

Margaret A Adgent, MSPH, PhD
Curriculum Vitae
December 2023

PERSONAL INFORMATION

Office Address: Department of Health Policy
Vanderbilt University Medical Center
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Nashville, TN 37203

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EDUCATION

2006 – 2010 **PhD in Epidemiology**
Gillings School of Global Public Health
University of North Carolina at Chapel Hill

2002-2004 **MSPH in Public Health with Environmental Health/Toxicology concentration**
University of Alabama at Birmingham

1998-2002 **Bachelor of Science in Environmental Studies**
Bachelor of Arts in Biology
Minor: Public Health
George Washington University

PROFESSIONAL EXPERIENCE

2023 – present Research Associate Professor, Vanderbilt University Medical Center
Department of Health Policy, Nashville, TN

2019 – 2022 Research Assistant Professor, Vanderbilt University Medical Center
Department of Health Policy, Nashville, TN

2016 -- 2019 Research Assistant Professor, Vanderbilt University Medical Center
Division of General Pediatrics, Department of Pediatrics, Nashville, TN

2015 -- 2016 Research Fellow, National Institute of Environmental Health Sciences, NIH
Epidemiology Branch, Durham, NC

2010 -- 2015 Intramural Postdoctoral Fellow, National Institute of Environmental Health Sciences, NIH
Epidemiology Branch, Durham, NC

2007 -- 2008 Research Assistant (*intermittent*), University of North Carolina at Chapel Hill
Department of Epidemiology, Chapel Hill, NC

2004 -- 2006 Association of Schools of Public Health Fellow, U.S. Environmental Protection Agency

National Center for Environmental Assessment, Washington, DC

PROFESSIONAL ORGANIZATIONS

2019 – Present	International Society for Pharmacoepidemiology (ISPE)
2015 -- Present	Society for Epidemiologic Research (SER)
2015 -- Present	Society for Pediatric and Perinatal Epidemiologic Research (SPER)
2015 -- Present	International Society for Children’s Health and the Environment (ISCHE)
2004 – Present	Delta Omega Honorary Society in Public Health, Upsilon Chapter

PROFESSIONAL ACTIVITIES

Intramural Activities

2021 -- 2021	Vanderbilt Medical School: Public Health, Population Health and Prevention poster judge
2019 -- 2021	Vanderbilt MPH Program Public Health Practicum Colloquium abstract judge
2016 – Present	Vanderbilt Pre ³ Initiative Member
2016 – Present	Vanderbilt Epidemiology Center Member
2017 – Present	Vanderbilt Center for Health Services Research Scholar
2015-2016	NIEHS Epidemiology Branch Fellows’ Meeting Coordinator
2012-2013	NIEHS Reproductive Epidemiology Journal Club Coordinator NIEHS Biomedical Career Fair Planning Committee

Extramural Activities

Meeting Abstract and Award Review

2015, 2017 – 2019	Society for Pediatric and Perinatal Epidemiologic Research Meeting Abstracts
2012, 2013, 2018	Society for Epidemiologic Research Meeting Abstracts
2017	Society for Pediatric and Perinatal Epidemiologic Research Student Paper Award Review
2016, 2017	International Society for Environmental Epidemiology (ISEE) Meeting Abstracts

Journal Review

2023	American Journal of Preventive Medicine, International Journal of Environmental Research and Public Health, Pediatrics, Paediatric & Perinatal Epidemiology
2022	Environmental Health Perspectives
2021	Environmental Research
2019	Paediatric & Perinatal Epidemiology, International Journal of Hygiene and Environmental Health, Environment International
2018	Environmental Research, International Journal of Hygiene and Environmental Health
2016	Journal of Developmental and Behavioral Pediatrics, Molecular Nutrition and Food Research, Pediatric Research
2015 and prior	American Journal of Epidemiology, BMC Pediatrics, Environmental Health Perspectives, Environmental Research, JAMA Pediatrics, Journal of Nutrition

Awards

2017	Vanderbilt Pre ³ Initiative Travel Grant Award (\$750)
2016	Co-author, NIEHS Intramural Paper of the Month
2015	Fellows Award for Research Excellence, National Institutes of Health (\$1000 travel award)
2012	Best Poster Presentation, NIEHS Science Day (\$1000 travel award) First author, NIEHS Intramural Paper of the Month

TEACHING ACTIVITIES

Graduate School Courses

2021 – present	Teaching Assistant, PUBH 5501-01 Epidemiology I, Vanderbilt MPH Program (lead instructor: Carlos Grijalva)
2019 – present	Co-instructor, PUBH 5516-01 Public Health Practice, Vanderbilt MPH Program (lead instructor: Andrew Wiese)
2016 – 2020	Guest Lecturer, BCHM 8336 Biochemical and Molecular Toxicology, Department of Biochemistry, VUMC (Instructor: Aaron Bowman, Peter Guengerich). Lecture: <i>Toxicology of Early Life Exposures</i>
2016	Guest Lecturer, PUBH 5516-01 Public Health Practice, Vanderbilt MPH Program (lead instructor: Edmond Kabagambe). Lecture: <i>Consumer and Personal Care Product Chemicals</i>
2015-2016	Guest Lecturer, MHCH 680 Global Sexual and Reproductive Health, Department of Maternal and Child Health, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC (Instructor: Dorothy Cilenti) Lecture: <i>Environmental Exposures and Human Reproductive Health: Past, Present and Future</i>
2006	Teaching Assistant, EPID 600 Introductory Epidemiology, Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC (Instructor: Vic Schoenbach)

