

Danielle R. Stevens

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EDUCATION

2019 Ph.D. Epidemiology
Medical University of South Carolina, Charleston, SC, US

2013 B.S. Health Sciences
Furman University, Greenville, SC, US

PROFESSIONAL APPOINTMENTS

2025 Nominated Assistant Professor
Department of Radiology
University of North Carolina at Chapel Hill, Chapel Hill, NC, US

2021-2025 IRTA Postdoctoral Fellow
Epidemiology Branch
National Institute of Environmental Health Sciences, Durham, NC, US

2019-2021 IRTA Postdoctoral Fellow
Epidemiology Branch
National Institute of Child Health and Human Development, Bethesda, MD, US

2014-2019 Graduate Research Assistant
Department of Public Health Sciences
Medical University of South Carolina, Charleston, SC, US

2012-2014 Research Assistant
Livewell Greenville
Furman University, Greenville, SC, US

HONORS

NIH Fellows Award for Research Excellence Award (\$1,500) | 2022, 2024

NIEHS Paper of the Year | 2023

NIEHS Paper of the Month | December 2024, July-September 2024, September 2023, June 2023, June 2022

US DOHAD Conference 2021 Trainee Travel Award | 2021

SER Lilienfeld Postdoctoral Prize Paper Award Finalist | 2021

MUSC College of Medicine High Impact Scientific Publication Award | 2018

First place student poster for the 22nd Annual Diabetes Fall Symposium for Primary Health Care Professionals | 2016

Pathways to Practice Scholars for Region IV Public Health Training Award (\$3,500) | 2018

MUSC Global Health Trainee Travel Award (\$2,000) | 2015

Furman University Health Sciences Schonmeyer Scholarship Recipient | 2013

Furman University Sportsmedicine Scholarship Recipient | 2012

Furman University Achiever's Scholarship Recipient | 2010

BIBLIOGRAPHY

* indicates co-first authorship. † indicates mentorship.

Peer Reviewed Publications – Published

1. Welch BM, Bommarito PA, Cantonwine DE, Milne GL, **Stevens DR**, Edin ML, Zeldin DC, Meeker JD, McElrath TF, Ferguson KK. 2025. Consumer product chemical mixtures and oxylipin-mediated inflammation and oxidative stress during early pregnancy: Findings from a large us pregnancy cohort. *Environ Sci Technol.* 59(6):2987–2999. PMID: 39913660
2. Pacyga DC, Buckley JP, Martinez-Steele E, Bommarito PA, Ferguson KK, **Stevens DR**. 2025. Degree of food processing and serum poly- and perfluoroalkyl substance concentrations in the us national health and nutrition examination survey, 2003-2018. *Int J Hyg Environ Health.* 266:114557. PMID: 40068585
3. McNell EE†, **Stevens DR**, Welch BM, Rosen EM, Fenton S, Calafat AM, Botelho JC, Sinkovskaya E, Przybyska A, Saade G, Abuhamad A, Ferguson KK. 2025. Exposure to phthalates and replacements during pregnancy in association with gestational blood pressure and hypertensive disorders of pregnancy. *Environ Res.* 279(Pt 1):121739. PMID: 40311894
4. Mateus J, **Stevens DR**, Grantz KL, Zhang C, Grewal J, Grobman WA, Owen J, Sciscione AC, Wapner RJ, Skupski D, Chien E, Wing DA, Ranzini AC, Nageotte MP, Newman RB. 2025. Fetal and maternal factors predictive of primary cesarean delivery at term in a low-risk population: Nichd fetal growth studies-singletons. *Am J Perinatol.* 42(2):256–267. PMID: 39074807
5. **Stevens DR**, Goldberg M, Adgent M, Chin HB, Baird DD, Stallings VA, Sandler DP, Calafat AM, Ford EG, Zemel BS, Kelly A, Umbach DM, Rogan W, Ferguson KK. 2024b. Environmental phenols and growth in infancy: The infant feeding and early development study. *J Clin Endocrinol Metab.* 109(12):3108–3118. PMID: 38753668
6. **Stevens DR**, Blaauwendraad SM, Bommarito PA, van den Dries M, Trasande L, Spaan S, Pronk A, Tiemeier H, Gaillard R, Jaddoe VW, Ferguson KK. 2024a. Gestational organophosphate pesticide exposure and childhood cardiovascular outcomes. *Environ Int.* 193:109082. PMID: 39447473
7. Rosen EM†, **Stevens DR**, McNell EE, Wood ME, Engel SM, Keil AP, Calafat AM, Botelho JC, Sinkovskaya E, Przybyska A, Saade G, Abuhamad A, Ferguson KK. 2024. Longitudinal associations between urinary biomarkers of phthalates and replacements with

novel in vivo measures of placental health. *Hum Reprod.* 39(9):2104–2114. PMID: 38970902

