Margaret A. Adgent, PhD, MSPH

Vanderbilt University Medical Center Department of Health Policy margaret.a.adgent@vumc.org

Education:

Undergraduate:	George Washington University, Washington, DC B.A. Biology B.S. Environmental Studies Minor: Public Health & Health Services May 2002
Graduate:	University of Alabama at Birmingham, Birmingham, AL MSPH, Public Health - Environmental Health/Toxicology concentration May 2004
	University of North Carolina at Chapel Hill, Chapel Hill, NC PhD, Epidemiology July 2010
Post-Graduate Training:	Postdoctoral Fellow Epidemiology Branch, National Institute of Environmental Health Sciences, National Institutes of Health November 2010 – October 2015

Employment

- Association of Schools of Public Health (ASPH) Fellow, National Center for Environmental Assessment, U.S. Environmental Protection Agency, August 2004 – August 2006
- Research Assistant, Department of Epidemiology, University of North Carolina at Chapel Hill, January 2007 August 2007; September 2008 December 2008
- Postdoctoral Fellow, Epidemiology Branch, National Institute of Environmental Health Sciences, National Institutes of Health, November 2010 October 2015
- Research Fellow, Epidemiology Branch, National Institute of Environmental Health Sciences, National Institutes of Health, October 2015 March 2016
- Research Assistant Professor, Division of General Pediatrics, Department of Pediatrics, Vanderbilt University Medical Center, April 2016 August 2019
- Research Assistant Professor, Department of Health Policy, Vanderbilt University Medical Center, August 2019 present

Professional Organizations

- 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), 2015 present

Professional Activities

Intramural:

- NIEHS Biomedical Career Fair Planning Committee, August 2012 April 2013
- NIEHS Reproductive Epidemiology Journal Club Coordinator, April 2012 June 2013
- NIEHS Epidemiology Branch Fellows' Meeting Coordinator, Jan 2015 March 2016
- Member, Vanderbilt Pre³ Initiative, April 2016 present
- Member, Vanderbilt Epidemiology Center, July 2016 present
- Vanderbilt Center for Health Services Research Scholar, March 2017 present

Abstract or award review for the following professional meetings or programs:

- Society for Epidemiologic Research (SER): 2012, 2013, 2018
- Society for Pediatric and Perinatal Epidemiologic Research (SPER): 2015, 2017-2019
- SPER Student Paper Award Review: 2017
- NIH Fellows Award for Research Excellence (FARE): 2016
- International Society for Environmental Epidemiology (ISEE): 2016, 2017
- Center for Environmental Health and Susceptibility Pilot Projects Program, University of North Carolina at Chapel Hill, 2018
- Public Health Practicum Colloquium, VUMC MPH program, 2019

Manuscript review for the following journals:

- American Journal of Epidemiology
- BMC Pediatrics
- Environmental Health Perspectives
- Environmental Research
- Environment International
- International Journal of Hygiene and Environmental Health
- JAMA Pediatrics
- Journal of Developmental & Behavioral Pediatrics
- Molecular Nutrition & Food Research
- Pediatric Research
- Pediatrics
- The Journal of Nutrition

Awards

- Delta Omega Honorary Society in Public Health, Upsilon Chapter, 2004 -
- NIEHS Environmental Health Training Grant Recipient, UNC-Chapel Hill, 2006 2008
- Reproductive, Perinatal and Pediatric Epidemiology Training Grant, UNC-Chapel Hill, 2008 2010
- NIEHS Intramural Paper of the Month (Adgent et al., *Environ Health Perspect*, 2011), *NIEHS Environmental Factor*, March 2012
- Best Poster Presentation, NIEHS Science Day (\$1000 travel award), November 2, 2012
- Fellows Award for Research Excellence (FARE) 2015 Winner, National Institutes of Health (NIH) (\$1000 travel award), Awarded December 2014

- Nominee, NIEHS Fellow of the Year Award, 2015
- NIEHS Intramural Paper of the Month (Harlid et al., *Environ Health Perspect*, 2016), *NIEHS Environmental Factor*, October 2016
- Vanderbilt Pre³ Initiative Travel Grant Award (\$750), May 2017

Teaching Activities

Teaching Assistant, August 2006 – December 2006. Introductory Epidemiology (EPID 600), Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC (Instructor: Vic Schoenbach),

Guest Lecturer, 2015, 2016. Global Sexual and Reproductive Health (MHCH 680), 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: *Environmental Exposures and Human Reproductive Health: Past, Present and Future.* 2015, 2016

Guest Lecturer, 2016 - 2020. Biochemical and Molecular Toxicology (BCHM 8336), Department of Biochemistry, Vanderbilt University School of Medicine (Instructor: Aaron Bowman, Peter Guengerich). Lecture: *Toxicology of Early Life Exposures*.

Guest Lecturer, 2016. Public Health Practice, Master of Public Health Program, Vanderbilt University (Instructor: Edmond Kabagambe). Lecture: *Consumer and Personal Care Product Chemicals*.

Co-instructor, 2019, 2020. Public Health Practice, Master of Public Health Program, Vanderbilt University Medical Center (Lead Instructor: Andrew Wiese).

Invited Presentations

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.

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.