Mentoring Activities

1. Anjola-Oluwa Abisola Ajayi (2023-2024). Co- thesis mentor, Master of Public Health Program, Vanderbilt University School of Medicine
2. Catalina Padilla-Azain, MPH (2022-2023). Thesis mentor, Master of Public Health Program, Vanderbilt University School of Medicine
Thesis title: A nested case-control study of opioid analgesics and antidepressant prescriptions during pregnancy and the risk for preterm birth.
3. Sarah Grossarth, MPH (2021-2022). Thesis mentor, Master of Public Health Program, Vanderbilt University School of Medicine
Thesis title: Prenatal opioid use disorder exposure and infant mortality in Tennessee Medicaid, 2007-2019
4. Marsha Nickelberry, MPH (2020-2022). Mentor committee member, Master of Public Health Program, Vanderbilt University School of Medicine.
5. Lin Ammar, MPH (2019-2021). Mentor committee member, Master of Public Health Program, Vanderbilt University School of Medicine.

PUBLICATIONS AND PRESENTATIONS

Peer Reviewed Publications

1. **Adgent MA.** Environmental tobacco smoke and sudden infant death syndrome: a review. *Birth Defects Res B Dev Reprod Toxicol.* 77:69-85. 2006.
2. **Adgent MA,** Daniels JL, Edwards L, Siega-Riz AM, Rogan WJ. Early Life Soy Exposure and Gender-Role Play Behavior in Children. *Environ Health Perspect.* Dec;119(12):1811-6. 2011. PMID: 21813368 PMCID: PMC3261982 DOI: 10.1289/ehp.1103579.
Media coverage: <https://ehp.niehs.nih.gov/doi/10.1289/ehp.119-a525b>
3. **Adgent MA,** Daniels JL, Rogan WJ, Adair L, Edwards L, Westreich D, Maisonet M, Marcus M. Early Life Soy Exposure and Time to Menarche. *Paediatr Perinat Epidemiol.* Mar;26(2):163-75. 2012. PMID: 22324503 PMCID: PMC3443957 DOI: 10.1111/j.1365-3016.2011.01244.x.
4. **Adgent MA,** Squadrito GL, Ballinger CA, Krzywanski DM, Lancaster JR, Postlethwait EM. Desferrioxamine inhibits protein tyrosine nitration: Mechanisms and implications. *Free Radic Biol Med.* Aug 15;53(4):951-61. 2012. PMID: 22705369 PMCID: PMC3462664 DOI: 10.1016/j.freeradbiomed.2012.06.003.
5. Hoffman K, **Adgent M,** Davis Goldman B, Sjödin A, Daniels JL. Lactational Exposure to Polybrominated Diphenyl Ethers and Its Relation to Social and Emotional Development Among Toddlers. *Environ Health Perspect.* Oct;120(10):1438-42. 2012. PMID: 22814209 PMCID: PMC3491946 DOI: 10.1289/ehp.1205100.
6. **Adgent MA,** Flake GP, Umbach DM, Stallings VA, Bernbaum JC, Rogan WJ. Urogenital Epithelial Cells as Simple Markers of Estrogen Response in Infants: Methods and Applications. *PLoS ONE.* 8(10): e77061. 2013. PMID: 24146956 PMCID: PMC3797772 DOI: 10.1371/journal.pone.0077061.
7. **Adgent MA,** Hoffman K, Davis Goldman B, Sjödin A, Daniels JL. Brominated Flame Retardants in Breast Milk and Behavioral and Cognitive Development at 36 Months of Age. *Paediatr Perinat Epidemiol.* Jan;28(1):48-57. 2014. PMID: 24146956 PMCID: PMC3797772 DOI: 10.1371/journal.pone.0077061.
8. **Adgent MA,** Rogan WJ. Triclosan and prescription antibiotic exposures and enterolactone production in adults. *Environ Res.* Jun 23;142:66-71. 2015. PMID: 24146956 PMCID: PMC3797772 DOI: 10.1371/journal.pone.0077061.
Award (abstract): <https://factor.niehs.nih.gov/2014/7/spotlight-17fare/index.htm>
9. Wang Y, **Adgent M,** Su PH, Chen HY, Chen PC, Wang SL. Prenatal Exposure to Perfluorocarboxylic Acids (PFCAs) and Fetal and Postnatal Growth in the Taiwan Maternal and Infant Cohort Study. *Environ Health Perspect.* Nov;124 (11):1794-1800. 2016. PMID: 26895313 PMCID: PMC5089898 DOI: 10.1289/ehp.1509998.
10. Kaplan SL, Edgar JC, Ford E, **Adgent M,** Zemel BS, Schall J, Umbach DM, Rogan WJ, Stallings VA, Darge K. Size of testis, ovary, uterus, and breast buds by ultrasound in healthy full-term neonates aged 0-3 days. *Pediatric Radiology.* Dec; 46(13):1837-1847. 2016. PMID: 27580909 PMCID: PMC5744487 DOI: 10.1007/s00247-016-3681-0.
11. Harlid S, **Adgent M***, Jefferson WN*, Panduri V, Umbach DM, Xu Z, Stallings V, Williams CJ, Rogan WJ, Taylor JA. Early life exposure to soy formula affects DNA methylation of PRR5L in infant urogenital tissues. *Environ Health Perspect.* Mar; 125(3): 447-452. 2017. *equal contribution. PMID: 27539829 PMCID: PMC5332195 DOI: 10.1289/EHP428.
12. Ho SM, Cheong A, **Adgent MA,** Veevers J, Suen AA, Tam NN, Leung YK, Jefferson WN, Williams CJ. Environmental Factors, Epigenetics, and Developmental Origin of Reproductive Disorders. *Reprod Toxicol.* Mar; 68:85-104. 2017. PMID: 27421580 PMCID: PMC5233640 DOI: 10.1016/j.reprotox.2016.07.011

