

Brianna F. Moore, Ph.D.

Assistant Professor
Department of Epidemiology
Colorado School of Public Health University of Colorado Anschutz Medical Campus
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Education

- Ph.D. in Environmental Health, Epidemiology Specialization 2015.
Colorado State University
- Honors: 2015 Environmental Health Outstanding Graduate Student Researcher
- M.S. in Health Sciences 2012.
The University of Texas at Tyler
- Honors: Phi Kappa Phi National Honor Society (top 10% of Graduate students)
- B.S. in Health Studies 2010.
The University of Texas at Tyler
- Honors: Graduated *cum laude*; President's Honor Roll; Alpha Chi Honor Society

Current Position

Assistant Professor 2022—Present.
Department of Epidemiology
Colorado School of Public Health, University of Colorado Anschutz Medical Campus

Research Experience

- Assistant Professor 2020—2022.
Department of Epidemiology, Human Genetics and Environmental Sciences
The University of Texas Health Science Center (UTHealth)
- Postdoctoral Fellow 2016—2019.
Lifecourse Epidemiology of Adiposity and Diabetes (LEAD) Center
Colorado School of Public Health, University of Colorado Anschutz Medical Campus
- Statistical Consultant (part-time position) 2016—2017.
Vermont Department of Health

Postdoctoral Fellow (part-time position) 2016.
The Department of Environmental and Radiological Health Sciences
Colorado State University

Graduate Research Assistant 2012—2015.
The Department of Environmental and Radiological Health Sciences
Colorado State University

Graduate Research Assistant 2010—2012.
Department of Health and Kinesiology
The University of Texas at Tyler

Current Research Support

Early-life exposure to secondhand smoke and childhood obesity
National Institute of Environmental Health Sciences (NIEHS) R00ES028711
03/01/2020—02/28/2023.
\$735,051
Role: PI (50% effort)

Transportability of effect estimates and cross-cohort comparisons in the ECHO program
NIH ECHO Opportunities and Infrastructure Fund UC2OD023375
09/01/2020—08/31/2022.
\$200,000
Role: Co-investigator (5% effort)

Completed Research Support

Cannabis use in pregnancy and offspring growth and development
UTHealth Center for Clinical and Translational Sciences (CCTS) Pilot Project
11/01/2020—06/30/2021.
\$34,049
Role: PI (5% effort)

Cannabis use in pregnancy and offspring glucose-insulin traits
UTHealth PRIME Award for New Investigators
09/01/2020—08/31/2021.
\$24,036
Role: PI (no salary support)

Early-life exposure to secondhand smoke and childhood obesity
National Institute of Environmental Health Sciences (NIEHS) K99ES028711
08/15/2018—12/31/2020.
\$159,180

Role: PI (100% effort)

Secondhand smoke exposure and metabolic disorders among U.S. children

American Heart Association 14PRE18230007

01/01/2014—12/31/2015.

\$50,000

Role: PI-Fellow (100% effort)

Obesity, eating habits, and body dissatisfaction among Texas adolescents

UT Tyler Office of Sponsored Research

01/01/2010—05/30/2010.

\$2,000

Role: PI-Undergraduate trainee (no salary support)

Peer-Reviewed Publications

1. **Moore BF**, Sauder KA, Shapiro ALB, Crume T, Kinney GL, Dabelea D. Fetal exposure to cannabis and childhood metabolic outcomes: The Healthy Start study. *The Journal of Endocrinology and Metabolism*. Accepted February 17, 2022.
2. **Moore BF**, Martenis S, Magzamen S, Starling AP, Dabelea D. Joint effects of maternal smoking and ambient air pollution on neonatal adiposity and childhood BMI trajectories in the Healthy Start study. *Environmental Epidemiology*. 2021 May 5;5(3):e142.
3. Venter C, Palumbo MP, Sauder KA, Glueck DH, Starling A, Ringham BM, O'Mahony L, **Moore BF**, Yang IV, Dabelea D. Examining associations between dietary inflammatory index in pregnancy, pro-inflammatory cytokine and chemokine levels at birth, and offspring asthma and/or wheeze by age 4 years. *J Acad Nutr Diet*. 2021 Oct;121(10):2003-2012.e3.
4. Shapiro ALB, **Moore BF**, Sutton B, Wilkening G, Dabelea D, Tregellas JR. In utero exposure to maternal overweight and obesity alters offspring neuronal activity and functional connectivity in middle-childhood. *Obesity*. 2020 Sep;28(9):1718-1725.
5. **Moore BF**,* Sauder KA, Ringham BM, Glueck DH, Dabelea D. Neonatal adiposity and childhood obesity. *Pediatrics*. 2020 Sep;146(3):e20200737.