8. Rohn MCH*, **Stevens DR***, Grobman WA, Kumar R, Chen Z, Deshane J, Biggio JR, Subramaniam A, Grantz KL, Sherman S, Mendola P. 2024. The association of periconception asthma medication discontinuation with adverse obstetric outcomes. *Am J Perinatol.* 41(S 01):e2089–e2097. PMID: 37216974
9. Newman RB, **Stevens DR**, Hunt KJ, Grobman WA, Owen J, Sciscione A, Wapner RJ, Skupski D, Chien EK, Wing DA, Ranzini AC, Porto M, Grantz KL. 2024. Fetal growth biometry as predictors of shoulder dystocia in a low-risk obstetrical population. *Am J Perinatol.* 41(7):891–901. PMID: 35240706
10. Lueth AJ, Bommarito PA, **Stevens DR**, Welch BM, Cantonwine DE, Ospina M, Calafat AM, Meeker JD, McElrath TF, Ferguson KK. 2024. Exposure to organophosphate ester flame retardants and plasticizers and associations with preeclampsia and blood pressure in pregnancy. *Environ Res.* 262(Pt 2):119910. PMID: 39233027
11. LaPointe S†, Nie J, **Stevens DR**, Gleason JL, Ha S, Seeni I, Grantz KL, Mendola P. 2024. Exposure to acute ambient temperature extremes and neonatal intensive care unit admissions: A case-crossover study. *Sci Total Environ.* 953:176149. PMID: 39260482
12. Goldberg M, Adgent MA, **Stevens DR**, Chin HB, Ferguson KK, Calafat AM, Travlos G, Ford EG, Stallings VA, Rogan WJ, Umbach DM, Baird DD, Sandler DP. 2024. Environmental phenol exposures in 6- to 12-week-old infants: The infant feeding and early development (ifed) study. *Environ Res.* 252(Pt 4):119075. PMID: 38719065
13. Bommarito PA*, **Stevens DR***, Welch BM, Ospina M, Calafat AM, Meeker JD, Cantonwine DE, McElrath TF, Ferguson KK. 2024c. Organophosphate ester flame retardants and plasticizers in relation to fetal growth in the lifecodes fetal growth study. *Environ Health Perspect.* 132(7):77001. PMID: 38968089
14. Bommarito PA, Blaauwendraad SM, **Stevens DR**, van den Dries MA, Spaan S, Pronk A, Tiemeier H, Gaillard R, Trasande L, Jaddoe VVW, Ferguson KK. 2024a. Prenatal exposure to nonpersistent chemicals and fetal-to-childhood growth trajectories. *Epidemiology.* 35(6):874–884. PMID: 39042458
15. Bommarito PA, **Stevens DR**, Welch BM, Meeker JD, Cantonwine DE, McElrath TF, Ferguson KK. 2024b. Prenatal exposure to environmental phenols and fetal growth across pregnancy in the lifecodes fetal growth study. *Environ Int.* 190:108866. PMID: 38968832
16. Williams A, Saizy S, Mendola P, Grobman W, Subramaniam A, **Stevens DR**, Mumford SL, Larson K, Chen Z, Messer LC, Duncan V, Faye-Petersen O, Kumar R. 2023. Prenatal exposure to perceived stress, maternal asthma, and placental size. *Placenta.* 139:127–133. PMID: 37390516
17. **Stevens DR**, Yeung E, Hinkle SN, Grobman W, Williams A, Ouidir M, Kumar R, Lipsky LM, Rohn MCH, Kanner J, Sherman S, Chen Z, Mendola P. 2023c. Maternal asthma in relation to infant size and body composition. *J Allergy Clin Immunol Glob.* 2(3). PMID: 37485032
18. **Stevens DR**, Starling AP, Bommarito PA, Keil AP, Nakiwala D, Calafat AM, Adgate JL, Dabelea D, Ferguson KK. 2023b. Midpregnancy phthalate and phenol biomarkers in relation to infant body composition: The healthy start prospective cohort. *Environ Health Perspect.* 131(8):87017. PMID: 37616158