13. Roy A, Kocak M, Hartman TJ, Vereen S, **Adgent M**, Piyathilake C, Tylavsky FA, Carroll KN. Association of prenatal folate status with early childhood wheeze and atopic dermatitis. *Pediatr Allergy Immunol*. Mar; 29(2):144-150. 2018. PMID: 29168294 PMCID: PMC6087709 DOI: 10.1111/pai.12834.
14. **Adgent MA**, Umbach DM, Zemel BS, Kelly A, Schall JI, Ford EG, James K, Darge K, Botelho JC, Vesper HW, Chandler DW, Nakamoto JM, Rogan WJ, Stallings VA. A longitudinal study of estrogen-responsive tissues and hormone concentrations in infants fed soy formula. *J Clin Endocrinol Metab*. May 1;103(5):1899-1909. 2018. PMID: 29506126 PMCID: PMC6456922 DOI: 10.1210/jc.2017-02249.
Media coverage: <https://www.dailymail.co.uk/health/article-5495113/Soy-based-formulas-cause-early-sexual-maturity-baby-girls.html>
15. Upson K, **Adgent MA**, Wegienka G, Baird DD. Soy-based infant formula feeding and menstrual pain in a cohort of women aged 23-35 years. *Human Reproduction*. Jan 1; 34(1):148-154. 2019. PMID: 30412246 PMCID: PMC6296212 DOI: 10.1093/humrep/dey303.
Media coverage: <https://news.vumc.org/2018/12/13/study-links-soy-formula-feeding-and-menstrual-pain/>
16. Calle-Toro JS, Kelly A, Ford EJ, Zemel BS, Schall J, **Adgent M**, Umbach DM, Rogan WJ, Stallings VA, Darge K, Kaplan S. Incidental Findings during Ultrasound of Thyroid, Breast, Testis, Uterus and Ovary in Healthy Term Neonates. *Journal of Ultrasound*. 2019 Sep;22(3):395-400. PMID: 30811014 PMCID: PMC6704211 DOI: 10.1007/s40477-019-00365-6.
17. **Adgent MA***, Elsayed-Ali O*, Gebretsadik T, Tylavsky F, Kocak M, Cormier S, Wright RJ, Carroll KN. Maternal childhood and lifetime traumatic life events and infant bronchiolitis. *Paediatric and Perinatal Epidemiology*. 2019 Jul;33(4):262-270.*co-first authors. PMID: 31206733 PMCID: PMC6660418 DOI: 10.1111/ppe.12559.
18. Adams SN*, **Adgent M***, Gebretsadik T, Ortiz C, Vereen S, Hartman T, Tylavsky F, Carroll KN. Association between prenatal vitamin D levels and child asthma by race. *Journal of Maternal-Fetal & Neonatal Medicine*. 2019 May 2: 1-9. *co-first authors. PMID: 30983439 PMCID: PMC6824925 DOI: 10.1080/14767058.2019.1607286.
19. Gardner K, Gebretsadik T, Hartman TJ, Rosa M, Tylavsky F, **Adgent M**, Moore P, Kocak M, Wright R, Bush N, Lewinn K, Davis RL, Carroll KN. Prenatal omega-3 and omega-6 polyunsaturated fatty acid status and childhood atopic dermatitis. *JACI In Practice*. 2020 Mar; 8(3):937-944. PMID: 30983439 PMCID: PMC6824925 DOI: 10.1080/14767058.2019.1607286.
20. Rosa MJ, Hartman TJ, **Adgent M**, Gebretsadik T, Moore PE, Davis RL Kocak M, Lewinn KZ, Bush NR, Tylavsky F, Wright RJ, Carroll KN. Prenatal polyunsaturated fatty acids and child asthma: effect modification by maternal asthma and child sex. *J Allergy Clin Immunol*. 2020 Mar; 145(3):800-807. PMID: 30983439 PMCID: PMC6824925 DOI: 10.1080/14767058.2019.1607286.
21. Chin HB, Baird DD, Kaplan SL, Darge K, **Adgent MA**, Ford EG, Rogan WJ, Stallings VA, Umbach DM. Characterization of ovarian development in girls from birth to 9 months. *Paediatric and Perinatal Epidemiology*. 2021 Jan;35(1):75-82. PMID: 32285479 PMCID: PMC7554126 DOI: 10.1111/ppe.12673.
22. Shah R, Alshaikh B, Schall JI, Kelly A, Ford E, Zemel BS, Umbach DM, **Adgent MA**, Stallings VA. Endocrine-sensitive physical endpoints in newborns: ranges and predictors. *Pediatric Research*. 2021 Feb;89(3):660-666. PMID: 30983439 PMCID: PMC6824925 DOI: 10.1080/14767058.2019.1607286.
23. **Adgent MA***, Carroll KN*, Hazlehurst MF, Loftus CT, Szpiro AA, Karr CJ, Barrett ES, LeWinn KZ, Bush NR, Tylavsky FA, Kannan K, Sathyanarayana S. A combined cohort analysis of prenatal exposure to phthalate mixtures and childhood asthma. *Environment International*. 2020 Oct; 143:105970 *co-first authors. PMID: 30983439 PMCID: PMC6824925 DOI: 10.1080/14767058.2019.1607286.