**Invited by the Editorial Board to submit a video abstract.*

6. Starling AP, **Moore BF**, Thomas DSK, Peel JL, Zhang W, Adgate JL, Magzamen SL, Martenies SE, Allshouse WB, Harrall KK, Dabelea D. Prenatal exposure to traffic-related air pollution and infant adiposity: The Healthy Start Study. *Environmental Research. Environ Res*. 2020 Mar;182:109-130.
7. Prinzing L, **Moore BF**, Grass D, Vose S, Voigt J, Chen H, Schuren A, Spiese R, Schwer

- C, Schmeltzer J, Cragin L. Assessment of and response to perfluorooctanic acid in drinking water, Bennington, Vermont. *J Environ Health*. 2020 April; 82(8):8-15.
8. **Moore BF**, Butler LM, Bachand A, Salim A, Reynolds SJ, Wang R, Nelson TL, Carmella SG, Peel JL, Murphy SE, Koh W-P, Yuan J-M, Clark ML. Diet, secondhand smoke, and glycated hemoglobin (HbA1c) levels among Singapore Chinese adults. *International Journal of Environmental Research and Public Health*. 2019 Dec 17;16(24). pii: E5148.
 9. **Moore BF**, Shapiro AL, Wilkening G, Magzamen S, Starling AP, Allshouse WB, Adgate JL, Dabelea D. Fetal exposure to tobacco and offspring neurodevelopment in the Healthy Start study. *Journal of Pediatrics*. 2019 Nov 20. pii: S0022-3476(19)31467-2.
 10. Hockett CW, Harrall K, **Moore BF**, Starling A, Bellatorre A, Sauder K, Aalborg J, Scherzinger A, Garg K, Ringham BM, Glueck DH, Dabelea D. Persistent effects of in utero overnutrition on offspring adiposity: the EPOCH study. *Diabetologia*. 2019 Nov;62(11):2017-2024.
 11. Koehler K, Good N, Wilson A, Mölter A, **Moore BF**, Carpenter T, Peel JL, Volckens J. The Fort Collins Commuter Study: Variability in personal exposure to air pollutants by microenvironment. *Indoor Air*. 2019 Mar;29(2):231-241
 12. **Moore BF**, Starling AP, Magzamen S, Harrod CD, Allshouse WB, Adgate JL, Ringham BM, Glueck DH, Dabelea D. Fetal exposure to maternal active and secondhand smoking and offspring early-life growth in the Healthy Start study. *International Journal of Obesity*. 2019 Apr;43(4):652-662.
 13. **Moore BF**, Sauder KA, Hébert JR, Shivappa N, Ringham BM, Glueck DH, Dabelea D. Maternal pro-inflammatory diets during pregnancy and neonatal adiposity in the Healthy Start study. *Journal of Pediatrics*. 2018 Apr;195:121-127.
 14. **Moore BF**, Sauder KA, Starling AP, Ringham BM, Glueck DH, Dabelea D. Exposure to secondhand smoke, exclusive breastfeeding and infant adiposity at age 5 months in the Healthy Start study. *Pediatric Obesity*. 2017;12:111-119.
 15. Magzamen S, **Moore BF**, Yost MG, Fenske RA, Karr CJ. Ozone-related respiratory morbidity in a low-pollution region. *Journal of Occupational and Environmental Medicine*. 2017 Jul;59(7):624-630.
 16. **Moore BF**, Anderson GB, Johnson MG, Brown S, Bradley KK, Magzamen S. Case-crossover analysis of heat-coded deaths and vulnerable subpopulations: Oklahoma, 1990 – 2011. *International Journal of Biometeorology*. 2017 Nov;61(11):1973-1981.
 17. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. Interactions between diet and exposure to secondhand smoke on glycated hemoglobin (HbA1c) levels among children — Results from NHANES, 2007-2012. *Nicotine and Tobacco*

Research. 2017 Jul 1;19(7):845-851.

18. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. Interactions of diet and secondhand smoke on the prevalence of obesity among children — Results from NHANES, 2007-2010. *Environmental Health Perspectives*. 2016 Aug;124(8):1316-22.
19. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. Interactions of diet and secondhand smoke on the prevalence of metabolic syndrome among children — Results from NHANES, 2007-2010. *Journal of Clinical Endocrinology and Metabolism*. 2016 Jan;101(1):52-8.
20. Good N, Mölter A, Ackerson C, Bachand A, Carpenter T, Clark ML, Clark P, Fedak K, Kayne A, Koehler K, **Moore BF**, L'Orange C, Ugave V, Peel JL, Stuart A, Volckens J. The Fort Collins Commuter Study: Impact of route type and transport mode on personal exposure to multiple air pollutants. *Journal of Exposure Science and Environmental Epidemiology*. 2016 Jun;26(4):397-404.
21. **Moore BF**, Sorensen W, Bowden-Bryan P. Associations of sex, age and community clinic with hypertension and dyslipidemia among Hispanics in Northeast Texas. *American Journal of Hypertension Research*. 2014;2(1):1-7.
22. **Moore BF**, Pérez A, Sorensen W, Gosselin K, Ballard JE, Saxton DL. Regional and racial/ethnic differences in the association between eating habits, perceived social norms and obesity among Texas adolescents. *Texas Public Health Journal*. 2014;66(2):6-10.
23. **Moore BF**, Sorensen W, Cooper C, Daussat L. Evaluation of a newly implemented undergraduate global health course in the public university setting. *Journal of General Education*. 2012;6(4):505-526.

Manuscripts In Preparation

Mentored student is indicated by an asterisk.

1. **Moore BF**, Kreitner K,* Starling AP, Martenies S, Magzamen S, Clark M, Dabelea D. Early-life exposure to tobacco and childhood adiposity: Identifying windows of susceptibility. *Under review*.
2. **Moore BF**, Sauder KA, Hébert E, Hoyt AT, Wymore EM, Shapiro ALB, Kinney GL, Dabelea D. Fetal exposure to cannabis, neonatal adiposity, and postnatal growth trajectories: The Healthy Start study. *Under review*.
3. Ames JL, Burjak M, Avalos LA, Braun J, Bulka C, Croen L, DeMicco E, Donghai L, Ferreara A, Fry R, Hedderson M, Karagas MR, Lang A, Lin P, Lyall K, **Moore BF**, Morello-Frosch R, OConner T, Padula A, Woodruff T, Zhu Y, Hamra GB. Prenatal exposure to mixtures of perfluoroalkyl substances (PFAS) and autism-related outcomes. *Under review*.

4. **Moore BF**, Salmons KA,* Hoyt AT,* Shapiro ALB, Sauder KA, Wilkening G, Swenson K, Bates E, Kinney GL, Dabelea D. Fetal exposure to cannabis and childhood behavior at age 5 years: The Healthy Start study. *In preparation*.
5. Martenies SE, Hoskovec L, Wilson A, **Moore BF**, Starling AP, Allshouse WB, Adgate JL, Dabelea D, Magzamen S. A mixtures approach to assessing relationships between environmental and social determinants of health and neonatal size and body composition in the Healthy Start cohort. *In preparation*.
6. Kowalski K, Starling A, Ringham B, **Moore BF**, Dabelea D, Auerbach J, Martenies S, Magzamen S. Neighborhood walkability, historical redlining, and childhood obesity in Denver, Colorado. *In preparation*.
7. Hoyt AT,* Wilkinson AV, Langlois PH, Galeener CE, Ranjit N, Sauder KA, Dabelea D, **Moore BF**. Prenatal exposure to tobacco and adverse birth outcomes: Effect modification by maternal diet and folate intake. *In preparation*.
8. Hoyt AT,* Wilkinson AV, Langlois PH, Galeener CE, Ranjit N, Dabelea D, **Moore BF**. Prenatal exposure to tobacco and childhood cognition and behavior: Effect modification by maternal folate intake and breastfeeding duration. *In preparation*.
9. Hoyt AT,* Wilkinson AV, Langlois PH, Galeener CE, Ranjit N, Dabelea D, **Moore BF**. Prenatal and early-life to tobacco and childhood cognition and behavior: Understanding periods of susceptibility. *In preparation*.

