

CURRICULUM VITAE

QUAKER ELIZABETH HARMON MD PhD

Education

- 1992 BSc Biology, University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1997 MD School of Medicine, University of Toronto, Toronto, Ontario
- 1999 CCFP Family Medicine, University of British Columbia, Vancouver, British Columbia
- 2012 PhD Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC

Employment

- 1997-2000 Family Medicine Residency, St. Paul's Hospital, Vancouver, British Columbia
- 2000-2001 Family Physician (Locum Tenens) Bayswater Family Practice, Vancouver, BC
- 2007 Teaching Assistant, Principles of Epidemiology Online, Schoenbach, Department of Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC
- 2009 Teaching Assistant, Introduction to Logic in Epidemiology, Poole, Department of Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC
- 2009-2011 Research Assistant (Savitz/Siega-Riz) Department of Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC
- 2010 Teaching Assistant, Theory and Quantitative Methods in Epidemiology, Poole Department of Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC
- 2011-2012 Research Assistant (Engel) Department of Epidemiology, UNC Gillings School of Global Public Health, Chapel Hill, NC
- 2012-2016 IRTA Postdoctoral Fellow, Epidemiology Branch, National Institute of Environmental Health Sciences
- 2016-2017 Research Fellow, PI Baird. Epidemiology Branch, National Institute of Environmental Health Sciences
- 2017-present Staff Scientist, PI Baird. Epidemiology Branch, National Institute of Environmental Health Sciences

Teaching Activities

- 2008-2010 Guest Lecturer. Natural History of Disease and Screening. Schoenbach. UNC Gillings School of Global Public Health
- 2013-present Guest Lecturer. Introduction to Reproductive Epidemiology. Engel, Olshan, Desrosiers. UNC Gillings School of Global Public Health
- 2017-present Invited seminar speaker. Reproductive, Pediatric and Perinatal Epidemiology Seminar Series. Daniels, Engle. UNC Gillings School of Global Public Health
- 2018-present Adjunct UNC Gillings School of Global Public Health

Service Activities

- 2012-present External Manuscript Reviews: Fertility and Sterility, Human Reproduction, Environmental Health Perspectives, American Journal of Epidemiology, Epidemiology, PLOS ONE, AJOG, Paediatric and Perinatal Epidemiology
- 2012-present Internal Manuscript Reviews (NIEHS): Epidemiology Branch, Biostatistics and Computational Biology Branch, National Toxicology Program, Reproductive and Developmental Biology Branch, Clinical Research Branch
- 2013 Reproductive Epidemiology Journal Club, Organizer
- 2014-2021 NIEHS Representative to the NICHD PregSource Project

- 2015-2016 Vitamin D Journal Club, NIEHS, Organizer
- 2016 Environmental Health Science Fest, Volunteer
- 2018-present Member of All of Us Working Groups: NIEHS Representative to Planning Meeting, Member of NIEHS Environmental Module Working Group, Consultant to NIEHS ICAD (International Common Disease Alliance) All of Us Concept Working Group
- 2019-present Member Clinical Advisory Committee (NIEHS)
- 2019 Planning committee, Reproductive Epidemiology—Past, Present and Future Symposium
- 2019-2020 Planning committee, The Basic Science of Uterine Fibroids Scientific Meeting
- 2019-present Liaison for Epidemiology Branch Training Committee
- 2019-present Member Hiring Committees, Epidemiology Branch Administrative Assistant and Staff Scientists
- 2021-present Environmental Health Disparities Faculty
- 2021-2022 Planning committee for “NIEHS Environmental Impacts of Women’s Health Disparities and Reproductive Health Workshop” (April 27-28, 2022)
- 2021-2022 Planning Committee for “Integrating Climate and Environmental Data and Justice into the All of Us Research Program” (July 28-29, 2022)

Training and Mentoring

- 2016-2020 Dissertation Committee (UNC Gillings School of Global Public Health, Epidemiology), Sarah Hoffman (Currently Senior Researcher, HealthCore)
- 2017-present Trainees and early career faculty affiliated with the Women’s Health Group (PI Baird). I provide statistical advice, manuscript review, grant review and other support to the trainees and early career faculty in this group (6 since 2017).
- 2017-present Informal mentorship to Epidemiology, Clinical Research Branch, and other DIR Branch trainees, especially those considering joint MD/PhD programs.
- 2019 NIH Summer Intern Program. Amber Hall (UNC Gillings School of Public Health)
- 2019 First Opponent for Dissertation Defense, Carl Baravelli, University of Bergen, Norway
- 2020-present NIH Predoctoral Research Service Award recipient, Clinical Research Branch. Lauren Chen (Oregon State University)
- 2021-present NIH Summer Intern Program. Mekhala Dissanayake (UNC Gillings School of Public Health)