24. Fuller C, Hua W, Leonard CE, Mosholder A, Carnahan R, Dutcher S, King K, Petrone AB, Rosofsky R, Shockro LA, Young J, Min JY, Binswanger I, Boudreau D, Griffin MR, **Adgent MA**, Kuntz J, McMahill-Walraven C, Pawloski PA, Ball R, Toh S. Developing a standardized and reusable method to link distributed health plan databases to the National Death Index: a methods development study protocol. *JMIR Research Protocols*. 2020 Nov 2;9(11):e21811. PMID: 33136063 PMCID: PMC7669437 DOI: 10.2196/21811.
25. Wiese AD, Osmundson SS, Mitchel E Jr, **Adgent M**, Phillips S, Patrick SW, Horn A, Samuels LR, Griffin MR, Grijalva CG. Prescription opioid dose after vaginal delivery and the risk of serious opioid-related events: a retrospective cohort study. *Womens Health Issues*. 2021. Jul-Aug;31(4):376-383. PMID: 33865673 PMCID: PMC8260443 DOI: 10.1016/j.whi.2021.03.002.
26. **Adgent MA**, Gebretsadik T, Reedus J, Graves C, Garrison E, Bush N, Davis R, LeWinn KZ, Tylavsky F, Carroll KN. Gestational diabetes and childhood asthma in a racially diverse US pregnancy cohort. *Pediatr Allergy Immunol*. 2021 Aug; 32(6):1190-1196. PMID: 33894077 PMCID: PMC8328913 (available on 2022-08-01) DOI: 10.1111/pai.13523.
27. Chin HB, Kelly A, **Adgent MA**, Patchel SA, James K, Vesper HW, Botelho JC, Chandler DW, Zemel BS, Schall JI, Ford EG, Darge K, Stallings VA, Baird DD, Rogan WJ, Umbach DM. Reproductive hormone concentrations and associated anatomical responses: does soy formula affect minipuberty in boys? *J Clin Endocrinol Metab*. 2021 Aug 18;106(9):2635-2645. PMID: 34013335 PMCID: PMC8372659 DOI: 10.1210/clinem/dgab354
28. Wiese AD, Osmundson SS, Mitchel E Jr, **Adgent M**, Phillips S, Patrick SW, Spieker AJ, Grijalva CG. The risk of serious opioid-related events associated with common opioid prescribing regimens in the postpartum period after cesarean delivery. *Am J Obstet Gynecol MFM*. 2021 Nov;3(6):100475. Epub 2021 Aug 26. PMID: 34455101 PMCID: PMC8599660 DOI: 10.1016/j.ajogmf.2021.100475.
29. Chin HB, Kelly A, **Adgent MA**, Patchel SA, James K, Chandler DW, Zemel BS, Schall JI, Ford EG, Darge K, Stallings VA, Baird DD, Rogan WJ, Umbach DM. Response Letter to the Editor from Pierre Bougnères: Reproductive hormone concentrations and associated anatomical responses: does soy formula affect minipuberty in boys?. *J Clin Endocrinol Metab*. 2021 Oct 6. PMID: 34614158 PMCID: PMC8914501 (available on 2022-10-06) DOI: 10.1210/clinem/dgab718.
30. Campbell MS, Bastarache LA, Van Driest SL, **Adgent MA**, Goldstein JA, Weitkamp JH, Ransom MA, Lister RL, Shelton EL, Sucre JMS. Bronchopulmonary dysplasia is associated with polyhydramnios in a scan for novel perinatal risk factors. *Pediatr Res* 2022 Apr 7. Online ahead of print. PMID: 35393523 PMCID: PMC9414072 DOI: 10.1038/s41390-022-02043-6.
31. Horn A*, **Adgent M***, Osmundson S, Wiese A, Mitchel E, Philips S, Patrick S, Adgent M, Griffin M, Grijalva C. One-year risk of death following postpartum opioid exposure. *co-first authors. *American Journal of Perinatology*. 2022 May 31. Online ahead of print. PMID: 35640619 DOI: 10.1055/s-0042-1745848.
Media coverage: <https://www.vumc.org/health-policy/opioid-prescription-risk-after-birth>
32. Wilson K, Gebretsadik T, **Adgent M**, Loftus C, Karr C, Moore P, Sathyanarayana S, Byington N, Barrett E, Bush N, Nguyen R, Hartman T, LeWinn KJ, Calvert A, Mason A, Carroll KN. Association between duration and exclusivity of breastfeeding and childhood asthma. *Annals of Allergy, Asthma and Immunology*. 2022 Aug; 129(2):205-211. PMID: 35552008 PMCID: PMC9414072 DOI: 10.1016/j.anai.2022.04.034.
Media coverage: https://www.nbcrightnow.com/lifestyles/health/breastfeeding-may-lower-a-childs-odds-for-asthma/article_35e4f12c-b145-557b-8ce8-7741b763939c.html
33. **Adgent MA**, Gebretsadik T, Elaiho CR, Milne G, Moore P, Hartman TJ, Cowell W, Alcala CS, Bush N, Davis R, Lewin KZ, Tylavsky FA, Wright RJ, Carroll KN. The association between prenatal F 2-isoprostanes and child wheeze/asthma, and modification by maternal race. *Free Radic Biol Med*. 2022 Jul 18;S0891-5849(22)00482-8. Online ahead of print. PMID: 35863687. PMCID: PMC9414072. DOI: 10.1016/j.freeradbiomed.2022.07.008.