Conference Presentations

1. **Moore BF**, Sauder KA, Shapiro ALB, Crume T, Kinney GL, Dabelea D. “Fetal exposure to cannabis and childhood metabolic outcomes: The Healthy Start study.” Poster presentation at the 2022 Annual Meeting for the Pediatric Academic Societies. Denver, Colorado, United States. April 22, 2022.
2. **Moore BF**, Kreitner K, Starling AP, Martenies S, Magzamen S, Clark M, Dabelea D. “Early-life exposure to secondhand smoke and childhood adiposity: Identifying windows of susceptibility.” Oral presentation at the 2021 Annual Meeting for the Society for Pediatric and Perinatal Epidemiology. Virtual. June 10, 2021.
3. Byrd-Williams C, Matthews K, Stagg J, **Moore BF**. “Are you aware of federal and state laws to protect breastfeeding women? Results from the 2016 Texas Behavioral Risk Factor Surveillance Survey (BRFSS).” Oral Presentation at the American Public Health Association 2020 Virtual Annual Meeting and Expo. October 24-28, 2020.
4. Martenies SE, Hoskovec L, Wilson A, **Moore BF**, Starling AP, Allshouse WB, Adgate JL, Dabelea D, Magzamen S. “A mixtures approach to assessing relationships between environmental and social determinants of health and neonatal size and body composition in the Healthy Start cohort.” Oral presentation at the International Society for Environmental Epidemiology (ISEE) Virtual Conference. Virtual. August 24-27, 2020.

5. **Moore BF**, Starling AP, Martenies S, Magzamen S, Dabelea D. “Maternal smoking and exposure to ambient air pollution during pregnancy on BMI trajectories in the Healthy Start study.” Poster presentation at the International Society for Environmental Epidemiology (ISEE) Virtual Conference. Virtual. August 24-27, 2020.
6. **Moore BF**, Shapiro AL, Wilkening G, Magzamen S, Starling AP, Allshouse WB, Adgate JL, Dabelea D. “Fetal exposure to tobacco and offspring neurodevelopment in the Healthy Start study.” Poster presentation at the 31st conference International Society for Environmental Epidemiology (ISEE). Utrecht, Netherlands. August 25-29, 2019.
7. Hockett CW, Starling A, **Moore BF**, Bellatorre, A, Aalborg J, Sauder K, Scherzinger A, Garg K, Ringham BM, Glueck DH, Dabelea D. “Adiposity and cardiovascular markers in offspring of women with diabetes during pregnancy.” Oral presentation at the 78th American Diabetes Association Scientific Sessions. Orlando, Florida, United States. June 22-25, 2018.
8. **Moore BF**, Sauder KA, Hébert JR, Shivappa N, Ringham BM, Glueck DH, Dabelea D. “Dietary inflammatory potential during pregnancy, maternal obesity, and neonatal body composition: the Healthy Start study.” Oral presentation at the 77th American Diabetes Association Scientific Sessions. San Diego, California, United States. June 9-13, 2017.
9. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. “Interactions between diet and exposure to secondhand smoke on glycated hemoglobin (HbA1c) levels among children, NHANES, 2007-2010”. Poster presentation at the 2016 Epidemiology Congress of the Americas Meeting. Miami, Florida, United States. June 21-24, 2016.
10. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. “Interactions of diet and secondhand smoke on the prevalence of metabolic syndrome among children, NHANES, 2007-2010”. Poster presentation at the 48th Society for Epidemiologic Research Annual Meeting. Denver, Colorado, United States. June 16-19, 2015.
11. **Moore BF**, Clark ML, Bachand A, Reynolds SJ, Nelson TL, Peel JL. “Interactions of diet and secondhand smoke on the prevalence of obesity among children, NHANES, 2007-2010”. Poster presentation at the 48th Society for Epidemiologic Research Annual Meeting. Seattle, Washington, United States. June 24-27, 2014.
12. Good N, Carpenter T, **Moore BF**, Clark M, Kayne A, Koehler K, L’Orange C, Stuart A, Peel J, Volckens J. “The Fort Collins Commuter Study: Multi-pollutant spatio-temporal exposure assessment.” Peer-reviewed abstract presented at the 2013 Conference Environment and Health – Bridging South, North, East and West; Conference of ISEE, ISES and ISIAQ, Basel, Switzerland. Basel, Switzerland, Europe. August 19-23, 2013.
13. Koehler KA, Good N, **Moore BF**, L’Orange C, Clark ML, Kayne A, Stuart A, Peel JL, Volckens J. “A Holistic Approach to Microenvironmental Exposure Assessment: Home, Work, and Commute Personal Exposures to Particulate Air Pollution” Peer-reviewed abstract presented at the 2013 Conference Environment and Health – Bridging South,