Honors and Distinctions

- 1988-1992 Morehead Scholar at the University of North Carolina at Chapel Hill
- 1991 Order of the Golden Fleece; in recognition of outstanding contributions to UNC
- 1992 The Robert E. Coker Award; Excellence in Organismal and Ecological Research
- 1992 Phi Beta Kappa University of North Carolina at Chapel Hill
- 1994 Medical Alumni Association Research Scholarship, University of Toronto
- 2012 Delta Omega, The Honorary Public Health Society, Theta Chapter
- 2014 Fellows Award for Excellence in Research, National Institutes of Health
- 2014 Student Paper Prize Award, Society for Pediatric, Perinatal Epi. Research
- 2014 Fellow of the Year, National Institute of Environmental Health Sciences
- 2017-2022 Intramural Papers of the Month (Sept 2017, Dec 2020, Aug 2022 (two)), NIEHS
- 2020 Highlighted Research (May 2020), Environmental Factor, NIEHS
- 2022 NIEHS Service Award: planning the Environmental Impacts on Women’s Health Disparities and Reproductive Health Conference

Professional Development and DEIAC Training

- 2021 Beyond CVs, OITE training on cognitive bias in the hiring and selection process
- 2021 Groundwater Training from the Racial Equity Institute
- 2022 Raising a Resilient Scientist. Five sessions and five small groups focusing on mentoring and building a supportive, inclusive environment for trainees at NIH
- 2022-2023 OIR/COSWD Diversity, Equity, Inclusion and Accessibility Workshop. Eight workshops focusing on DEIA at NIH.
- 2023 NIEHS Leadership Development Program
- 2023 Psychological Safety in the Workplace, Civility and Respect: Recognizing and Addressing Microaggressions

Professional Membership

- 2008-present Society for Epidemiologic Research
- Society for Pediatric and Perinatal Research

Invited Oral Presentations and Symposia

2012

Applying inverse probability weighting to estimate risk ratios when genotyping data are available in a subset, Society for Epidemiological Research, Minneapolis, MN

Polymorphisms in genes associated with natural killer cells are associated with preterm birth, Society for Epidemiological Research, Minneapolis, MN

2013

Association between Depo-Provera and prevalent fibroids in young African American women, Triangle Reproductive Biology Consortium, Durham, NC

2014

Preeclampsia and the risk of fetal death, Society for Perinatal and Pediatric Epidemiologic Research, Seattle, WA

2015

Use of estrogen-containing contraception is associated with increased levels of serum 25-hydroxyvitamin D, Society for Perinatal and Paediatric Epidemiologic Research, Denver, CO

2016

Two denominators for one numerator: The case of neonatal mortality, Society for Perinatal and Pediatric Epidemiologic Research, Epidemiology Congress of the Americas, Miami, FL

2019

Preeclampsia: Advances using clinically validated data, University of Bergen, Department of Global Public Health and Primary Care, Bergen, Norway

2020

Use of depot medroxyprogesterone acetate reduces fibroid growth and incidence: a prospective study, Society for Perinatal and Pediatric Epidemiologic Research, Boston, MA

2021

Use of depot medroxyprogesterone acetate reduces fibroid growth and incidence: a prospective study, NIEHS DIR Council General Meeting, Durham, NC

Body mass index and C-reactive protein: time to revisit who has acute inflammation in population-based cohorts? Society for Epidemiologic Research Annual Meeting, San Diego, CA

2022

Serum vitamin D and fibroid growth, incidence and loss. Society for Epidemiologic Research Annual Meeting, Chicago, IL

2022

Epidemiologic contribution to understanding environmental impact on women's health: Study of

Environment Lifestyle & Fibroids. 57th Meeting of the NIH Advisory Committee on Research on Women's Health, Virtual

2023

Pregnancy outcomes and long-term health in birthing people. Oral abstract symposium chair. Society of Epidemiologic Research Annual Meeting, Portland, OR