34. **Adgent MA**, Vereen S, McCullough A, Jones S, Torstenson E, Velez Edwards D, Hartmann K, Carrol KN. Periconceptional folic acid supplementation and child asthma: a Right From the Start follow-up study. *The Journal of Maternal-Fetal & Neonatal Medicine*. 2022 Dec;35(25):10232-10238. doi: 10.1080/14767058.2022.2122795. Epub 2022 Sep 18. PMID: PMC9810277.
35. Loftus CT, Szpiro AA, Workman T, Wallace ER, Hazlehurst MF, Day DB, Ni Y, Carroll KN, **Adgent MA**, Moore PE, Barrett ES, Nguyen RHN, Kannan K, Robinson M, Masterson EE, Tylavsky FA, Bush NR, LeWinn KZ, Sathyanarayana S, Karr CJ. Maternal exposure to urinary polycyclic aromatic hydrocarbons (PAH) in pregnancy and childhood asthma in a pooled multi-cohort study. *Environ Int*. 2022 Dec;170:107494. doi: 10.1016/j.envint.2022.107494. Epub 2022 Sep 3. PMID: PMC9810359.
36. Pham A, Wiese AD, Spieker AJ, Phillips SE, **Adgent MA**, Grijalva CG, Osmundson SS. Social Vulnerability and Initiation of Pharmacotherapy for Gestational Diabetes Mellitus in a Medicaid Population. *Womens Health Issues*. 2023 May-Jun;33(3):273-279. doi: 10.1016/j.whi.2022.12.004. PMID: PMC10213121.
37. Dearborn LC, Hazlehurst MF, Loftus CT, Szpiro AA, Carroll KN, Moore PE, **Adgent MA**, Barrett ES, Nguyen RHN, Sathyanarayana S, LeWinn KZ, Bush NR, Kaufman JD, Karr CJ. Role of air pollution in development of asthma among children with a history of bronchiolitis in infancy. *Epidemiology*. 2023 Jul 1;34(4):554-564. doi: 10.1097/EDE.0000000000001613. PMID: PMC10563986.
38. Herrin MA, Sherris AR, Dearborn LC, Loftus CT, Szpiro AA, Moore PE, **Adgent MA**, Barrett ES, Nguyen RHN, Carroll KN, Karr CJ. Association between maternal occupational exposure to cleaning chemicals during pregnancy and childhood wheeze and asthma. *Front Epidemiol* 2023;3:1166174. doi: 10.3389/feid.2023.1166174. Epub 2023 Apr 19. PMID: 38045485. PMID: PMC10691794.
39. Grossarth S; Osmundson SS; Wiese AD; Phillips SE; Pham A; Leech AA; Patrick SW; Spieker AJ; Grijalva CG; **Adgent MA**. Maternal opioid use disorder and the risk of post-neonatal infant mortality. *JAMA Pediatrics*. 2023 Jul 1;177(7):675-683. doi: 10.1001/jamapediatrics.2023.1047. PMID: 37155175 PMID: PMC10167598.
Media coverage: <https://www.medpagetoday.com/pediatrics/generalpediatrics/104391>
40. Ammar L, Tindle HA, Miller AM, **Adgent MA**, Nian H, Ryckman KK, Mogos M, Piano MR, Xie E, Snyder BM, Ramesh A, Yu C, Hartert TV, Wu P. Electronic cigarette use during pregnancy and the risk of adverse birth outcomes: A cross-sectional surveillance study of the US Pregnancy Risk Assessment Monitoring System (PRAMS) population. *PLoS One*. 2023 Oct 24;18(10):e0287348. doi: 10.1371/journal.pone.0287348. PMID: PMC10691794.
41. Pham A, Shi R, Wiese AD, Spieker AJ, Phillips SE, **Adgent MA**, Grijalva CG, Osmundson SS. Changes in medication initiation and selection patterns for gestational diabetes management. *BJOG*. 2023 Sep 8. doi: 10.1111/1471-0528.17664. Online ahead of print.
42. Hazlehurst M, Dearborn LC, Sherris AR, Loftus CL, **Adgent MA**, Szpiro AA, Ni Y, Day D, Kaufman JD, Thakur N, Wright RJ, Sathyanarayana S, Carroll KN, Moore PE, Kar CJ. Long-term ozone exposure and lung function in middle childhood. *Environ Res*. 2023 Nov 13:117632. doi: 10.1016/j.envres.2023.117632. Online ahead of print.
43. Spieker A, **Adgent MA**, Osmundson SS, Phillips SE, Mitchel E, Leech AA, Grijalva CG, Wiese AD. The impact of different strategies for modeling associations of medications at low doses and health outcomes: a simulation study and practical application to postpartum opioid use. *Am J Epidemiol*. Accepted Sept 5 2023.
44. **Adgent MA**, Buth E, Norona-Zhou A, Szpiro AA, Loftus CT, Moore PE, Wright RJ, Barrett ES, LeWinn KZ, Zhao Q, Nguyen R, Karr CJ, Bush NR, Carroll KN. Maternal stressful life events during pregnancy and childhood asthma and wheeze. *Ann Allergy Asthma Immunol*. 2023 Dec 18:S1081-1206(23)01498-9. doi: 10.1016/j.anai.2023.12.015.

45. Bosworth O, Padilla-Azain MC, **Adgent MA**, Spieker AJ, Wiese AD, Pham A, Leech AA, Grijalva CG, Osmundson SS. Prescription opioid exposure during pregnancy and risk of spontaneous preterm delivery. *JAMA Open*. Accepted Dec 20 2023.

