

Paige D Wartko

Kaiser Permanente Washington Health Research Institute
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EDUCATIONAL AND BIOGRAPHICAL INFORMATION

PhD, Department of Epidemiology, University of Washington, August 2018
MPH, Department of Epidemiology, Maternal & Child Health Leadership Program,
University of Washington, June 2015
BS, Department of Public Health Sciences, Clemson University, August 2012

PROFESSIONAL POSITIONS

Current Positions

- **Collaborative Scientist III**, Kaiser Permanente Washington Health Research Institute, Seattle, WA, December 2023–Present
- **Clinical Assistant Professor**, Department of Epidemiology, School of Public Health, University of Washington, Seattle, WA, March 2024–Present

Prior Research Experience

- Collaborative Scientist II, Kaiser Permanente Washington Health Research Institute, Seattle, WA, October 2018–November 2023
- Graduate student researcher: Antidepressant use in pregnancy and gestational diabetes, maternal gestational weight gain, and infant birth weight (dissertation project), Kaiser Permanente Washington Health Research Institute, 2015–2018
- Graduate student researcher: Cannabis use in pregnancy; prevalence and qualitative analysis, Kaiser Permanente Washington Health Research Institute, 2017–2018
- Epi Scholars Program, Assessment, Policy Development, and Evaluation Unit, Public Health - Seattle & King County, June–August 2014
- Summer Fellow, Hormonal and Reproductive Epidemiology Branch (now the Metabolic Epidemiology Branch), National Cancer Institute, June–September 2012

PROFESSIONAL HONORS

- Outstanding Mentor Award Nominee, Kaiser Permanente Washington Health Research Institute, 2022, 2020
- Samuel and Althea Stroum Endowed Graduate Fellowship, University of Washington Diabetes Research Center, April 2017–March 2018
- Scholarship recipient, Summer Institute for Statistics in Big Data, University of Washington, July 2017
- Reproductive, Perinatal, and Pediatric Epidemiology Training Grant Fellowship, September 2014–March 2017
- Outstanding Master's Student Award, Department of Epidemiology, University of Washington, May 2015
- Maternal and Child Health Traineeship, University of Washington, September 2013–June 2014
- National Merit Scholarship, 2008–2012
- Emerging Leader Award, College of Health, Education and Human Development, Clemson University, 2012
- Scholastic Achievement Award, Department of Public Health, Clemson University, 2012

- Susan Delony Academic Achievement Award, Michelin Career Center, Clemson University, 2012
- Undergraduate Faculty Scholarship Award, Clemson University, 2012

MEMBERSHIPS

- Member, International Society for Pharmacoepidemiology
- Member, Society for Pediatric and Perinatal Epidemiologic Research
- Member, Society for Epidemiologic Research

ORGANIZATIONAL SERVICE

- Research Associates' (now Collaborative Scientists') Representative for KPWHRI Institute Steering Committee, Jul 2020–Dec 2021

OTHER PROFESSIONAL SERVICE

National

- Member, Mentorship Committee, Society for Epidemiology Research, July 2023–Present
- Abstract reviewer:
 - Society for Pediatric and Perinatal Epidemiologic Research, 2017, 2021
 - International Conference on Pharmacoepidemiology, 2018
- Program Committee Co-Chair, Student and Postdoc Committee, Society for Epidemiologic Research, 2018–2020

Local

- Grant proposal reviewer, Institute for Translational Health Sciences, University of Washington, 2024
- Epidemiology Student Representative: Works in Progress Coordinator, Department of Epidemiology, University of Washington, 2017–2018
- Epidemiology Seminar Committee Member, Department of Epidemiology, University of Washington, 2014–2016
- Epi Expo Co-Chair, Department of Epidemiology, University of Washington, 2014–2015
- Maternal and Child Health Student Ambassador, Maternal and Child Health Leadership Training Program, University of Washington, 2014–2015

SPECIAL NATIONAL RESPONSIBILITIES

- Patient-Centered Outcomes Research Institute (PCORI) Cycle 3, 2022 Addressing Disparities (AD) Merit Review Panel. January 2023–March 2023.
- Patient-Centered Outcomes Research Institute (PCORI) Cycle 2, 2021 Intellectual and/or Developmental Disabilities & Assessment of Prevention, Diagnosis, and Treatment Options Merit Review Panel. September 2021–December 2021