Invited Speaker, Pediatric Research Conference, Department of Pediatrics, Vanderbilt University Medical Center. Lecture: *Soy Formula and Infant Reproductive Development*. November 26, 2018

Publications and Presentations

Peer Reviewed Publications

Adgent MA. Environmental tobacco smoke and sudden infant death syndrome: a review. *Birth Defects Res B Dev Reprod Toxicol.* 77:69-85. 2006.

- 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.
- 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.
- <u>Adgent MA</u>, 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.
- Hoffman K, <u>Adgent M</u>, 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.
- 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.
- 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.
- Adgent MA, Rogan WJ. Triclosan and prescription antibiotic exposures and enterolactone production in adults. *Environ Res.* Jun 23;142:66-71. 2015.
- Wang Y, <u>Adgent M</u>, 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.
- Kaplan SL, Edgar JC, Ford E, <u>Adgent M</u>, Zemel BS, Schall J, Umbach DM, Rogan WJ, Stallings VA, Darge K. Size of testis, ovary, uterus, and breast buds by ultrasound in healthy fullterm neonates aged 0-3 days. *Pediatric Radiology*. Dec; 46(13):1837-1847. 2016.
- Harlid S, <u>Adgent M</u>*, 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
- Ho SM, Cheong A, <u>Adgent MA</u>, 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.

- Roy A, Kocak M, Hartman TJ, Vereen S, <u>Adgent M</u>, 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
- <u>Adgent MA</u>, 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.
- Upson K, <u>Adgent MA</u>, 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.
- Calle-Toro JS, Kelly A, Ford EJ, Zemal BS, Schall J, <u>Adgent M</u>, 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.
- <u>Adgent MA</u>*, 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*
- Adams SN*, <u>Adgent M</u>*, 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*
- Gardner K, Gebretsadik T, Hartman TJ, Rosa M, Tylavsky F, <u>Adgent M</u>, 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.
- Rosa MJ, Hartman TJ, <u>Adgent M</u>, 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.
- Chin HB, Baird DD, Kaplan SL, Darge K, <u>Adgent MA</u>, Ford EG, Rogan WJ, Stallings VA, Umbach DM. Characterization of ovarian development in girls from birth to 9 months. *Paediatric and Perinatal Epidemiology*. 2020 Apr 13. Online ahead of print.
- Shah R, Alshaikh B, Schall JI, Kelly A, Ford E, Zemel BS, Umbach DM, <u>Adgent MA</u>, Stallings VA. Endocrine-sensitive physical endpoints in newborns: ranges and predictors. *Pediatric Research*. 2020 May 12. Online ahead of print.
- 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. Jul 30; 143:105970 online ahead of print **co-first authors*

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, <u>Adgent MA</u>, Kuntz J, McMahill-Walraven C, Pawloski PA, Ball R, Toh S. Developing a standardized and resuable method to link distributed health plan databases to the National Death Index: a methods development study protocol. *JMIR Research Protocols*. Accepted August 11 2020.

Abstracts / Presentations at Scientific Meetings

- 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.
- <u>Adgent M</u>, Daniels J, Rogan W. Soy infant formula and early menarche: A test of the endocrine disrupter hypothesis. *(Speaker: Rogan W)*. 83rd Meeting of the American Epidemiological Society. Baltimore, MD. March 25, 2010.
- <u>Adgent M.</u> 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
- Hoffman K, <u>Adgent M</u>, 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.
- 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.
- 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.
- 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.
- 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.

- <u>Adgent MA</u>, 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.
- Harlid S, Jefferson WN, Panduri V, <u>Adgent MA</u>, 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.
- Adgent MA, Umbach DM, Zemel B, Kelly A, Schall J, Ford E, Rogan W, Stallings V. Soybased 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.
- 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
- 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.
- Kaplan SL, Edgar JC, Ford E, <u>Adgent MA</u>, 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.
- 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.
- <u>Adgent MA</u>, 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 soybased 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.
- Stallings VA, <u>Adgent MA</u>, 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.

- 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
 - 30^h Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER) *Poster*
 - Society for Epidemiologic Research (SER) Poster
- Ortiz C, Adams S, Gebretsadik T, <u>Adgent M</u>, 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.
- Carroll KN, Adams S, Gebretsadik T, Ortiz C, <u>Adgent M</u>, 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.
- 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
- 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.
- Chin HB, Baird DD, <u>Adgent MA</u>, 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.
- Adibi J, Xun X, Carroll K, <u>Adgent M</u>, 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.
- Gardner KG, Gebretsadik T, <u>Adgent M</u>, 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.
- 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.

- Carroll KN, <u>Adgent MA</u>, 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.
- Carroll KN, <u>Adgent MA</u>, 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.
- Chin HB, Baird DD, <u>Adgent MA</u>, 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.
- Wiese AD, Osmundson SS, Mitchel, E. <u>Adgent M</u>, 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*? [Invited online presentation]. ICPE All Access.
- 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, <u>Adgent MA</u>, Binswanger I, Boudreau D, Griffin MR, Kuntz J, McMahill-Walraven C, Pawloski PA, Ball R, Toh S. A standardized and resuable method to link distributed health plan databases to the National Death Index [Invited online poster]. ICPE All Access.
- Horn A, Osmundson S, Wiese A, Mitchel E, Philips S, Patric S, <u>Adgent M</u>, Griffin M, Grijalva C. Postpartum opioid use and 1-year risk of death. [Invited online poster]. ICPE All Access.
- <u>Adgent M</u>, 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. [Invited online poster]. ICPE All Access.