Presentations (Abstracts) at Scientific Meetings

1. **Adgent MA**. Environmental Tobacco Smoke and Sudden Infant Death Syndrome: A Review. 45th Annual Meeting of the Teratology Society, Poster Session. St. Pete Beach, Fl. June 2005.
2. **Adgent M**, Daniels JL, Rogan WJ, Adair L, Edwards L, Westreich D, Maisonet M, Marcus M. Early Life Soy Exposure and Time to Menarche. 3rd North American Congress of Epidemiology, Poster Presentation. Montreal, Quebec, CA. June 24, 2011.
3. Hoffman K, **Adgent M**, Goldman BD, Sjodin A, Daniels J. Lactational Exposure to Polybrominated Diphenyl Ethers and Early Communicated Development. International Society for Environmental Epidemiology. Oral Presentation (Speaker: K. Hoffman). Columbia, SC. August 27, 2012.
4. **Adgent MA**, Rogan WJ, Chandler DW, Nakamoto JM, Umbach DM. Male Serum Testosterone Levels Fall Steadily Between 6 and 12 Weeks of Age: Implications for the Study of Endocrine Disruption. International Society for Environmental Epidemiology. Poster Presentation. Columbia, SC. August 29, 2012.
5. **Adgent MA**, Flake GP, Umbach DM, Rogan WJ. Evidence of postnatal estrogen withdrawal is observed in epithelial cells of the infant urethra and vagina. NIEHS Science Day, Poster Presentation. Research Triangle Park, NC. November 1, 2012.
Award, Best Poster of the Year: <https://factor.niehs.nih.gov/2012/12/science-ScienceDay/index.htm>.
6. **Adgent MA**, Flake GP, Umbach DM, Rogan WJ. Evidence of postnatal estrogen withdrawal is observed in epithelial cells of the infant urethra and vagina. Pediatric Academic Societies. Oral Presentation (Speaker: W. Rogan). Washington, DC. May 2013.
7. **Adgent MA**, Umbach DM, Zemel B, Kelly A, Schall J, Ford E, Bernbaum J, Rogan W, Stallings V. Soy-based infant feeding is associated with estrogenized urogenital epithelium in girls at 24 weeks of age. International Society for Environmental Epidemiology. Oral Presentation. Seattle, WA. August 27, 2014.
8. **Adgent MA**, Rogan WJ. A cross sectional study of environmental influence on gut microbiome function. International Society for Environmental Epidemiology. Oral Presentation. Seattle, WA. August 26, 2014.
9. Harlid S, Jefferson WN, Panduri V, **Adgent MA**, Xu Z, Williams CJ, Rogan WJ, Taylor J. Early life exposure to soy formula and downstream effects on DNA methylation and gene expression. American Institute for Cancer Research Annual Research Conference. Poster Presentation (Presenter: S. Harlid). Washington, DC. October 29-31, 2014.
10. **Adgent MA**, Umbach DM, Zemel B, Kelly A, Schall J, Ford E, Rogan W, Stallings V. Soy-based infant formula and estrogenized urogenital epithelium: a longitudinal assessment from birth to 9 months. Academic Pediatric Association Environmental Health Scholars Annual Meeting. Oral Presentation. Reston, VA. December 6, 2014.
11. **Adgent MA**, Umbach DM, Zemel B, Kelly A, Schall J, Ford E, Rogan W, Stallings V. Measuring estrogen response in vaginal and urethral epithelial cells of infants: a study of soy-based infant formula feeding. Denver, CO. June 16 and 17, 2015.
Society for Pediatric and Perinatal Epidemiologic Research (SPER) Oral
Society for Epidemiologic Research. (SER) Poster

12. **Adgent MA**, Umbach DM, Zemel B, Kelly A, Schall J, Ford E, Darge K, Rogan W, Stallings V. Measuring estrogen response in postnatal uterus and breast growth: a study of soy-based infant formula feeding. 2015 NIEHS/EPA Children's Centers Annual Meeting. Poster presentation. Washington, DC. October 29, 2015.
13. Kaplan SL, Edgar JC, Ford E, **Adgent MA**, Schall J, Umbach DM, Rogan W, Stallings VA, Darge K. Normal values for size of ovaries, testes, uterus, and breast buds at birth. Oral presentation at International Pediatric Radiology Meeting, Chicago, IL, May 2016.
14. **Adgent MA**, Stallings VA, Baird DD. Measurement of personal care and consumer product phenols in 6 to 12-week-old infants. Poster presentation at the 29th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER). Miami, FL. June 20, 2016.
15. **Adgent MA**, Umbach DM, Zemel BS, Kelly A, Schall JI, Ford EG, James K, Darge K, Botelho JC, Vesper HW, Chandler DW, Nakamoto JM, Rogan WJ, Stallings VA. Effects of soy-based infant formula feeding on estrogen-responsive tissue and hormone concentrations in infants. Poster Presentation (Presenter: VA Stallings). 4th International Conference on Nutrition & Growth. Amsterdam, the Netherlands, March 2-4, 2017.
16. **Stallings VA**, Adgent MA, Umbach DM, Zemel BS, Kelly A, Schall JI, Ford EG, Darge K, Botelho JC, Vesper HW, Chandler DW, Nakamoto JM, Rogan WJ. Soy-Based Infant Formula Feeding and Impact on Estrogen-Responsive Tissue. Poster Presentation (Presenter: VA Stallings) Experimental Biology, Chicago, IL April 22-26, 2017.
17. **Adgent MA**, Vereen S, McCullough A, Velez Edwards D, Hartmann K, Carroll K. Periconceptional folic acid supplementation and childhood asthma, a Right From the Start pediatric follow-up study. Seattle, WA. June 20, 2017.
30th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER) Poster
Society for Epidemiologic Research (SER) Poster
18. Ortiz C, Adams S, Gebretsadik T, **Adgent M**, Tylavsky FA, Hartman TJ, Carroll KN. Association between maternal prenatal vitamin D concentration and child allergic rhinitis. Oral Presentation (Presenter: C Ortiz). AAAAI 2018 Annual Meeting, Orlando, Florida, March 2018.
19. Carroll KN, Adams S, Gebretsadik T, Ortiz C, **Adgent M**, Tylavsky FA, Hartman TJ. Association between maternal prenatal vitamin D concentrations and child asthma. Poster Presentation (Presenter: S Adams). AAAAI 2018 Annual Meeting, Orlando, Florida, March 2018.
20. **Adgent M**, Elsayed-ali O, Gebretsadik T, Tylavsky F, Kocak M, Cormier S, Wright R, Carroll KN. Maternal traumatic life events and bronchiolitis during infancy. Poster Presentation. Pediatric Academic Societies Annual Meeting, Toronto, Canada, May 2018
21. **Adgent M**, Roy A, Gebretsadik T, Hartman T, Kocak M, Piyathilake C, Tylavsky F, Carroll K. Maternal prenatal plasma folate and child asthma in a US cohort. Poster Presentation. Society for Pediatric and Perinatal Epidemiologic Research (SPER) Annual Meeting, Baltimore, MD, June 2018.
22. Chin HB, Baird DD, **Adgent MA**, Ford EG, Darge K, Kaplan SL, Stallings VA, Umbach DM, Rogan WJ. Characterization of ovarian growth and development of follicles in girls from birth to 9 months. Oral presentation (Presenter: H. Chin). Society for Pediatric and Perinatal Epidemiologic Research (SPER) Annual Meeting, Baltimore, MD, June 2018.
23. Adibi J, Xun X, Carroll K, **Adgent M**, LeWinn K, Yin Q, Peddada S, Zoeller T, Tylavsky F, Koistinen H, Stenman, U-H. HCG Alpha Might Supplant TSH during the Fetal Period to Promote Brain Development. Poster presentation (Presenter: J Adibi) Endocrine Society Annual Meeting (ENDO 2019), New Orleans, LA, March 23, 2019.