EDITORIAL RESPONSIBILITIES

- Journal Peer-Reviewer:
 - Pharmacoepidemiology & Drug Safety, 2020, 2023, 2024
 - Archives of Women's Mental Health, 2024
 - BMJ, 2023
 - Annals of Internal Medicine, 2019, 2020, 2022
 - The Journal of Maternal-Fetal & Neonatal Medicine, 2022
 - BMC Pregnancy and Childbirth, 2022
 - Journal of Women's Health, 2018

RESEARCH FUNDING

Current Funding

Grant #: P01AG082653 (Brenowitz) 05/01/2025-08/31/2029

National Institute on Aging

Improving Causal Inference in Alzheimer's Disease Prevention Research on Modifiable Risk Factors: The Triangulation of Innovative Methods to EndAD (TIME-AD) Project

Role: Site Principal Investigator

Major goals: The TIME-AD Program Project brings together multiple large, diverse data sets and new methods to establish whether interventions targeting alcohol, depression or depression treatment, treatment of vision or hearing impairments, or social isolation could reduce AD/ADRD incidence or AD/ADRD inequities.

Grant #: R01 DK135515 (MPIs: Arterburn, McCoy) 03/01/2024-02/01/2028

National Institute of Diabetes and Digestive and Kidney Diseases

Comparative Effectiveness and Safety of Metabolic/Bariatric Surgery, GLP-1, and SGLT-2 Medications for Patients with Obesity and Type 2 Diabetes

Role: Collaborative Scientist

Major goals: Compare metabolic/bariatric surgery vs. GLP-1 and SGLT-2 medications with respect to cardiovascular outcomes, microvascular outcomes, changes in weight, blood pressure, HbA1c, and safety outcomes.

Grant #: 2UG1 DA04031406 (PI: Bradley) 6/1/2017-2/29/2025

National Institute on Drug Abuse

PRimary Care Opioid Use Disorders treatment (PROUD) study.

Direct Costs: \$8,601,335.

Role: Co-Lead of Data & Analytics Team.

Major goals: To evaluate whether implementation of a model of opioid use disorder treatment in primary care in which a nurse care manager is added into the clinic increases access to opioid use disorder treatment (primary aim) and decreases acute care utilization among people with opioid use disorder (secondary aim), when compared with usual primary care.

Grant #: R01HD107083 (PI: Butler) 8/1/2022-4/30/2027

National Institute of Child Health and Human Development

Identifying Optimal Antibiotic Regimens to Treat Urinary Tract Infections During Pregnancy.

Role: Co-Investigator

Major goals: 1) Characterize real-world prescribing patterns, guideline concordance, and antimicrobial susceptibility patterns related to outpatient treatment of UTI during pregnancy; 2) compare the risk of treatment failure with commonly-used antibiotic regimens in this setting; and 3) evaluate the comparative safety of commonly-used antibiotic regimens during pregnancy with respect to birth defects and perinatal complications.

Completed Funding

Grant #: R21AG089427 (Brenowitz) 05/01/2025-6/30/2026

National Institute on Aging

Evaluating the Associations of Hearing Loss with Cognitive and Brain Health Outcomes in Midlife

Role: Site Principal Investigator

Major goals: This study will link newly collected objective *hearing* tests with *cognitive* and *brain* MRI assessments in a well-characterized and diverse cohort of middle-aged adults. This study's findings will provide critical insights into *midlife* hearing loss and *brain health*, which may offer an avenue for reducing late-life dementia risk.

Grant #: 75F40123F19010 (PI: Dublin) 12/31/2014–1/31/2025
US Food and Drug Administration Sentinel Innovation Center
Use Case Package 1 (UC1): Empirical Application of the Sentinel EHR and Claims Data Partner Network to Address ARIA Insufficient Inferential Requests
Role: Collaborative Scientist
Major Goals: For a selection of health outcomes of interest for which typical ARIA analyses were previously determined to be insufficient due to incomplete outcome identification, fitness-for-purpose (FFP) analyses will be conducted to produce recommendations regarding the likelihood of successful development of computable phenotype algorithms by incorporating rich EHR data and data-driven modeling methods.