19. Stevens DR, Rosen EM, Van Winkle K, McNell EE, Bommarito PA, Calafat AM, Botelho JC, Sinkovskaya E, Przybylska A, Saade G, Abuhamad A, Ferguson KK. 2023a. Early pregnancy phthalates and replacements in relation to fetal growth: The human placenta and phthalates study. *Environ Res.* 229:115975. PMID: 37094650
20. Rosen EM†, Stevens DR, McNell EE, Wood ME, Engel SM, Keil AP, Calafat AM, Botelho JC, Sinkovskaya E, Przybylska A, Saade G, Abuhamad A, Ferguson KK. 2023. Variability and longitudinal trajectories of phthalate and replacement biomarkers across pregnancy in the human placenta and phthalates study. *Environ Sci Technol.* 57(35):13036–13046. PMID: 37607343
21. Rohn MCH, Stevens DR, Kanner J, Nobles C, Chen Z, Grantz KL, Sherman S, Grobman WA, Kumar R, Biggio J, Mendola P. 2023. Asthma medication regimens in pregnancy: Longitudinal changes in asthma status. *Am J Perinatol.* 40(2):172–180. PMID: 33882589
22. Bommarito PA, Stevens DR, Welch BM, Weller D, Meeker JD, Cantonwine DE, McElrath TF, Ferguson KK. 2023c. Temporal trends and predictors of phthalate, phthalate replacement, and phenol biomarkers in the lifecodes fetal growth study. *Environ Int.* 174:107898. PMID: 37001215
23. Bommarito PA, Cantonwine DE, Stevens DR, Welch BM, Davalos AD, Zhao S, McElrath TF, Ferguson KK. 2023b. Fetal growth trajectories of babies born large-for-gestational age in the lifecodes fetal growth study. *Am J Obstet Gynecol.* 228(3):340.e341–340.e320. PMID: 36241081
24. Bommarito PA, Cantonwine DE, Stevens DR, Welch BM, Davalos AD, Zhao S, McElrath TF, Ferguson KK. 2023a. An application of group-based trajectory modeling to define fetal growth phenotypes among small-for-gestational-age births in the lifecodes fetal growth study. *Am J Obstet Gynecol.* 228(3):334.e331–334.e321. PMID: 36027952
25. Blaauwendraad SM, Stevens DR, van den Dries MA, Gaillard R, Pronk A, Spaan S, Ferguson KK, Jaddoe VWV. 2023. Fetal organophosphate pesticide exposure and child adiposity measures at 10 years of age in the general dutch population. *Environ Health Perspect.* 131(8):87014. PMID: 37606291
26. Zhao SK, Yeung EH, Ouidir M, Hinkle SN, Grantz KL, Mitro SD, Wu J, Stevens DR, Chatterjee S, Tekola-Ayele F, Zhang C. 2022. Recreational physical activity before and during pregnancy and placental DNA methylation—an epigenome-wide association study. *Am J Clin Nutr.* 116(4):1168–1183. PMID: 35771992
27. Stevens DR, Rohn MCH, Hinkle SN, Williams AD, Kumar R, Lipsky LM, Grobman W, Sherman S, Kanner J, Chen Z, Mendola P. 2022c. Maternal body composition and gestational weight gain in relation to asthma control during pregnancy. *PLoS One.* 17(4):e0267122. PMID: 35442986
28. Stevens DR, Perkins N, Chen Z, Kumar R, Grobman W, Subramaniam A, Biggio J, Grantz KL, Sherman S, Rohn M, Mendola P. 2022b. Determining the clinical course of asthma in pregnancy. *J Allergy Clin Immunol Pract.* 10(3):793–802.e710. PMID: 34656801
29. Stevens DR, Bommarito PA, Keil AP, McElrath TF, Trasande L, Barrett ES, Bush NR, Nguyen RHN, Sathyaranayana S, Swan S, Ferguson KK. 2022a. Urinary phthalate metabolite mixtures in pregnancy and fetal growth: Findings from the infant development and the environment study. *Environ Int.* 163:107235. PMID: 35429919