24. Gardner KG, Gebretsadik T, **Adgent M**, Hartman TJ, Ortiz CF, Tylavsky FA, Carroll KN. Association Between Prenatal Vitamin D Concentration and Childhood Atopic Dermatitis. Poster presentation (Presenter: KG Gardner). AAAAI 2019 Annual Meeting, San Francisco, CA, February 22-25, 2019.
25. **Adgent MA**, Cowell W, Gebretsadik T, Tylavsky F, Kocak M, Hartman T, Wright R, Carroll KN. Maternal traumatic life events and child asthma at age 4-6 years. Oral presentation (Presenter: M Adgent) Pediatric Academic Societies 2019, Baltimore, MD, April 29, 2019.
26. Carroll KN, **Adgent MA**, Hazlehurst M, Loftus C, Szpiro A, Karr C, LeWinn K, Bush N, Tylavsky F, Sathyanarayana S. Prenatal phthalate exposure and child asthma. Oral presentation (Presenter: K Carroll) Pediatric Academic Societies 2019, Baltimore, MD, April 29, 2019.
27. Carroll KN, **Adgent MA**, Hazlehurst M, Loftus C, Szpiro A, Karr C, LeWinn K, Bush N, Tylavsky F, Sathyanarayana S. Prenatal phthalate exposure and child asthma. Oral presentation (Presenter: Karr C) International Society for Environmental Epidemiology 2019, Utrecht, The Netherlands, August 25-28 2019.
28. Chin HB, Baird DD, **Adgent MA**, Umbach DM, Rogan WJ. Association of ovarian volume and estradiol concentrations from birth to 9 months. Poster presentations (Presenter: Chin HB). Society for Pediatric and Perinatal Epidemiologic Research (SPER) 2019 and Society for Epidemiologic Research (SER) 2019. Minneapolis, MN June 2019.
29. Wiese AD, Osmundson SS, Mitchel, E. **Adgent M**, Phillips S, Patrick SW, Griffin MR, Grijalva CG. (2020, September). Opioid Use After Vaginal Birth and the Risk of Serious Opioid-related Events: Is There a Safe Dose? Presentation. ICPE All Access 2020 [virtual].
30. Fuller C, Hua W, Leonard CE, Ball R, Carnahan R, Dizinno M, Dutcher S, Leonard CE, Mosholder A, Petrone AB, Rosofsky R, Shockro LA, Young J, **Adgent MA**, Binswanger I, Boudreau D, Griffin MR, Kuntz J, McMahill-Walraven C, Pawloski PA, Ball R, Toh S. A standardized and reusable method to link distributed health plan databases to the National Death Index. Poster. ICPE All Access 2020 [virtual].
31. Horn A, Osmundson S, Wiese A, Mitchel E, Philips S, Patrick S, **Adgent M**, Griffin M, Grijalva C. Postpartum opioid use and 1-year risk of death. Poster. International Conference on Pharmacoepidemiology All Access 2020 [virtual].
32. **Adgent M**, Fuller C, Morrow T, Whitmore C, Grijalva C, Hua W, Dutcher S, Toh S, Griffin M. Validity of a state-based death certificate/health plan linkage to support morality studies. Poster. International Conference on Pharmacoepidemiology. All Access 2020 [virtual].
33. Wilson K, Gebretsadik T, **Adgent MA**, Loftus C, Karr C, Moore PE, Sathyanarayana S, Byington N, Barret E, Bush NR, Nguyen R, Hartmann T, LeWinn KZ, Calvert A, Mason A, Carrol KN. The association of duration of breastfeeding and childhood asthma outcomes. Platform session. Pediatric Academic Societies annual meeting. May 2, 2021 [virtual].
34. Rodriguez-Watson C, Connolly JG, Mendelsohn AB, McMahill-Walraven CN, Selvan M, **Adgent MA**, Pawloski PA, Behr S, Brown JS, Schlienger RG. Master protocol and parallel approach to analyze angioedema in patients with heart failure identified in an integrated care delivery system compared to administrative claims. Society for Epidemiologic Research 2021 [virtual].
35. Connolly JG, Mendelsohn AB, Rodriguez-Watson C, McMahill-Walraven CN, Selvan M, **Adgent MA**, Pawloski PA, Behr S, Brown JS, Schlienger RG. Cohort study assessing angioedema risk in Black heart failure patients using angiotensin-converting enzyme inhibitors in the United States – interim results. Poster. International Conference on Pharmacoepidemiology. All Access 2021 [virtual].