North, East and West; Conference of ISEE, ISES and ISIAQ, Basel, Switzerland. Basel, Switzerland, Europe. August 19-23, 2013.

14. **Moore BF**, Pérez A, Sorensen W, Gosselin K, Perez A, Ballard J. “Diet-related behaviors, perceived social norms and obesity among Texas adolescents.” Poster presentation at the 10th International Functional Foods in Health and Disease Conference. Santa Barbara, California, United States. March 13-15, 2012.
15. **Moore BF**, Pérez A, Sorensen W, Gosselin K, Perez A, Ballard J. “Diet motivations and body dissatisfaction among adolescent females”. Poster presentation at the Alpha Chi National Scholarship Honor Society Convention. Little Rock, Arkansas, United States. March 25-27, 2010.

Invited Seminars and Presentations

1. “Tobacco exposure and children’s health: Identifying critical windows and joint effects.” Presentation with the Colorado School of Public Health, The University of Colorado Anschutz Medical Campus, Aurora, Colorado. July 22, 2021.
2. “Tobacco exposure and children’s health: Identifying critical windows and joint effects.” Presentation at the Michael and Susan Dell Center for Healthy Living Webinar Series, Austin, Texas. July 8, 2021. Webinar attended by 210 participants.
3. “Fetal origins of obesity: The role of nutrition and the environment”. Presentation at the Michael and Susan Dell Center for Healthy Living Webinar Series, Austin, Texas. November 3, 2020. Webinar attended by 310 participants.
4. “Prenatal exposure to tobacco and childhood neurocognitive development”. Presentation at the University of Texas Health Science Center at Houston Environmental and Occupational Health and Safety (EOHS) Research Series. Virtual meeting. San Antonio, Texas. October 23, 2020.
5. “Proinflammatory diets during pregnancy and neonatal adiposity”. Presentation for the Pre-, Peri-, Postnatal (PPP) Working Group. Virtual meeting hosted by Environmental Influences on Child Health Outcomes (ECHO). May 27, 2020.

Teaching Experience

Instructor for *PH 2762: Environmental Epidemiology* Fall 2021.
The University of Texas Health Science Center in Austin

- Developed and taught a course exploring topics related to environmental health, with a focus on epidemiological study designs, biases, and methodological challenges in linking chemical exposures in the environment to human disease.

Guest Lecturer for *PBH 338: Environmental Health* Spring 2020.
The University of Texas

- Taught one lecture entitled “Developmental Origins of Health and Disease” to a large (100 student) introductory course for the undergraduate program.

Assistant Instructor for *EPID 7912: Developing a Research Grant* Fall 2019.
Colorado School of Public Health, University of Colorado Anschutz Medical Campus

- Provided critical feedback on grant proposals to 11 PhD and MD students.
- Organized in-person Mock Study Section with faculty from the Medical School, School of Public Health, and other departments.