Peer-Reviewed Publications

1. Ogunsina K, Sandler DP, Murphy JD, **Harmon QE**, D'Aloisio AA, Baird DD, O'Brien KM. Association of genital talc and douche use in early adolescence or adulthood with uterine fibroids diagnoses. *Am J Obstet Gynecol*. 2023 Aug 18:S0002-9378(23)00549-5. doi: 10.1016/j.ajog.2023.08.014. Epub ahead of print. PMID: 37598998.
2. Basnet P, Skjaerven R, **Harmon QE**, Wilcox AJ, Klungsøyr K, Sørbye LM, Morken NH, Kvalvik LG. Birthweight of the subsequent singleton pregnancy following a first twin or singleton pregnancy. *Acta Obstet Gynecol Scand*. 2023 Aug 28. doi: 10.1111/aogs.14644. Epub ahead of print. PMID: 37641452.
3. Wesselink AK, Wegienka G, Coleman CM, Geller RJ, **Harmon QE**, Upson K, Lovett SM, Claus Henn B, Marsh EE, Noel NL, Baird DD, Wise LA. A prospective ultrasound study of cigarette smoking and uterine leiomyomata incidence and growth. *Am J Obstet Gynecol*. 2023 May 4:S0002-9378(23)00279-X. doi: 10.1016/j.ajog.2023.04.041. Epub ahead of print. PMID: 37148957.
4. Langton CR, Gerety M, **Harmon QE**, Baird DD. Keloids, hypertrophic scars, and uterine fibroid development: a prospective ultrasound study of Black/African American women. *F S Sci*. 2023 Apr 5:S2666-335X(23)00017-4. doi: 10.1016/j.xfss.2023.03.006. Epub ahead of print. PMID: 37028513. PMCID: PMC10200770
5. Langton CR, **Harmon QE**, Upson K, Baird DD. Soy-based infant formula feeding and uterine fibroid development in a prospective ultrasound study of Black/African-American women. *Environ Health Perspect*. 2023 Jan;131(1):17006. doi: 10.1289/EHP11089. Epub 2023 Jan 25. PMID: 36696103; PMCID: PMC9875846.
6. Wegienka G, Havstad S, Coleman C, Cooper T, Wesselink A, Upson K, Marsh EE, Vines AI, **Harmon Q**, Baird D, Wise LA. Ultrasound-confirmed, age-specific uterine leiomyoma incidence in a cohort of Black individuals. *Obstet Gynecol*. 2022 Nov 3. doi: 10.1097/AOG.0000000000004997. Epub ahead of print. PMID: 36357982; PMCID: PMC9712257.
7. Langton CR, Whitcomb BW, Purdue-Smithe AC, **Harmon QE**, Hankinson SE, Manson JE, Rosner BA, Bertone-Johnson ER. Association of adverse pregnancy outcomes and multiple gestation with natural menopause: A population-based cohort study. *Maturitas*. 2022 Oct 22;167:82-89. doi: 10.1016/j.maturitas.2022.10.003. Epub ahead of print. PMID: 36308975; PMCID: PMC9712230.
8. Basnet P, Skjaerven R, Sørbye LM, Morken NH, Klungsøyr K, Singh A, Mannseth J, **Harmon QE**, Kvalvik LG. Long-term cardiovascular mortality in women with twin pregnancies by lifetime reproductive history. *Paediatr Perinat Epidemiol*. 2022 Sep 29. doi: 10.1111/ppe.12928. Epub ahead of print. PMID: 36173007; PMCID: PMC10087704.
9. **Harmon QE**, Patchel SA, Denslow S, LaPorte F, Cooper T, Wise LA, Wegienka G, Baird DD. Vitamin D and uterine fibroid growth, incidence, and loss: a prospective ultrasound study. *Fertil Steril*. 2022 Sep 20:S0015-0282(22)01373-5. doi: 10.1016/j.fertnstert.2022.08.851. Epub ahead of print. PMID: 36150919; PMCID: PMC9771933.
10. Geller RJ, Wesselink AK, Upson K, Claus Henn B, Schildroth S, Wright R, Coleman CM, Willis MD, Bethea TN, Williams PL, **Harmon QE**, Baird DD, Wegienka G, Wise LA. Correlates of

whole blood metal concentrations among reproductive-aged Black women. *J Expo Sci Environ Epidemiol.* 2022 Sep 14. doi: 10.1038/s41370-022-00477-y. Epub ahead of print. PMID: 36104525. PMCID: PMC10011018.