36. Wiese AD, Osmundson SS, Mitchel E Jr, **Adgent M**, Phillips S, Spieker AJ, Grijalva CG. Temporal and hospital-level variation in high-dose postpartum opioid prescribing after cesarean delivery. International Conference on Pharmacoepidemiology All Access 2021 [virtual].
37. Pham A, Wiese A, Spieker A, Johnson K, Phillips S, **Adgent M**, Grijalva C, Osmundson S. Trends in pharmacotherapy selection for GDM in a Medicaid population. Society for Maternal Fetal Medicine 42nd Annual Meeting. Jan 31- Feb 5, 2022.
38. Flom JD, Nickelberry M, Gebretsadik T, **Adgent M**, Harman TJ, Bush N, LeWinn KZ, Mason A, Zhao Q, Wright RJ, Carroll KN. Prenatal Omega-6 Polyunsaturated Fatty Acids And Asthma in Middle Childhood: Effect Modification by Child Sex and Maternal Asthma. Pediatric Academic Societies 2022.
39. Dearbon LC, Loftus C, Hazelhurst M, Szpiro A, Carroll KN, Moore P, **Adgent M**, Sathyanarayana S, LeWinn KZ, Kaufman JD, Karr CJ. Role of Air Pollution in Development of Asthma Among Children with a History of Bronchiolitis in Infancy. Pediatric Academic Societies 2022.
40. Wiese AD, Spieker AJ, **Adgent MA**, Osmundson SS, Pham A, Phillips SE, Mitchel E, Grijalva CG. The impact of different modeling strategies for estimating the association between initial postpartum opioid use after vaginal delivery and subsequent opioid use in the postpartum period. International Conference on Pharmacoepidemiology. Copenhagen, Denmark. August 2022.
41. **Adgent M**, Buth E, Norona-Zhou A, Szpiro A, Loftus C, Moore P, Wright R, Barrett E, LeWinn K, Mason A, Nguyen R, Sathyanarayana S, Karr C, Bush N, Carroll K. Maternal stressful life events during pregnancy and child asthma: an investigation of effect modification by postnatal neighborhood opportunity. International Society for Environmental Epidemiology Annual Meeting, Athens, Greece. September 2022. Poster.
42. Grossarth S, Osmundson SS, Wiese A, Phillips S, Pham A, Leech A, Patrick S, Spieker A, Grijalva C, **Adgent M**. Prenatal opioid use disorder exposure and infant mortality. 43rd Annual Pregnancy Meeting Society for Maternal-Fetal Medicine. Poster. San Francisco, CA. February 10, 2023.
43. Connolly JG, Rodriguez-Watson C, Learn J, Behr S, Dickerson JF, Go AS, Reynolds K, Roblin D, Cassidy-Bushrow A, Mendelsohn A, Toh D, Hou L, Clary A, McMahonill-Walraven CN, **Adgent MA**, Selvan M, Pawloski PA, Kuntz JL. Cohort study of Serious angioedema in association with Sacubitril/Valsartan use in black patients with heart failure. 39th International Conference on Pharmacoepidemiology. Poster. Halifax, Nova Scotia, Canada. August 2023.
44. Pham A, Wiese AD; Spieker A, Phillips S, Leech A, **Adgent M**, Grijalva CG, Osmundson SS. Adherence to hypoglycemic medications among pregnant patients with gestational diabetes. Poster. 39th International Conference on Pharmacoepidemiology. Halifax, Nova Scotia, Canada. August 2023.
45. Wiese AD, **Adgent M**, Osmundson SS, Leech A, Pham A, Phillips S, Spieker A, Grijalva CG. To whom results apply? Assessing the impact of extended continuous enrollment inclusion criteria in pharmacoepidemiologic studies of medication use in pregnancy. Poster. 39th International Conference on Pharmacoepidemiology. Halifax, Nova Scotia, Canada. August 2023.

Other Invited Presentations

1. **Adgent M**. Invited Speaker, Reproductive, Perinatal and Pediatric Epidemiology Training Grant Seminar, Gillings School of Global Public Health, University of North Carolina at Chapel Hill, Chapel Hill, NC (PI: Julie Daniels).

Lecture: *Exogenous Estrogen and Infant Reproductive Development: Exploring Developmental Origins of Health and Disease*. February 17, 2016.

2. **Adgent M.** Invited Speaker, Epidemiology Grand Rounds, Vanderbilt University Medical Center Division of Epidemiology. Lecture: *Exogenous Estrogen and Infant Reproductive Development: Exploring Developmental Origins of Health and Disease in the Context of Soy Formula Exposure*. November 22, 2016.
3. **Adgent M.** Invited Speaker, Pediatric Research Conference, Department of Pediatrics, Vanderbilt University Medical Center. Lecture: *Soy Formula and Infant Reproductive Development*. November 26, 2018