Grant #: LTD10120 (PI: Yarborough) 12/31/2014–1/31/2023
Syneos Health
Protocol for ER/LA Opioid Post-Marketing Requirement Studies: Observational Study #2065-1A.
Role: Site Principal Investigator
Major Goals: To quantify the serious risks of misuse, abuse, and addiction associated with long-term use of opioid analgesics for management of chronic pain among patients prescribed extended release/long acting opioid products. In addition, we will estimate how the risk of these outcomes varies by the presence of risk factors such as other substance use and psychiatric disorders among patients treated with opioids long-term.

Grant #: R01 DA044970 (PI: Sullivan) 3/15/2018–12/31/2022
National Institute on Drug Abuse
STRategies to Improve Pain and Enjoy life (STRIPE) Trial.
Direct Costs: \$1,169,474.
Role: Collaborative Scientist.
Major goals: To assess whether randomization to a pain coping skills training intervention with optional opioid taper support, compared with usual care, decreased opioid dose and improved pain and functioning in those on moderate-high dose long-term opioid therapy for chronic pain.

Grant #: 1R21AG069111-01 (PI: Miller) 9/30/2020–6/30/2023
National Institute on Aging
Pregnancy complications and the development of Alzheimer's disease and related dementias in women in the Adult Changes in Thought study
Direct costs: \$200,430
Role: Collaborative Scientist
Major goals: The major goals of this study are to augment existing reproductive phenotypic data in the Adult Changes in Thought study with detailed obstetric phenotyping and to evaluate the association between preeclampsia and other pregnancy complications and cognition and cognitive decline later in life.

Contract #: CW149304 9/9/2020–5/8/2022
GlaxoSmithKline
GSK Pregnancy Exposure Study
Direct Costs: \$302,486.
Role: Collaborative Scientist
Major goal: Using data from 6 data partners, we will describe the use of certain biologic medications in women of childbearing age and pregnant women, to guide future studies of pregnancy outcomes.

Kaiser Permanente Washington Health Research Institute Development Fund 1/1/2019–12/31/2019
Kaiser Permanente Washington
Exploring and acquiring new data sources for pregnancy research.
Direct Costs: \$86,918.
Role: Collaborative Scientist.

Major goals: To investigate new potential data sources for pregnancy research, including the New Zealand birth cohort and the Washington All Payers Claims Database, for feasibility to include in new federal grant proposals.

TEACHING AND MENTORING RESPONSIBILITIES

Teaching Positions

- Course Co-Chair, Epi 533/HEOR 520, Pharmacoepidemiology, Department of Epidemiology, University of Washington, Spring 2024, 20 students, 27 contact hours.
- Teaching Assistant, Preparing, Writing and Critiquing Scientific Research Proposals (graduate level course), Department of Epidemiology, University of Washington, Spring 2018
- Adjunct Faculty, Statistical Research Methods, Department of Allied Health, Lake Washington Institute of Technology, Autumn 2017
- Teaching Assistant, Exposure Measurement/Advanced Epidemiologic Methods I (graduate level course), Department of Epidemiology, University of Washington, Autumn 2016
- Teaching Assistant, Epidemiologic Methods I & II (graduate level courses), Department of Epidemiology, University of Washington, Autumn 2015 - Winter 2016

Guest Lectures

- Invited lecture, University of Pennsylvania Perelman School of Medicine. EPID 6660, Methods for Real-World Evidence on Therapeutics. "Inverse probability of treatment weighting to address confounding; Lecture and class exercise." April 7, 2026; April 9, 2025.
- Invited lecture, University of Washington School of Public Health. Epi 533/HEOR 520, Pharmacoepidemiology. "Inverse probability of treatment weighting to address confounding." April 28, 2026; May 5, 2022; May 4, 2020.
- Invited lecture, University of Washington Department of Psychiatry & Behavioral Sciences. Presented to University of Washington Psychiatry Fellows for the Women's Mental Health Fellowship program. "Interpreting the perinatal pharmacoepidemiology literature." September 23, 2020.
- Invited lecture, Kaiser Permanente Washington Health Research Institute Epi 101 course: "Survey design, data collection, data quality." Presented with Tuzzio L and DiJulio B. Mar 7, 2019.