Assistant Instructor for *EPID 6630: Epidemiology* Fall 2017.
Colorado School of Public Health, University of Colorado Anschutz Medical Campus

- Taught six lectures throughout the semester to a large (130 student) introductory course for the MPH program.
- Held weekly scheduled meetings with students to discuss course topics in depth.

Teaching Assistant for *ERHS 332: Principles of Epidemiology* Fall 2012.
Colorado State University

- Proctored quizzes and exams and evaluated student coursework

Teaching Assistant for *ERHS 320: Water Quality* Spring 2013.
Colorado State University

- Taught two lectures on bacterial and viral pathogens in recreational water to a mid-size (50 student) introductory course for the undergraduate program.

Mentoring

Academic Advising:

- 7 MPH students, 2021-2022 Academic Year
- 6 MPH students, 2020-2021 Academic Year

Masters Students:

- Kaytlyn Salmons, GRA on fetal exposure to cannabis and childhood behavior project, resulting in coauthored paper. Role: GRA Sponsor Spring 2022.
- Sophia Cantor, Organizer for Q2, Vax Together Austin, and Austin City Limits Vaccination Clinics. Role: Practicum Advisor Fall 2021.
- Kimberly Kreitner, “One Health Implications of Harmful Algal Blooms in Austin and Travis County.” Role: Thesis Supervisor, GRA Sponsor Spring 2021.

Doctoral Students:

- Adrienne Hoyt, “Maternal smoking during pregnancy, adverse birth outcomes, and pediatric behavior and neurodevelopment: Exploring joint effects and periods of susceptibility.” Role: Dissertation Supervisor, GRA Sponsor Spring 2022.
- Lynne Heilbrun, “Health implications of recently discovered exogenous chemicals in children’s baby teeth” Role: Committee Member
- June Chou, “Influence of mothers' postpartum employment status and workplace accommodations on breastfeeding duration.” Role: External Reviewer

Academic and Professional Service

Service to the School and Department

Colorado School of Public Health:

- Organizer for Departmental Seminar Series 2017—2018.
Department of Epidemiology

UTHealth:

- Preliminary Exam Organizer 2022.
Department of Epidemiology, Human Genetics, and Environmental Sciences
- Supporting Faculty Member 2021.
Southwest Center for Occupational and Environmental Health
- EOHS Preliminary Exam Contributor 2021.
Department of Epidemiology, Human Genetics, and Environmental Sciences
- Reviewer for Ron Harris Scholarship 2020, 2021.
Michael and Susan Dell Center for Healthy Living

Service to the Profession

Writing Team Member 2018—Present.

Environmental Influences on Child Health Outcomes (ECHO)

- *EC54*: Effect of maternal diet on perinatal inflammation: Targeting interventions to optimize birth outcomes
- *EC232*: Prenatal exposure to mixtures of perfluoroalkyl substances (PFAS) and autism-related outcomes
- *EC237*: Joint effects of prenatal air pollution and folate on pediatric neurodevelopment
- *EC520*: The impact of maternal smoking during pregnancy on childhood blood pressure

- *EC236*: A biomarker panel to distinguish e-cigarette use from other types of tobacco use
- *EC525*: Toward a robust measure of behavior problems: an ECHO-wide item-level analysis of CBCL 1.5-5

Journal Referee

Child and Adolescent Obesity, Diabetologia (2020 key referee), Environmental Epidemiology, Health Education and Behavior, Journal of Perinatology, International Journal of Environmental Research and Public Health, International Journal of Pediatric Obesity, Nicotine and Tobacco Research, Nutrition, Obesity, Occupational and Environmental Medicine, Pediatrics, PLOS One, Population Health Metrics, Toxics.

*Reviewer profile: <https://publons.com/researcher/3901154/brianna-moore/>

Member

International Society for Environmental Epidemiology	2019-2021.
Society for Epidemiologic Research	2020-2021.
Society for Pediatric and Perinatal Epidemiologic Research	2021.

Last updated: March 1, 2022