11. **Harmon QE**, Patchel SA, Zhao S, Umbach DM, Cooper TE, Baird DD. Depot medroxyprogesterone acetate use and the development and progression of uterine leiomyoma. *Obstet Gynecol.* 2022 May 1;139(5):797-807. doi: 10.1097/AOG.0000000000004745. Epub 2022 Apr 5. PMID: 35576339; PMCID: PMC9015023.
12. Moore KR, **Harmon QE**, Zhao S, Taylor BD, Baird DD. Bacterial vaginosis and prospective ultrasound measures of uterine fibroid incidence and growth. *Epidemiology (Cambridge, Mass).* 2022 May 1;33(3):415-421. doi: 10.1097/ede.0000000000001463. PubMed PMID: 35067565; PMCID: PMC10029099.
13. O'Brien KM, **Harmon QE**, Jackson CL, Diaz-Santana MV, Taylor JA, Weinberg CR, Sandler DP. Vitamin D concentrations and breast cancer incidence among Black/African American and non-Black Hispanic/Latina women. *Cancer.* 2022 Jul 1;128(13):2463-2473. doi: 10.1002/cncr.34198. Epub 2022 Apr 25. PMID: 35466399; PMCID: PMC9177687.
14. Carlsen E, **Harmon Q**, Magnus MC, Meltzer HM, Erlund I, Stene LC, Håberg SE, Wilcox AJ. Glycated haemoglobin (HbA1c) in mid-pregnancy and perinatal outcomes. *Int J Epidemiol.* 2022 Jun 13;51(3):759-768. doi: 10.1093/ije/dyab270. PMID: 34993542; PMCID: PMC9189945.
15. O'Brien KM, Keil AP, **Harmon QE**, Jackson CL, White AJ, Diaz-Santana MV, Taylor JA, Sandler DP. Vitamin D supplement use and risk of breast cancer by race-ethnicity. *Epidemiology (Cambridge, Mass).* 2022;33(1):37-47. Epub 2021/12/01. doi: 10.1097/EDE.0000000000001413. PubMed PMID: 34847083; PMCID: PMC8641477.
16. Bauer AE, Avery CL, Shi M, Weinberg CR, Olshan AF, **Harmon QE**, Luo J, Yang J, Manuck T, Wu MC, Klungsoyr K, Trogstad L, Magnus P, Engel SM. Do genetic variants modify the effect of smoking on risk of preeclampsia in pregnancy? *Am J Perinatol.* 2021 Nov 28. doi: 10.1055/s-0041-1740072. Epub ahead of print. PMID: 34839469. PMCID: PMC10127527.
17. Wise LA, Wesselink AK, Schildroth S, Calafat AM, Bethea TN, Geller RJ, Coleman CM, Fruh V, Claus Henn B, Botelho JC, **Harmon QE**, Thirkill M, Wegienka GR, Baird DD. Correlates of plasma concentrations of per- and poly-fluoroalkyl substances among reproductive-aged Black women. *Environ Res.* 2022;203:111860. Epub 2021/08/18. doi: 10.1016/j.envres.2021.111860. PubMed PMID: 34403666; PMCID: PMC8616815.
18. Wise LA, Wesselink AK, Bethea TN, Brasky TM, Wegienka G, **Harmon Q**, Block T, Baird DD. Intake of lycopene and other carotenoids and incidence of uterine leiomyomata: a prospective ultrasound study. *J Acad Nutr Diet.* 2021;121(1):92-104. Epub 2020/12/23. doi: 10.1016/j.jand.2020.08.013. PubMed PMID: 33350944; PMCID: PMC7768815.
19. Wesselink AK, Weuve J, Fruh V, Bethea TN, Claus Henn B, **Harmon QE**, Hauser R, Williams PL, Calafat AM, McClean M, Baird DD, Wise LA. Urinary concentrations of phenols, parabens, and triclocarban in relation to uterine leiomyomata incidence and growth. *Fertility and sterility.* 2021. Epub 2021/08/10. doi: 10.1016/j.fertnstert.2021.07.003. PubMed PMID: 34366109. PMCID: PMC8627427.
20. Roell KR, **Harmon QE**, Klungsoyr K, Bauer AE, Magnus P, Engel SM. Clustering longitudinal blood pressure trajectories to examine heterogeneity in outcomes among preeclampsia cases and controls. *Hypertension (Dallas, Tex : 1979).* 2021;77(6):2034-44. Epub 2021/04/06. doi: 10.1161/HYPERTENSIONAHA.120.16239. PubMed PMID: 33813841; PMCID: PMC8119318.
21. Moore KR, **Harmon QE**, Baird DD. Herpes Simplex Virus Type 2 seroprevalence and incidence and growth of ultrasound-diagnosed uterine fibroids in a large population of young African-American women. *American journal of epidemiology.* 2021;190(10):2158-62. Epub 2021/05/27. doi: 10.1093/aje/kwab160. PubMed PMID: 34038935. PMCID: PMC8576383