Mentoring

- Serving on a Master of Public Health Thesis Committee at University of Washington for Maddie Clay, 2026.
- Served as a preceptor, beginning in Spring Quarter 2025, Epi 514 at University of Washington, on a group research project using Behavioral Risk Factor Surveillance System data, continued through November 2025 as students prepared a manuscript and submitted it to Public Health Nutrition.
 - Carolyn Graham
 - Allegra Johnson
 - Elena Dixon
- Sandra McAteer, 2023-2024, University of Washington MPH student
- Sarah Randall, 2020-2023, Kaiser Permanente Washington Health Research Institute staff and MPH student
- Valencia Baxter, Summer 2021, Project Imhotep Intern at Kaiser Permanente Washington Health Research Institute

PUBLICATIONS

Published Papers in Refereed (Peer-Reviewed) Journals

1. Yarborough BJH, Smith N, Stumbo SP, Keast E, **Wartko PD**, Yeung K, Zhu W, Petronis KR, Ahmedani BK, Andrade SE, Campbell CI, Clark RE, Cottler LB, Hechter RC, Mudumbai SC, Starrels JL, Boudreau DM. Incidence of and risk factors for developing prescription opioid misuse or abuse among patients prescribed long-term opioid therapy. Drug Alcohol Depend. Accepted September 10, 2026.