30. Robinson SL, Sundaram R, Lin TC, Putnick DL, Gleason JL, Ghassabian A, **Stevens DR**, Bell EM, Yeung EH. 2022. Age of juice introduction and child anthropometry at 2-3 and 7-9 years. *J Pediatr*. 245:135–141.e131. PMID: 35182582
31. Polinski KJ*, **Stevens DR***, Mendola P, Lin TC, Sundaram R, Bell E, Yeung EH. 2022. Infertility treatment associated with childhood asthma and atopy. *Hum Reprod*. 37(7):1609–1618. PMID: 35446387
32. **Stevens DR**, Neelon B, Roberts JR, Taylor SN, Newman RB, Vena JE, Hunt KJ. 2021b. Mediation of the association between maternal pre-pregnancy overweight/obesity and childhood overweight/obesity by birth anthropometry. *J Dev Orig Health Dis*. 12(1):71–78. PMID: 32077839
33. **Stevens DR**, Grobman W, Kumar R, Lipsky LM, Hinkle SN, Chen Z, Williams A, Rohn MCH, Kanner J, Sherman S, Mendola P. 2021a. Gestational and postpartum weight trajectories among women with and without asthma. *Am J Epidemiol*. 190(5):744–754. PMID: 33169142
34. Ouidir M, Tekola-Ayele F, Carty T, Grantz KL, Sciscione A, Tong D, Jones RR, Sundaram R, Williams A, **Stevens D**, Mendola P. 2021. Acute ambient air pollution exposure and placental doppler results in the nichd fetal growth studies - singleton cohort. *Environ Res*. 202:111728. PMID: 34297937
35. Kanner J†, **Stevens DR**, Nobles CJ, Rohn MCH, Ha S, Männistö T, Ouidir MS, Mendola P. 2021b. Risk of cardiovascular events during labor and delivery associated with acute ambient temperature changes. *J Clim Chang Health*. 3. PMID: 40821107
36. Kanner J, Pollack AZ, Ranasinghe S, **Stevens DR**, Nobles C, Rohn MCH, Sherman S, Mendola P. 2021a. Chronic exposure to air pollution and risk of mental health disorders complicating pregnancy. *Environ Res*. 196:110937. PMID: 33647295
37. Vrana-Diaz CJ, **Stevens DR**, Ndeche E, Korte JE. 2019. Hiv self-testing knowledge and attitudes at sports-based hiv prevention tournaments in nairobi, kenya. *J HIV AIDS Soc Serv*. 18(2):180–196. PMID: 32952458
38. **Stevens DR**, Taylor SN, Roberts JR, Neelon B, Newman RB, Vena JE, Hunt KJ. 2019. Breastfeeding initiation as related to the interaction of race/ethnicity and maternal diabetes. *Breastfeed Med*. 14(9):630–639. PMID: 31364862
39. Hunt KJ, Jenkins AJ, Fu D, **Stevens D**, Ma JX, Klein RL, Azar M, Zhang SX, Lopes-Virella MF, Lyons TJ. 2019. Serum pigment epithelium-derived factor: Relationships with cardiovascular events, renal dysfunction, and mortality in the veterans affairs diabetes trial (vadt) cohort. *J Diabetes Complications*. 33(10):107410. PMID: 31434620
40. **Stevens DR**, Vrana CJ, Dlin RE, Korte JE. 2018b. A global review of hiv self-testing: Themes and implications. *AIDS Behav*. 22(2):497–512. PMID: 28155039
41. **Stevens DR**, Malek AM, Laggis C, Hunt KJ. 2018a. In utero exposure to tobacco smoke, subsequent cardiometabolic risks, and metabolic syndrome among U.S. Adolescents. *Ann Epidemiol*. 28(9):619–624.e611. PMID: 30017226
42. Gichangi A, Wambua J, Mutwiwa S, Njogu R, Bazant E, Wamicwe J, Wafula R, Vrana CJ, **Stevens DR**, Mudany M, Korte J. 2018. Impact of hiv self-test distribution to male partners of anc clients: Results of a randomized controlled trial in kenya. *J Acquir Immune Defic Syndr*. 79(4):467–473. PMID: 30148731

