Health, June 23 2022, virtual

AAMC Appropriate Treatment of Research Trainees (AToRT) Webinar – July 18, 2022, virtual

Recovery Reinvented, Grand Forks, ND - November 3, 2022

Alliance for Innovation in Maternal Health, Data Support Community of Learning – December 2022 – present (virtual meetings with homework)

Small Group Instructional Diagnosis, Epidemiology 2 Spring 2022, TTADA, University of North Dakota

Small Group Instructional Diagnosis, Applied Epidemiology Spring 2022, TTADA, University of North Dakota

Creating Connections: An Introduction to the Alda Method, University of North Dakota, virtual, September 28, 2021.

Groups in Blackboard, University of North Dakota, TTADA, December 14, 2020

Bb Ally – Make your Content Accessible, University of North Dakota, TTADA, November 19, 2020

Scientists Teaching Science, National Institutes of Health, Bethesda, MD, March – May 2018

NIH Grant Writing Workshop, National Institutes of Health, Bethesda, MD, March – May 2018

2017-2018 Science Policy Discussion Group, National Institutes of Health, Bethesda, MD (competitive application process)

2015-2016 U.S. Policy Communication Training Workshop, Population Reference Bureau Washington, DC, July 2015-2016 (competitive application process)

Environmental Demography Graduate Student Workshop, University of Colorado Population Center Boulder, CO, May 12-13, 2014 (competitive application process)

Student Leadership Institute, Association of Schools and Programs of Public Health Annual Meeting Boston, MA, November 4, 2013 (competitive application process)

SESYNC Short Course: Interactive Visualization Tools for Socio-Environmental Data. Annapolis, MD, August 15-16, 2013 (competitive application process)

Maternal and Child Health Bureau Epidemiology Training Course Minneapolis, MN, May 31 – June 4, 2011 (competitive application process)

Professional Memberships

- American College of Epidemiology, Member 2025- Present
- American Public Health Association 2012 - Present
 - Maternal and Child Health Section
 - Epidemiology Section
- North Dakota Public Health Association 2019 - Present
- Society for Pediatric and Perinatal Epidemiologic Research 2017 - Present
- Society for Epidemiologic Research 2017 - Present

Service Activities

Grant Review

- National Institutes of Health, Stress, Sleep, Memory, Cognition, Neurodegeneration, Pain, Pregnancy, and Postpartum (ZRG1 ICN-N (92) S, July 2025)
- National Institutes of Health, Population Sciences and Epidemiology Fellowship Review (ZRG1 F18-E20 L, November 2023)
- Health Resources and Services Administration, Advanced Nursing Education Nurse Practitioner Residency and Fellowship Program (HRSA 23-009, May 2023)
- Health Resources and Services Administration, Advanced Nursing Education Workforce Program (HRSA 23-014, May 2023)

Editorial Activities

- Reproductive Health, Associate Editor (2024 – Present)
- International Journal of Environmental Research and Public Health – Topical Advisory Panel (2022-2023)

Ad Hoc Journal Review

- American Journal of Epidemiology
- American Journal of Health Promotion
- American Journal of Public Health
- BMC Medical Research Methodology
- BMC Pregnancy and Childbirth
- BMC Pulmonary Medicine
- Digital Health
- Environmental Research
- Epidemiology
- Fertility and Sterility
- Forensic Sciences Research
- Human Reproduction
- International Journal of Environmental Research and Public Health
- International Journal of Epidemiology
- Journal of Developmental Origins of Health and Disease
- Journal of Health Care for the Poor and Underserved
- Journal of Obstetrics and Gynaecology Research
- Journal of Pediatrics and Mother Care
- Journal of Public Health Research
- Journal of Racial and Ethnic Health Disparities
- Maternal and Child Health Journal
- Paediatric and Perinatal Epidemiology
- Pediatrics
- PLOS One
- Preventing Chronic Disease
- Science of the Total Environment
- Scientific Reports
- Social Science and Medicine – Population Health
- Women's Health Issues

State of North Dakota

- North Dakota Department of Health & Human Services, Division of Public Health, Community Engagement Unit Strategic Planning focus groups, Fall 2023
- North Dakota Pregnancy Risk Assessment Monitoring System (ND PRAMS) Advisory Committee, 2019 – Present
- Work As One: Maternal and Child Health Needs Assessment, 2020 - Present

University of North Dakota

- Student Success Beyond the Classroom Working Group, March 2022-August 2022, co-chair
- Online and Distance Education Committee, August 2021 – August 2022
- Task Force on the Future of Education at the University of North Dakota, December 2020-May 2021
- Alice T. Clark Scholars Mentoring Program (Year 1) September 2020 – May 2021
- Graduate Research Achievement Day, Judge, March 2020

School of Medicine & Health Sciences, University of North Dakota

- Frank Low Research Day, Judge, April 2025
- Research Committee, 2022-Present
- Community Engagement and Outreach Core Director search committee, Summer 2021
- Service Learning Day, Judge, January 2020

Master of Public Health Program, School of Medicine & Health Sciences, University of North Dakota

- MPH Program Director search committee, chair, 2022-Present
- Research Methods Tenure Track Faculty search committee, chair, Summer 2021
- MPH Admissions Committee, Population Health Research & Analytics 2019 – Present
- Self-study Sub-Committee (ad hoc), 2020 – Present
- Faculty Council, 2019-Present

Department of Indigenous Health, School of Medicine & Health Sciences, University of North Dakota

- PhD Program Admissions Committee, 2020 – Present
- Faculty Council, 2020 - Present

Society for Pediatric and Perinatal Epidemiologic Research

- 2025 SPER Student Prize Paper Award reviewer
- 2024 SPER Virtual Meeting Planning Committee
- Outreach Committee, November 2021 – Present

Centers for Medicare and Medicaid Services

- Maternal Health Technical Expert Panel – Development and Reevaluation of Maternal Health Measures and Designation, August 2024 - Present

North Dakota Public Health Association

- Governing Council, 2021-Present
- Maternal and Child Health Section, Founding Chair, 2021-Present

Association of Maternal and Child Health Programs

- Graduate Student Epidemiology Program Steering Committee, 2023-Present

Council of State and Territorial Epidemiologists

- Applied Epidemiology Competencies assessment, Fall 2022

National Institutes of Health

- Fellows Award for Research Excellence (FARE) awards, Cultural, Social, and Behavioral Sciences, Chief Judge, 2020 awards

National Institute of Child Health and Human Development

- Maternal Fetal Medicine/Epidemiology Journal Club, Coordinator, 2018-2019

University of Maryland

- Student Affairs Committee, Graduate Student Representative, 2014-2015
- General Education Committee, Graduate Student Representative, 2013-2014
- Campus Student Technology Fee Advisory Committee, Member, 2012-2013

Maryland Population Research Center, University of Maryland

- Student Research Affiliate 2012-2017
- Graduate Student Journal Club, Co-Leader, 2015-2016

School of Public Health, University of Maryland

- Council of Student Leaders, Maryland Council on Family Relations Representative, 2014-2015
- School of Public Health Reaccreditation Student Panel, Member, 2015

Family Science Department, University of Maryland

- Maternal, Child and Family Health and Well Being Faculty Search Committee, Member, 2015-2016
- Maryland Council on Family Relations, President, 2014-2015
- Maryland Council on Family Relations, Vice President, 2013-2014