22. Leppert PC, Al-Hendy A, Baird DD, Bulun S, Catherino W, Dixon D, Ducharme M, **Harmon QE**, Jayes FL, Paul E, Perucho AM, Segars J, Simon C, Stewart EA, Teixeira J, Tinelli A, Tschumperlin D, Zota AR. Summary of the Proceedings of the Basic Science of Uterine Fibroids Meeting: New Developments February 28, 2020. *F S Sci.* 2021;2(1):88-100. Epub 2021/06/15. doi: 10.1016/j.xfss.2020.11.001. PubMed PMID: 34124698; PMCID: PMC8192074.
23. Bernardi LA, Weiss MS, Waldo A, **Harmon Q**, Carnethon MR, Baird DD, Wise LA, Marsh EE. Duration, recency, and type of hormonal contraceptive use and anti-Müllerian hormone levels. *Fertility and Sterility.* 2021;116(1):208-17. Epub 2021/03/24. doi: 10.1016/j.fertnstert.2021.02.007. PubMed PMID: 33752880; PMCID: PMC8217153.
24. Wilcox AJ, **Harmon Q**, Doody K, Wolf DP, Adashi EY. Preimplantation loss of fertilized human ova: estimating the unobservable. *Human reproduction (Oxford, England).* 2020;35(4):743-50. Epub 2020/04/17. doi: 10.1093/humrep/deaa048. PubMed PMID: 32296829; PMCID: PMC8287936.
25. Upson K, **Harmon QE**, Heffron R, Hall JE, Wise LA, Wegienka G, Tokar EJ, Baird DD. Depot medroxyprogesterone acetate use and blood lead levels in a cohort of young women. *Environmental health perspectives.* 2020;128(11):117004. Epub 2020/11/19. doi: 10.1289/EHP7017. PubMed PMID: 33206002; PMCID: PMC7673223.
26. Sun BZ, Moster D, **Harmon QE**, Wilcox AJ. Association of preeclampsia in term births with neurodevelopmental disorders in offspring. *JAMA psychiatry.* 2020;77(8):823-9. Epub 2020/04/03. doi: 10.1001/jamapsychiatry.2020.0306. PubMed PMID: 32236510; PMCID: PMC7113825.
27. Steinhorsdottir V, McGinnis R, Williams NO, Stefansdottir L, Thorleifsson G, Shooter S, Fadista J, Sigurdsson JK, Auro KM, Berezina G, Borges MC, Bumpstead S, Bybjerg-Grauholm J, Colgiu I, Dolby VA, Dudbridge F, Engel SM, Franklin CS, Frigge ML, Frisbaek Y, Geirsson RT, Geller F, Gretarsdottir S, Gudbjartsson DF, **Harmon Q**, Hougaard DM, Hegay T, Helgadottir A, Hjartardottir S, Jaaskelainen T, Johannsdottir H, Jonsdottir I, Juliusdottir T, Kalsheker N, Kasimov A, Kemp JP, Kivinen K, Klungsoyr K, Lee WK, Melbye M, Miedzybrodska Z, Moffett A, Najmutdinova D, Nishanova F, Olafsdottir T, Perola M, Pipkin FB, Poston L, Prescott G, Saevarsdottir S, Salimbayeva D, Scaife PJ, Skotte L, Staines-Urias E, Stefansson OA, Sorensen KM, Thomsen LCV, Tragante V, Trogstad L, Simpson NAB, Consortium F, Consortium G, Aripova T, Casas JP, Dominiczak AF, Walker JJ, Thorsteinsdottir U, Iversen AC, Feenstra B, Lawlor DA, Boyd HA, Magnus P, Laivuori H, Zakhidova N, Svyatova G, Stefansson K, Morgan L. Genetic predisposition to hypertension is associated with preeclampsia in European and Central Asian women. *Nat Commun.* 2020;11(1):5976. Epub 2020/11/27. doi: 10.1038/s41467-020-19733-6. PubMed PMID: 33239696; PMCID: PMC7688949.
28. Kvalvik LG, Wilcox AJ, Skjaerven R, Ostbye T, **Harmon QE**. Term complications and subsequent risk of preterm birth: registry based study. *BMJ (Clinical research ed).* 2020;369:m1007. Epub 2020/05/01. doi: 10.1136/bmj.m1007. PubMed PMID: 32349968; PMCID: PMC7188013.
29. Kana MA, Safiyan H, Yusuf HE, Musa ASM, Richards-Barber M, **Harmon QE**, London SJ. Association of intimate partner violence during pregnancy and birth weight among term births: a cross-sectional study in Kaduna, Northwestern Nigeria. *BMJ Open.* 2020;10(12):e036320. Epub 2020/12/04. doi: 10.1136/bmjopen-2019-036320. PubMed PMID: 33268398; PMCID: PMC7716372.
30. Hoffman SR, Nicholson WK, Smith JS, Jonsson Funk M, Hudgens MG, Poole C, Baird DD, **Harmon QE**. Reasons for hormonal contraceptive use in a cohort of African-American women living in the Detroit area. *Contraception.* 2020;102(5):346-8. Epub 2020/08/10. doi: 10.1016/j.contraception.2020.07.093. PubMed PMID: 32768397; PMCID: PMC7606661.