43. Baker NL, Hunt KJ, **Stevens DR**, Jarai G, Rosen GD, Klein RL, Virella G, Lopes-Virella MF. 2018. Association between inflammatory markers and progression to kidney dysfunction: Examining different assessment windows in patients with type 1 diabetes. *Diabetes Care*. 41(1):128–135. PMID: 29118060

Peer Reviewed Publications – In press/Submitted

1. Kawakita T, Hayasaka M, Barake C, Soto T, Fleming J, Lueth A, **Stevens DR**, Abuhamad A, Przybylska A, Sinkovskaya E, Ferguson KK, Saade G. Mediating effect of social determinants of health between race and phthalate exposures in pregnancy. 2025 Dec. *Pregnancy*. Pages: 10. [In press]
2. **Stevens DR**, Hinton K, O'Brien KM, Buckley JP, Welch BM, Watts JA, Calafat AM, Botelho JC, Sinkovskaya E, Przybylska A, Saade G, Abuhamad A, Ferguson KK. Urinary flow rate and specific gravity across gestation: Considerations for the analysis of urinary environmental chemical concentrations during pregnancy. 2025 Nov. *Epidemiology*. Pages: 26. [In press]
3. Hull S, Ferguson KK, **Stevens DR**, Hougaard KS, Lindh C, Petersen KU, Flachs EM, Wise LA, Wilcox A, Guo P, Liew Z, Brix N, Ramlau-Hansen CH, Toft G, Bonde JP, Tottenborg SS. Prenatal exposure to endocrine disrupting chemicals and BMI trajectories from birth to adulthood: A study of males from the Danish National Birth Cohort. Pages: 21. [Submitted]
4. Siwakoti RC, **Stevens DR**, Ferguson KK, Cantonwine DE, Cathey A, Mukherjee B, McElrath TF, Meeker JD. Associations between prenatal per- and polyfluoroalkyl substances (PFAS) exposure and fetal growth measurements in utero and at birth in the LIFECODES cohort: 2006-2019. Pages: 18. [Submitted]
5. McNell EE†, **Stevens DR**, McNell EE, Welch BM, Fenton S, Calafat AM, Botelho JC, Sinkovskaya E, Przybylska A, Saade G, Abuhamad A, Ferguson KK. Longitudinal patterns of urinary biomarkers of placental and renal function in pregnancy and associations with early pregnancy exposure to phthalates and replacements. Pages: 40. [Submitted]

Non-Refereed Publications – Published

1. Gichangi A, Korte JE, Wambua J, Vrana C, **Stevens D**. (2017). Increasing male partner HIV testing using self-test kits in Kenya, 3ie impact evaluation report 62. New Delhi: International Initiative for Impact Evaluation (3ie). Link: <https://3ieimpact.org/sites/default/files/2019-12/IE62-kenya-partner-self-testing.pdf>

Selected Peer Reviewed Presentations

1. **Stevens DR**, Sinkovskaya E, Przybylska A, Saade G, Abuhamad A, Ferguson K. Investigating Fetal Development Using 3D Ultrasounds: Applications to Understanding the Developmental Impacts of Exposure to Endocrine-Disrupting Chemicals. (June 2025) Invited oral presentation for the Birth Defects Research and Prevention Conference, Denver, CO, US
2. Hinton KM†, **Stevens DR**, Sinkovskaya E, Przybylska A, Abuhamad A, Saade G, Ferguson K. Longitudinal trajectories of fetal liver growth among SGA, AGA, LGA infants. (August 2024) Poster presentation for NIEHS EB Science Days and Summer Internship Program, Durham, NC, US
3. **Stevens DR**, Sinkovskaya E, Przybylska A, Abuhamad A, Nehme L, Diab Y, Onishi K, Saade G, Ferguson K. Gestational exposure to endocrine disrupting chemicals and fetal liver

development: findings from the HPP 3D Study. (August 2024) Rapid oral presentation for the International Society for Environmental Epidemiology Conference, Santiago, Chile