2. **Wartko PD**, Zhang R, Johnson E, Begle C, Bobb JF, Chen C, Singh A, Ross L, O'Connor PJ, Arterburn D, McCoy RG. Trends in utilization of glucagon-like peptide-1 receptor agonists, sodium-glucose cotransporter-2 inhibitors, and metabolic bariatric surgery in U.S. adults with diabetes and obesity. *Diabetes Res Clin Pract.* 2026 Oct;240:113504. doi: 10.1016/j.diabres.2026.113504. Epub 2026 Aug 20. PMID: 42624330.
3. **Wartko PD**, Fuller S, Bastarache L, Shortreed SM, Nickel KB, Durkin MJ, Osmundson SS, McAteer S, Butler AM, Dublin S. Patterns of Antibiotic Utilization and Bacterial Susceptibility of Prenatal Urinary Tract Infections. *J Womens Health (Larchmt).* 2026 Jun 29;15409996261463319. doi: 10.1177/15409996261463319. Epub ahead of print. PMID: 42374771.
4. Gatto NM, Dublin S, Ball R, Carrell DS, Cronkite D, Eniafe R, Desai R, Floyd JS, Lee T, Nelson JC, Shebl FM, Schoepfle R, Toh S, **Wartko PD**, Zhang M, Hernández-Muñoz JJ. A Systematic Process for Assessing Fitness-for-Purpose of Health Outcomes for Computable Phenotyping with Electronic Health Record Data. *Pharmacoepidemiol Drug Saf.* 2026 Mar;35(3):e70346. doi: 10.1002/pds.70346. PMID: 41820261.
5. Binswanger IA, Yu O, Idu A, Yu O, **Wartko PD**, Addis M, Bobb JF, Lee AK, Yarborough BJ, Arnsten J, Glass J, Northrup T, Murphy M, Shoup JA, Potter A, Bradley KA. Variability in Medication Treatment of Opioid Use Disorder (OUD) in Primary Care: Comparison of PROUD Trial Intervention Practices and Other Exemplar Practices. *J Subst Use Addict Treat.* 2026 Jan 16:209896. doi: 10.1016/j.josat.2026.209896. Epub ahead of print. PMID: 41548605; PMCID: PMC13007558.
6. Bradley KA, Hyun N, Idu A, Yu O, Bobb JF, **Wartko PD**, Weinstein Z, Matthews AG, McCormack J, Lee AK, Samet JH, and PROUD Trial Collaborators on Sex, Race, and Ethnicity: Campbell ANC, Horigian V, Szapocznik J, Zare-Mahrjerdi M, Glass JE, Murphy MT, Arnsten JH, Liu D, Campbell CI, Ellis RL, Simon CB, Beers D, Saxon AJ. Differences in benefits of office based addiction treatment: Secondary analyses across sub-groups in the PROUD randomized controlled implementation trial. *Addiction.* 2025 Nov 24. doi: 10.1111/add.70221. Epub ahead of print. PMID: 41287180.
7. Harrington LB, Tom SE, Krakauer C, **Wartko PD**, Chau K, Muiruri R, Micks E, McEvoy LK, LaCroix AZ, Miller EC. Adverse pregnancy outcomes and cognitive change in older women. *J Women's Health (Larchmt).* Accepted July 15, 2025.
8. Osmundson SS, Nickel KB, Shortreed SM, Dublin S, Stwalley D, Durkin MJ, **Wartko PD**, Sahrman JM, Colvin R, Butler, AM. First-trimester antibiotic use for urinary tract infection and risk of congenital malformations. *JAMA Netw Open.* 2025 Jul 1;8(7):e2519544. doi: 10.1001/jamanetworkopen.2025.19544. PubMed PMID: 40632535; PubMed Central PMCID: PMC12242685.
9. McAteer S, **Wartko PD**, Hajat A, Fuller S, Shortreed SM, Butler A, Enquobahrie DA, Garcia R, Dublin S. Racial and Ethnic Disparities in the Incidence and Treatment of Urinary Tract Infection During Pregnancy. *J Women's Health (Larchmt).* 2025 May 21;. doi: 10.1089/jwh.2024.0940. [Epub ahead of print] PubMed PMID: 40295096.
10. Chavez LJ, Yu O, **Wartko PD**, Braciszewski JM, Glass JE, Horigian VE, Arnsten JH, Murphy MT, Stotts AL, Bagley SM, Lapham GT, Samet JH. Opioid use disorder medications among youth in primary care: Subgroup analysis of the PROUD trial. *Pediatr Open Sci.* 2025 Apr-Jun;1(2). doi: 10.1542/pedsos.2024-000392. Epub 2025 Apr 25. PubMed PMID: 40718732; PubMed Central PMCID: PMC12288600.
11. Matson TE, Lee AK, Miech EJ, **Wartko PD**, Phillips RC, Shea M, Altschuler A, Campbell ANC, Labelle CT, Arnsten JH, Braciszewski JM, Glass JE, Horigian VE, Murphy MT, Zare-Mehrjerdi M, Bradley KA. The difference-making role of staff support in implementing nurse care management for opioid use disorder treatment: A configurational analysis. *J Subst Use Addict Treat.* 2025 May;172:209642. doi: 10.1016/j.josat.2025.209642. Epub 2025 Feb 15. PubMed PMID: 39961581; PubMed Central PMCID: PMC12009210.
12. Weinstein ZM, Yu O, **Wartko PD**, Samet JH, Bobb JF, Braciszewski JM, Arnsten JH, Murphy MT, Horigian VE, Stotts AL, Beers D, Bradley KA. Does implementation of office based addiction treatment by a nurse care manager increase the duration of OUD treatment in primary care? A secondary analysis of the PROUD randomized control trial. *Drug Alcohol Depend.* 2024 Dec 1;265:112497. doi: 10.1016/j.drugalcdep.2024.112497. Epub 2024 Nov 10. PMID: 39550823; PMCID: PMC11608535.