31. **Harmon QE**, Kissell K, Jukic AMZ, Kim K, Sjaarda L, Perkins NJ, Umbach DM, Schisterman EF, Baird DD, Mumford SL. Vitamin D and reproductive hormones across the menstrual cycle. *Human reproduction (Oxford, England)*. 2020;35(2):413-23. Epub 2020/02/19. doi: 10.1093/humrep/dez283. PubMed PMID: 32068843; PMCID: PMC7986370.
32. Gaston SA, James-Todd T, Riley NM, Gladney MN, **Harmon QE**, Baird DD, Jackson CL. Hair maintenance and chemical hair product usage as barriers to physical activity in childhood and adulthood among African American women. *Int J Environ Res Public Health*. 2020;17(24). Epub 2020/12/17. doi: 10.3390/ijerph17249254. PubMed PMID: 33322020; PMCID: PMC7762987.
33. Gaston SA, James-Todd T, **Harmon Q**, Taylor KW, Baird D, Jackson CL. Chemical/straightening and other hair product usage during childhood, adolescence, and adulthood among African-American women: potential implications for health. *Journal of exposure science & environmental epidemiology*. 2020;30(1):86-96. Epub 2019/10/24. doi: 10.1038/s41370-019-0186-6. PubMed PMID: 31641276; PMCID: PMC6917990.
34. Baird DD, Patchel SA, Saldana TM, Umbach DM, Cooper T, Wegienka G, **Harmon QE**. Uterine fibroid incidence and growth in an ultrasound-based, prospective study of young African Americans. *American journal of obstetrics and gynecology*. 2020;223(3):402 e1- e18. Epub 2020/02/28. doi: 10.1016/j.ajog.2020.02.016. PubMed PMID: 32105679; PMCID: PMC8039858.
35. Kresovich JK, **Harmon QE**, Xu Z, Nichols HB, Sandler DP, Taylor JA. Reproduction, DNA methylation and biological age. *Human reproduction (Oxford, England)*. 2019;34(10):1965-73. Epub 2019/10/11. doi: 10.1093/humrep/dez149. PubMed PMID: 31600381; PMCID: PMC7209774.
36. Kazmi N, Sharp GC, Reese SE, Vehmeijer FO, Lahti J, Page CM, Zhang W, Rifas-Shiman SL, Rezwan FI, Simpkin AJ, Burrows K, Richardson TG, Santos Ferreira DL, Fraser A, **Harmon QE**, Zhao S, Jaddoe VWV, Czamara D, Binder EB, Magnus MC, Haberg SE, Nystad W, Nohr EA, Starling AP, Kechris KJ, Yang IV, DeMeo DL, Litonjua AA, Baccarelli A, Oken E, Holloway JW, Karmaus W, Arshad SH, Dabelea D, Sorensen TIA, Laivuori H, Raikkonen K, Felix JF, London SJ, Hivert MF, Gaunt TR, Lawlor DA, Relton CL. Hypertensive disorders of pregnancy and dna methylation in newborns. *Hypertension (Dallas, Tex : 1979)*. 2019;74(2):375-83. Epub 2019/06/25. doi: 10.1161/HYPERTENSIONAHA.119.12634. PubMed PMID: 31230546; PMCID: PMC6635125.
37. O'Brien KM, Sandler DP, Shi M, **Harmon QE**, Taylor JA, Weinberg CR. Genome-Wide association study of serum 25-hydroxyvitamin D in US women. *Frontiers in genetics*. 2018;9:67. Epub 2018/03/17. doi: 10.3389/fgene.2018.00067. PubMed PMID: 29545823; PMCID: PMC5838824.
38. Moore KR, **Harmon QE**, Baird DD. Serum 25-hydroxyvitamin D and risk of self-reported bacterial vaginosis in a prospective cohort study of young African American women. *Journal of women's health (2002)*. 2018;27(10):1278-84. Epub 2018/06/14. doi: 10.1089/jwh.2017.6804. PubMed PMID: 29897832; PMCID: PMC6205036.
39. **Harmon QE**, Basso O, Weinberg CR, Wilcox AJ. Two denominators for one numerator: the example of neonatal mortality. *Eur J Epidemiol*. 2018;33(6):523-30. Epub 2018/03/09. doi: 10.1007/s10654-018-0373-0. PubMed PMID: 29516296; PMCID: PMC6023405.
40. Weinberg CR, Shi M, Basso O, DeRoo LA, **Harmon Q**, Wilcox AJ, Skjaerven R. Season of conception, smoking, and preeclampsia in Norway. *Environmental health perspectives*. 2017;125(6):067022. Epub 2017/07/04. doi: 10.1289/EHP963. PubMed PMID: 28669933; PMCID: PMC5743488.
41. Bauer AE, Avery CL, Shi M, Weinberg CR, Olshan AF, **Harmon QE**, Luo J, Yang J, Manuck TA, Wu MC, Williams N, McGinnis R, Morgan L, Klungsoyr K, Trogstad L, Magnus P, Engel SM. A family based study of carbon monoxide and nitric oxide signaling genes and preeclampsia.