4. **Stevens DR**, Goldberg M, Adgent M, Chin H, Baird D, Stallings V, Rogan W, Umbach DM, Ferguson KK. (March 2024) Environmental phenols and growth in infancy. Invited oral presentation for HEEDS EDC-North Carolina Working Group Fourth Annual Scientific Meeting, Durham, NC, US
5. Math-Earth T†, **Stevens DR**, Sinkovskaya E, Przybylska A, Abuhamad A, Saade G, Ferguson K. (July 2023) Racial disparities in phthalate exposure and birthweight outcomes. Poster presentation for NIEHS Summer Internship Program, Durham, NC, US
6. **Stevens DR**, Bommarito PA, Welch BM, Ospina M, Calafat A, Cantonwine DE, McElrath TF, Ferguson KK. (June 2023). Organophosphate ester flame retardants and plasticizers in relation to fetal growth in the LIFECODES Fetal Growth Study. Invited oral presentation for the International Society for Environmental Epidemiology North American Conference, Corvallis, OR, US
7. Van Winkle K†, **Stevens DR**, Sinkovskaya E, Przybylska A, Abuhamad A, Saade G, Ferguson K. (July 2022) Gestational weight gain and phthalate exposure. Poster presentation for NIEHS Summer Internship Program, Durham, NC, US
8. **Stevens DR**, Keil AP, Bommarito P, McElrath T, Barrett ES, Bush N, Nguyen R, Sathyaranayana S, Swan S, Ferguson K. (November 2021) Urinary phthalate metabolite mixtures in pregnancy, omega-3s, and fetal growth. Invited oral presentation for the US Developmental Origins of Health and Disease 2021, Chapel Hill, NC, US
9. **Stevens DR**, Ferguson PL, Commodore A, Cobbs, JR, Vena JE, Hunt KJ. (June 2019). The association between a child's built environment, activity levels, and adiposity: A multi-racial cohort of children. Poster presentation at the Society for Epidemiologic Research 52nd Annual Meeting, Minneapolis, MN, US
10. **Stevens DR**, Newman R, Taylor S, Roberts J, Vena J, Neelon B, Hunt KJ. (June 2018). The effect of intrauterine exposure to maternal metabolic disorders on offspring anthropometry in a predominantly African American cohort. Invited oral presentation at the Canadian Society for Epidemiology and Biostatistics National Student Conference, Thunder Bay, Ontario, CA
11. **Stevens D**, The, N, Powers, AR, & Fair, ML (July 2015). Culinary Creations: A community-based support for policy change in the elementary school nutrition environment. Poster presentation for the Society of Nutrition Education and Behavior Annual Conference, Pittsburgh, PA.

Selected Non-Refereed Presentations

1. **Stevens DR**. (November 2025). Phenotyping Fetal Growth: Applications to Understanding the Developmental Impacts of Exposure to Endocrine Disrupting Chemicals. Invited oral presentation for the UNC Reproductive, Perinatal, Pediatric Epidemiology Seminar, Chapel Hill, NC, US
2. **Stevens DR**. (October 2025). Investigating Fetal Development using 3D Ultrasounds: Applications to Understanding the Developmental Impacts of Exposure to Endocrine Disrupting Chemicals. Invited oral presentation for the UNC Environmental/Occupational Seminar, Chapel Hill, NC, US

3. **Stevens DR**, Werder E (January 2025). NIH Pathway to Independence Award (K99/R00). Invited oral presentation for the UNC Center for Environmental Health and Susceptibility, Virtual
4. **Stevens DR**. (November 2022). Environmental chemical exposures associated with fetal and pediatric growth. Invited oral presentation for the Region IV Public Health Training Center at the Medical University of South Carolina, Charleston, SC, US
5. **Stevens DR**. (February 2022). Maternal prenatal omega-3 supplementation and infant obesity and atopic outcomes. Oral presentation for Office of Dietary Supplements, Virtual
6. **Stevens DR**. (February 2019). Impact of pregnancy intention on maternal and infant health. Oral presentation for South Carolina Pregnancy Risk Assessment Monitoring System Quarterly Webinars, Charleston, SC, US
7. **Stevens DR**. (February 2017). An epidemiologic examination of the developmental origins of obesity. Oral presentation for the MUSC Department of Public Health Sciences Brown Bag Lecture Series, Charleston, SC, US
8. **Stevens DR**, Vrana-Diaz CJ, Ndeche E, Korte JK, DeCelles J. (March 2018). Soccer as a grassroots intervention to tackle HIV/AIDS. Invited oral presentation for the MUSC Global Health Week 2018, Charleston, SC, US
9. **Stevens DR**, Segars M, Beauclair B, Maxam M, Elam S, Rackley E. (March 2016). Student engagement in global health. Invited oral presentation for the MUSC Global & Public Health Week 2016, Charleston, SC, US
10. **Stevens DR**, Vrana-Diaz CJ. (November 2015). Implementation of an HIV self-testing intervention among ANC patients. Oral presentation for Medical University of South Carolina, Charleston, SC, US