13. Lapham GT, Hyun N, Bobb JF, **Wartko PD**, Matthews AG, Yu O, McCormack J, Lee AK, Liu DS, Samet JH, Zare-Mherjerdi M, Braciszewski JM, Murphy MT, Arnsten JH, Horigian V, Caldeiro RM, Addis M, Bradley KA. Nurse Care Management of Opioid Use Disorder Treatment After 3 Years; A Secondary Analysis of the PROUD Cluster Randomized Clinical Trial. *JAMA Netw Open*. 2024 Nov 4;7(11):e2447447. doi: 10.1001/jamanetworkopen.2024.47447. PubMed PMID: 39576637; PubMed Central PMCID: PMC11584924.
14. Bobb JF, Idu AE, Qiu H, Yu O, Boudreau DM, **Wartko PD**, Matthews AG, McCormack J, Lee AK, Campbell CI, Saxon AJ, Liu DS, Altschuler A, Samet JH, Northrup TF, Braciszewski JM, Murphy MT, Arnsten JH, Cunningham CO, Horigian VE, Szapocznik J, Glass JE, Caldeiro RM, Tsui JI, Burganowski RP, Weinstein ZM, Murphy SM, Nyun N, Bradley KA. Offering nurse care management for opioid use disorder in primary care: impact on emergency and hospital utilization in a cluster-randomized implementation trial. *Drug Alcohol Depend*. 2024 Aug 1;261:111350. doi: 10.1016/j.drugalcdep.2024.111350. Epub 2024 Jun 10. PMID: 38875880; PMCID: PMC11281026.
15. **Wartko PD**, Bobb JF, Boudreau DM, Matthews AG, McCormack J, Lee AK, Qiu H, Yu O, Hyun N, Idu AE, Campbell CI, Saxon AJ, Liu DS, Altschuler A, Samet JH, Labelle CT, Zare-Mahrjerdi A, Stotts AL, Braciszewski JM, Murphy MT, Dryden D, Arnsten JH, Cunningham CO, Horigian VE, Szapocznik J, Glass JE, Caldeiro RM, Phillips RC, Shea M, Bart G, Schwartz RP, McNeely J, Liebschutz JM, Tsui JI, Merrill JO, Lapham GT, Addis M, Bradley KA, PROUD Trial Collaborators. Nurse care management for opioid use disorder treatment: The PROUD cluster randomized clinical trial. *JAMA Intern Med*. 2023 Dec 1;183(12):1343-1354. doi: 10.1001/jamainternmed.2023.5701. PubMed PMID: 37902748; PubMed Central PMCID: PMC10616772.
16. **Wartko PD**, Krakauer C, Turner JA, Cook AJ, Boudreau DM, Sullivan MD. STRategies to Improve Pain and Enjoy life (STRIPE): Results of a pragmatic randomized trial of pain coping skills training and opioid medication taper guidance for patients on long-term opioid therapy. *Pain*. 2023 Dec 1;164(12):2852-2864. doi: 10.1097/j.pain.0000000000002982. Epub 2023 Aug 25. PubMed PMID: 37624901; PubMed Central PMCID: PMC10843637.
17. **Wartko PD**, Qiu H, Idu AE, Yu O, McCormack J, Matthews A, Bobb JF, Saxon AJ, Campbell CI, Liu D, Braciszewski JM, Murphy SM, Burganowski RP, Murphy MT, Horigian VE, Hamilton LK, Lee AK, Boudreau DM, Bradley KA. Baseline representativeness of patients in clinics enrolled in the PRimary care Opioid Use Disorders treatment (PROUD) trial: comparison of trial and non-trial clinics in the same health systems. *BMC Health Serv Res*. 2022 Dec 29; 22(1): 1593. doi: 10.1186/s12913-022-08915-1.
18. Kiel L, Hsu C, **Wartko PD**, Albertson-Junkans L, Ewing J, Lapham G. Perspectives from women who engaged in prenatal and postpartum cannabis use in a U.S. state with legal non-medical use. *Prev Med Rep*. 2023 Feb;31:102075. doi: 10.1016/j.pmedr.2022.102075. eCollection 2023 Feb. PubMed PMID: 36820379; PubMed Central PMCID: PMC9938312.
19. **Wartko PD**, Boudreau DM, Turner JA, Cook AJ, Wellman RD, Fujii MM, Garcia RC, Moser KA, Sullivan MD. STRategies to Improve Pain and Enjoy life (STRIPE): Protocol for a pragmatic randomized trial of pain coping skills training and opioid medication taper guidance for patients on long-term opioid therapy. *Contemp Clin Trials*. 2021 Nov;110:106499. doi: 10.1016/j.cct.2021.106499. Epub 2021 Jul 2. PubMed PMID: 34217889; PubMed Central PMCID: PMC8595515
20. **Wartko PD**, Weiss NS, Enquobahrie DA, Chan KCG, Stephenson-Famy A, Mueller BA, Dublin S. Association of antidepressant continuation in pregnancy and infant birthweight. *J Clin Psychopharmacol*. 2021 Jul-Aug 01;41(4):403-413. doi: 10.1097/JCP.0000000000001410. PubMed PMID: 34029294; PubMed Central PMCID: PMC8423453.
21. Campbell CI, Saxon AJ, Boudreau DM, **Wartko PD**, Bobb JF, Lee AK, Matthews AG, McCormack J, Liu DS, Addis M, Altschuler A, Samet JH, Labelle C, Arnsten J, Caldeiro RM, Borst DT, Stotts AL, Braciszewski JM, Szapocznik J, Bart GB, Schwartz RP, McNeely J, Liebschutz JM, Tsui JI, Merrill JO, Glass JE, Lapham GT, Murphy SM, Weinstein ZM, Yarborough BJH, Bradley KA. PRimary Care Opioid Use Disorders treatment (PROUD) trial protocol: A pragmatic, cluster-randomized implementation trial in primary care for opioid use disorder treatment. *Addict Sci Clin Pract*. 2021 Jan 31;16(1):9. doi: 10.1186/s13722-021-00218-w. PubMed PMID: 33517894; PubMed Central PMCID: PMC7849121.
22. **Wartko PD**, Weiss NS, Enquobahrie DA, Chan KCG, Stephenson-Famy A, Mueller BA, Dublin S. Maternal gestational weight gain in relation to antidepressant continuation in pregnancy. *Am J*