- Paediatr Perinat Epidemiol. 2018;32(1):1-12. Epub 2017/09/08. doi: 10.1111/ppe.12400. PubMed PMID: 28881463; PMCID: PMC5771849.
42. Upson K, **Harmon QE**, Laughlin-Tommaso SK, Umbach DM, Baird DD. Soy-based infant formula feeding and heavy menstrual bleeding among young African American women. *Epidemiology (Cambridge, Mass)*. 2016;27(5):716-25. Epub 2016/05/20. doi: 10.1097/EDE.0000000000000508. PubMed PMID: 27196806; PMCID: PMC5425950.
 43. Upson K, **Harmon QE**, Baird DD. Soy-based infant formula feeding and ultrasound-detected uterine fibroids among young African-American women with no prior clinical diagnosis of fibroids. *Environmental health perspectives*. 2016;124(6):769-75. Epub 2015/11/14. doi: 10.1289/ehp.1510082. PubMed PMID: 26565393; PMCID: PMC4892927.
 44. Jukic AMZ, Upson K, **Harmon QE**, Baird DD. Increasing serum 25-hydroxyvitamin D is associated with reduced odds of long menstrual cycles in a cross-sectional study of African American women. *Fertility and sterility*. 2016;106(1):172-9 e2. Epub 2016/03/22. doi: 10.1016/j.fertnstert.2016.03.004. PubMed PMID: 26997249; PMCID: PMC4930882.
 45. He Q, Cai T, Liu Y, Zhao N, **Harmon QE**, Almli LM, Binder EB, Engel SM, Ressler KJ, Conneely KN, Lin X, Wu MC. Prioritizing individual genetic variants after kernel machine testing using variable selection. *Genetic epidemiology*. 2016;40(8):722-31. Epub 2016/08/05. doi: 10.1002/gepi.21993. PubMed PMID: 27488097; PMCID: PMC5118060.
 46. **Harmon QE**, Umbach DM, Baird DD. Use of estrogen-containing contraception is associated with increased concentrations of 25-Hydroxyvitamin D. *The Journal of clinical endocrinology and metabolism*. 2016;101(9):3370-7. Epub 2016/08/05. doi: 10.1210/jc.2016-1658. PubMed PMID: 27490916; PMCID: PMC5010573.
 47. **Harmon QE**, Huang L, Umbach DM, Klungsoyr K, Engel SM, Magnus P, Skjaerven R, Zhang J, Wilcox AJ. Risk of fetal death with preeclampsia. *Obstetrics and gynecology*. 2015;125(3):628-35. Epub 2015/03/03. doi: 10.1097/AOG.0000000000000696. PubMed PMID: 25730226; PMCID: PMC4347876.
 48. **Harmon QE**, Baird DD. Use of depot medroxyprogesterone acetate and prevalent leiomyoma in young African American women. *Human reproduction (Oxford, England)*. 2015;30(6):1499-504. Epub 2015/03/31. doi: 10.1093/humrep/dev069. PubMed PMID: 25820696; PMCID: PMC4447888.
 49. Baird DD, **Harmon QE**, Upson K, Moore KR, Barker-Cummings C, Baker S, Cooper T, Wegienka G. A prospective, ultrasound-based study to evaluate risk factors for uterine fibroid incidence and growth: methods and results of recruitment. *Journal of women's health (2002)*. 2015;24(11):907-15. Epub 2015/09/04. doi: 10.1089/jwh.2015.5277. PubMed PMID: 26334691; PMCID: PMC4649767.
 50. Starling AP, Engel SM, Richardson DB, Baird DD, Haug LS, Stuebe AM, Klungsoyr K, **Harmon Q**, Becher G, Thomsen C, Sabaredzovic A, Eggesbo M, Hoppin JA, Travlos GS, Wilson RE, Trogstad LI, Magnus P, Longnecker MP. Perfluoroalkyl substances during pregnancy and validated preeclampsia among nulliparous women in the Norwegian Mother and Child Cohort Study. *American journal of epidemiology*. 2014;179(7):824-33. Epub 2014/02/22. doi: 10.1093/aje/kwt432. PubMed PMID: 24557813; PMCID: PMC3969534.
 51. Klungsoyr K, **Harmon QE**, Skard LB, Simonsen I, Austvoll ET, Alsaker ER, Starling A, Trogstad L, Magnus P, Engel SM. Validity of pre-eclampsia registration in the medical birth registry of Norway for women participating in the Norwegian mother and child cohort study, 1999-2010. *Paediatr Perinat Epidemiol*. 2014;28(5):362-71. Epub 2014/07/22. doi: 10.1111/ppe.12138. PubMed PMID: 25040774; PMCID: PMC4167249.
 52. Hillesund ER, Overby NC, Engel SM, Klungsoyr K, **Harmon QE**, Haugen M, Bere E. Associations of adherence to the New Nordic Diet with risk of preeclampsia and preterm

delivery in the Norwegian Mother and Child Cohort Study (MoBa). *Eur J Epidemiol*. 2014;29(10):753-65. Epub 2014/09/07. doi: 10.1007/s10654-014-9948-6. PubMed PMID: 25193741; PMCID: PMC5410966.

53. **Harmon QE**, Engel SM, Wu MC, Moran TM, Luo J, Stuebe AM, Avery CL, Olshan AF. Polymorphisms in inflammatory genes are associated with term small for gestational age and preeclampsia. *American journal of reproductive immunology (New York, NY : 1989)*. 2014;71(5):472-84. Epub 2014/04/08. doi: 10.1111/aji.12241. PubMed PMID: 24702779; PMCID: PMC4040534.
54. Wu MC, Maity A, Lee S, Simmons EM, **Harmon QE**, Lin X, Engel SM, Molldrem JJ, Armistead PM. Kernel machine SNP-set testing under multiple candidate kernels. *Genetic epidemiology*. 2013;37(3):267-75. Epub 2013/03/09. doi: 10.1002/gepi.21715. PubMed PMID: 23471868; PMCID: PMC3769109.
55. **Harmon QE**, Laughlin SK, Baird DD. Keloids and ultrasound detected fibroids in young African American women. *PloS one*. 2013;8(12):e84737. Epub 2014/01/05. doi: 10.1371/journal.pone.0084737. PubMed PMID: 24386410; PMCID: PMC3874041.
56. **Harmon QE**, Engel SM, Olshan AF, Moran T, Stuebe AM, Luo J, Wu MC, Avery CL. Association of polymorphisms in natural killer cell-related genes with preterm birth. *American journal of epidemiology*. 2013;178(8):1208-18. Epub 2013/08/29. doi: 10.1093/aje/kwt108. PubMed PMID: 23982189; PMCID: PMC3792727.
57. Savitz DA, **Harmon Q**, Siega-Riz AM, Herring AH, Dole N, Thorp JM, Jr. Behavioral influences on preterm birth: integrated analysis of the pregnancy, infection, and nutrition study. *Maternal and child health journal*. 2012;16(6):1151-63. Epub 2011/10/13. doi: 10.1007/s10995-011-0895-5. PubMed PMID: 21989675; PMCID: PMC3605739.
58. Hay ME, **Kappel QE**, Fenical W. Synergisms in plant defenses against herbivores: Interactions of chemistry, calcification, and plant quality. *Ecology*. 1994;75(6):1714-1726. doi: 10.2307/1939631.