TEACHING AND MENTORING

Lectures

1. “Group-Based Trajectory Modelling” for Advanced Reproductive Epidemiology, University of North Carolina – Chapel Hill | 2024, 2026 (planned)
2. “Mediation and Study Design” for Environmental Health and Epidemiology, Duke University | 2023, 2024, 2026 (Planned)
3. “Intro to Causal Inference” for Advanced Epidemiologic Methods, Oregon State University | 2023, 2024
4. “Data Management & Good Coding Practices” for Fellows Seminar, NIEHS | 2022, 2023, 2024
5. “Maternal and Child Health” for Intro to Public Health, Xavier University | 2022

Teaching Assistant

1. Epidemiology III, Medical University of South Carolina | 2018
2. Teaching Assistant for Epidemiology I | 2016
3. Teaching Assistant for Design & Conduct of Epidemiologic Studies | 2016

Students Supervised

1. Belle Martin, Epidemiology MPH Student | 2026 – Present

Primary mentor for research assistantship (16 hrs/week, weekly meetings)

Deliverables: Lead literature review. Presently drafting manuscript

2. Carson Mowrer, Biostatistics PhD Student | 2025 – Present

Primary mentor for research assistantship (10 hrs/week, biweekly meetings)

Deliverables: Conduct analyses and establish procedures for reproducibility (Git/Github) in Stevens Lab. Presently drafting manuscripts

3. Rebecca Noga, Epidemiology PhD Student | 2025 – Present

Dissertation committee member (meetings as needed)

Deliverables: Presently drafting manuscripts and planning dissertation proposal

4. Andrea Chalem, Epidemiology PhD Student | 2025 – Present

Mentor in methodology and analysis (biweekly meetings, as needed)

Deliverables: Research presentation to audiences at UNC. Presently drafting manuscript

5. Kaleigh Hinton, Epidemiology PhD Student | 2024 – Present

Primary mentor for the NIH Summer Internship Program (twice weekly meetings) and Special Volunteer (monthly meetings, as needed)

Deliverables: Develop and present poster to audiences at NIEHS, and research presentation to audiences at UNC. Presently drafting manuscript

6. Ta'Asia Math-Earth, Undergraduate Summer Intern | 2023

Deliverables: Enhanced understanding of how to conduct epidemiologic research.

Developed and presented poster to audiences at NIEHS

7. Kimi Van Wickle, Epidemiology PhD Student | 2022 – Present

Primary mentor for the NIH Summer Internship Program (weekly meetings) and Special Volunteer (monthly meetings, as needed)

Deliverables: Awarded 2nd place poster from among all NIEHS graduate interns. Presently drafting manuscript

8. Erin McNell, Toxicology and Environmental Medicine PhD Student | 2022 – 2025

Mentor in methodology and analysis for dissertation work (weekly meetings, as needed)

Deliverables: Successful completion of degree program

GRANTS

Active

R00ES035107-02 (formerly K99ES035107-01) September 2025 – Present

National Institute of Environmental Health Sciences

Phthalates and Phthalate Alternatives and Early Human Cardiometabolic Development