- Perinatol. 2021 Nov;38(13):1442-1452. doi: 10.1055/s-0040-1713652. Epub 2020 Jun 30. PubMed PMID: 32604448; PubMed Central PMCID: PMC8487259.
23. **Wartko PD**, Weiss NS, Enquobahrie DA, Chan KCG, Stephenson-Famy A, Mueller BA, Dublin S. Antidepressant continuation in pregnancy and risk of gestational diabetes. *Pharmacoepidemiol Drug Saf.* 2019 Sep;28(9):1194-1203. doi: 10.1002/pds.4799. Epub 2019 Jul 12. PubMed PMID: 31298445; PubMed Central PMCID: PMC6728166.
 24. Chen L, Pocobelli G, Yu O, Shortreed SM, Osmundson SS, Fuller S, **Wartko PD**, McCulloch D, Warwick S, Newton KM, Dublin S. Early pregnancy hemoglobin A1C and pregnancy outcomes: A population-based study. *Am J Perinatol.* 2019 Aug;36(10):1045-1053. doi: 10.1055/s-0038-1675619. Epub 2018 Nov 30. PubMed PMID: 30500961; PubMed Central PMCID: PMC6612540.
 25. Pocobelli G, Onchee Y, Fuller S, Fraser JR, **Wartko PD**, Chen L, Newton K, Dimer J, McCulloch D, Warwick S, Dublin S. One-step approach to identifying gestational diabetes mellitus: association with perinatal outcomes. *Obstet Gynecol.* 2018 Oct;132(4):859-867. doi: 10.1097/AOG.0000000000002780. PubMed PMID: 30130344.
 26. **Wartko PD**, Beck TL, Reed SD, Mueller BA, Hawes SE. Association of endometrial hyperplasia and cancer with a history of gestational diabetes. *Cancer Causes Control.* 2017 Aug;28(8):819-828. doi: 10.1007/s10552-017-0908-9. Epub 2017 Jun 2. PubMed PMID: 28577154; PubMed Central PMCID: PMC8487256.
 27. Badon SE, Enquobahrie DA, **Wartko PD**, Miller RS, Qiu C, Gelaye B, Sorensen TK, Zhang C, Williams MA. Healthy lifestyle during early pregnancy and risk of gestational diabetes mellitus. *Am J Epidemiol.* 2017 Aug 1;186(3):326-333. doi: 10.1093/aje/kwx095. PMC5860043.
 28. **Wartko PD**, Wong EY, Enquobahrie DA. Maternal birthplace is associated with low birth weight within racial/ethnic groups. *Matern Child Health J.* 2017 Jun; 21(6):1358-1366. doi: 10.1007/s10995-016-2241-2244. PMC5445006.
 29. Badon SE, **Wartko PD**, Qiu C, Sorensen TK, Williams MA, Enquobahrie DA. Leisure time physical activity and gestational diabetes mellitus in the Omega study. *Am J Epidemiol.* 2017 Aug 1;186(3):326-333. doi: 10.1093/aje/kwx095. PubMed PMID: 28481961; PubMed Central PMCID: PMC5860043.
 30. **Wartko P**, Sherman ME, Yang HP, Felix AS, Brinton LA, Trabert B. Recent changes in endometrial cancer trends among menopausal-age US women. *Cancer Epidemiol.* 2013 Aug;37(4):374-7. doi: 10.1016/j.canep.2013.03.008. Epub 2013 Apr 13. PubMed PMID: 23591011; PubMed Central PMCID: PMC3679300.