Peer-Reviewed Manuscripts (accepted/under revision/submitted/pre-print)

Komorowski AS, Jiang C, Berrocal VJ, Neff LM, Carnetho MR, Wise LA, **Harmon QE**, Baird DD, Marsh EE, Bernardi LA Associations of reproductive and breastfeeding history with anti-müllerian hormone concentrations among reproductive aged women. Accepted, *Reproductive BioMedicine Online*, 2023

Kvalvik LG, Skjærven R, Sulo G, Singh A, **Harmon QE**, Wilcox AJ Pregnancy history at age 40 as a marker of cardiovascular risk. Accepted, *Journal of the American Heart Association*, 2023

Basnet P, Skjærven R, **Harmon QE**, Sørbye LM, Morken N-H, Singh A, Klungsøyr K, Kvalvik LG. Risk of adverse pregnancy outcomes in twin- and singleton-born women: an inter-generational cohort study. Accepted *BJOG*, 2023

Subramanian A, **Harmon QE**, Bernardia LA, Carnethon MR, Marsh EE, Baird DD, Jukic AMZ. Association between serum 25-hydroxyvitamin D and with anti-müllerian hormone. Under revision, *Fertility and Sterility*, 2023

Harmon QE, Patchel S, Denslow S, Wegienka G, Baird DD Body mass index and uterine fibroid development: a prospective study. Submitted *JCEM*, 2023

Hoffman SR, Smith JS, Funk MJ, Hudgens MG, Poole C, Nicholson WK, Baird DD, **Harmon QE** Combined oral contraceptive utilization and uterine fibroid incidence. Submitted, *PLOS ONE*, 2023

Langton DR, **Harmon QE**, Baird DD. Maternal history of fibroids and uterine fibroid development in offspring in a prospective ultrasound study of Black/African American women. Submitted AJOG, 2023

Taylor KW, Co CA, Gaston SA, Jackson CL, **Harmon QE**, Baird DD. Frequency of personal care product use among reproductive-aged Black women and associations with socio-demographic characteristics. Submitted JESEE, 2023

Chan LE, Casiraghi E, Putman T, Reese J, **Harmon QE**, Schaper K, Hedge H, Valentini G, Schmitt C, Motsinger-Reif A, Hall JE, Mungall CJ, Robinson PN, Haendel MA. Predicting nutrition and environmental factors associated with female reproductive disorders using a knowledge graph and random forests. medRxiv [Preprint]. 2023 Jul 16:2023.07.14.23292679. doi: 10.1101/2023.07.14.23292679. PMID: 37502882; PMCID: PMC10371183.

Commentaries, Letters

1. **Harmon QE**, Actkins KV, Baird DD. Fibroid Prevalence-Still So Much to Learn. JAMA Netw Open. 2023 May 1;6(5):e2312682. doi: 10.1001/jamanetworkopen.2023.12682. PMID: 37163271. PMCID: Exempted, not-peer reviewed.
2. Baird DD, **Harmon QE**. Relugolix - new treatment for uterine fibroid-related heavy bleeding. Nat Rev Endocrinol. 2021;17(6):321-2. Epub 2021/04/16. doi: 10.1038/s41574-021-00493-2. PubMed PMID: 33854216. PMCID: Exempted, not-peer reviewed.
3. **Harmon QE**, Brasky TM. Risk factors for uterine fibroids: time to build on what we have learned. Fertility and sterility. 2020;114(4):755-6. Epub 2020/09/11. doi: 10.1016/j.fertnstert.2020.07.059. PubMed PMID: 32907745. PMCID: Exempted, not-peer reviewed.
4. Jukic AMZ, **Harmon QE**. Accumulating evidence for vitamin D and conception. Fertility and sterility. 2020;113(2):330-1. Epub 2020/02/29. doi: 10.1016/j.fertnstert.2019.10.025. PubMed PMID: 32106980. PMCID: Exempted, not-peer reviewed.
5. **Harmon QE**. The burden of uterine fibroids: a search for primary and secondary prevention. Fertility and sterility. 2019;111(1):50-1. Epub 2019/01/07. doi: 10.1016/j.fertnstert.2018.10.031. PubMed PMID: 30611415. PMCID: Exempted, not-peer reviewed.
6. Wilcox AJ, Weinberg CR, Basso O, **Harmon QE**. Re: "Analyzing risks of adverse pregnancy outcomes". American journal of epidemiology. 2015;181(3):218. Epub 2015/01/24. doi: 10.1093/aje/kwu463. PubMed PMID: 25612573; PMCID: PMC4366592.