Amount, % effort: \$249,000/year, 30%

Role: PI

Completed

No Grant Number Nov 2020 – Nov 2021

Office of Dietary Supplements Research Scholars Award

Maternal Prenatal Fatty Acid Supplementation and Offspring Immune Dysregulation

Amount, % effort: \$100,000, 30%

Role: PI

UL1 TR001450, TL1 TR001451

Oct 2016 – July 2018

National Center for Advancing Translational Sciences

Prenatal and Early Life Exposures and Subsequent Cardiometabolic Risk

Role: Trainee

PROFESSIONAL SERVICE

Leadership

NIEHS Fellows Grant Peer Review Board Chair (2022-2024)

NIEHS Repro Lunch Coordinator (2022-2024)

NICHD Maternal Fetal Medicine Coordinator (2019-2021)

Committees

SPER Outreach (2022 – Present)

SER Communications (2022 – 2025)

NIEHS Epidemiology Branch Fellows' Council (2022 – 2024)

SPER Trainee committee (2020 – 2022)

SPER Communications (2019 – Present)

Symposia

Co-chair and organizer for selected SPER symposium “Pinpointing homogenous groups in heterogeneous data: applications of latent trajectory modelling in perinatal and pediatric research” (2023)

Grant or Application Reviewer

UNC-Chapel Hill Center for Environmental Health and Susceptibility Pilot Proposal (2024)

NIEHS Climate Change and Your Community Environmental Health Challenge (2024)

UKRI Future Leaders Fellowship Grant (2023)

Asthma + Lung UK Research Grant (2022)

ISEE Short Course (2020)

MUSC Global Health Case Competition (2019)

MUSC Global Health Trainee Travel Grant (2016)

Peer Reviewer

Reproductive, perinatal, and pediatric journals: JAMA Pediatr, Paediatr Perinat Epidemiol, Am J Obstet Gynecol, Matern Child Health J, Early Hum Dev

Environmental journals: Environ Res, Environ Health, Environ Int, Int J Environ Res Public Health, Sci Total Environ, Environ Sci & Technol

Cardiovascular, obesity, and nutrition journals: Heart, Obes Sci Pract, Childhood Obesity, Public Health Nutr, Eur J Clin Nutr, Nutrients

Epidemiology and public health journals: Epidemiology, Am J Epidemiol, Int J Epidemiol, Eur J Epidemiol, Ann Epidemiol, PLOS One, BMJ Open, BMC Public Health

RESEARCH STATEMENT

I am an epidemiologist working at the intersection of cardiovascular, environmental, and perinatal and pediatric epidemiology. The goal of my research program is to inform public health policy and interventions by conducting rigorous and high-impact research on the gestational origins of diseases with a focus on cardiometabolic conditions. To accomplish this goal, I seek to understand how modifiable exposures impact pregnancy and early human development, and how these events, in turn, impact cardiometabolic and other health outcomes across the life course. Leveraging advanced technologies and statistical methods, I seek to improve assessment of environmental and nutritional exposures as well as pregnancy and cardiometabolic outcomes. This research addresses a critical need: informing public health interventions by identifying critical windows of exposure and mechanisms underlying associations between modifiable exposures and adverse maternal-offspring health outcomes.

I am currently focused on examining associations between environmental chemicals and early human cardiometabolic development. Funded by a K99/R00, I am leading an interdisciplinary team of clinicians (obstetricians and gynecologists, maternal-fetal medicine, cardiologists) and researchers (biostatisticians, epidemiologists) in the characterization of fetal development via 3D ultrasonography and assessments of pediatric cardiometabolic health.

TEACHING STATEMENT

I am deeply committed to contributing to the scientific community through teaching and mentoring. My teaching experience begins during my graduate studies, in which I served a teaching assistant for three graduate courses (Epidemiology I and III, Design & Conduct of Epidemiologic Studies). In addition, I have completed trainings including a 9-week NIH Scientists Teaching Science course on didactic theories and techniques. I have two years of service as a chair on the NIEHS Fellows Grant Peer Review Board, for which I organized lectures and speakers, and provided feedback to fellows on grant materials. Finally, I have lectured at several universities and to both undergraduate and graduate audiences on topics ranging from broad (e.g., Maternal and Child Health) to subject-specific (e.g., Group-based Trajectory Modelling). Based on these experiences and trainings, I have developed a dynamic but structured learning environment for students. My primary teaching goal is to ensure all students feel welcome and learn to think critically in the classroom as well as in their everyday lives.