Invited Commentaries/Editorials

1. Dublin S, **Wartko P**, Mangione-Smith R. Studying medication safety in pregnancy: a call for new approaches, resources and collaborations. *Pediatrics.* 2020 Jul;146(1). doi: 10.1542/peds.2020-1540. Epub 2020 Jun 8. PubMed PMID: 32513842.

Non-Refereed Papers/Articles

1. Bender K, study author quoted: **Wartko PD**. "Tapering Analgesics in Chronic Pain Linked to Positive Outcomes." *Pain Medicine News* article. <https://www.painmedicineneeds.com/Clinical-Pain-Medicine/Article/04-25/Tapering-Analgesics-in-Chronic-Pain-Linked-to-Positive-Outcomes/76647> [Epub Apr 11, 2025].
2. Firth S, study author quoted: **Wartko PD**. "Adding Nurse Care Managers in Primary Care Boosted OUD Treatment." *Med Page Today* news article. <https://www.medpagetoday.com/nursing/nursing/107094> [Epub Oct 31, 2023].
3. Boggs W, expert commenter: **Wartko PD**. "Increased Risk of Gestational Diabetes Seen With Some Antidepressants." *Reuters* news article published on the Psychiatry & Behavioral Health Learning Network website. <https://www.psychcongress.com/article/increased-risk-gestational-diabetes-seen-some-antidepressants>. [Epub Oct 3, 2019].
4. Badon SE and **Wartko PD**. Active Voice: Exercising for Two — Physical Activity during Pregnancy to Prevent Gestational Diabetes. *Sports Medicine Bulletin; A Weekly News and Sports Resource from the American College of Sports Medicine.* <https://www.multibriefs.com/briefs/acsm/active100416.htm> [Epub Oct 3, 2016].

INVITED PRESENTATIONS

1. **Wartko PD**, Bobb JF, Bushey M, Bradley KA. National Institute on Drug Abuse Clinical Trials Network Summer Webinar Series on Real World Data: Pragmatic trials to improve treatment of opioid use disorder in primary care using real world data: PROUD and MI-CARE— Unique approaches and lessons learned; July 21, 2021.
2. **Wartko PD**, Weiss NS, Enquobahrie DA, Chan KCG, Stephenson-Famy A, Mueller BA, Dublin S. Scientific Seminar: Antidepressant medication continuation during pregnancy and perinatal outcomes, including gestational weight gain, gestational diabetes, and birthweight [oral presentation]. Kaiser Permanente Washington Health Research Institute Scientific Seminar, May 28, 2019; Seattle, WA.

OTHER PRESENTATIONS

Workshops

1. Fuoco MJ, Lee AK, **Wartko PD**, Hamilton PD, Glass JE, Lapham GT, Matthews AG, McCormack J, Debar L, Saxon AJ, Bradley KA. Conducting Pragmatic Trials of Interventions to Improve Care for Substance Use in Medical Settings: Lessons from 4 Trials. 2022 College on Problems of Drug Dependence Annual Scientific Meeting; June 12, 2022; Minneapolis, MN.

Oral Presentations

1. Yarborough BJ, Smith N, Stumbo SP, Janoff SL, Keast E, **Wartko PD**, Zhu W, Petronis KR, Ahmedani BK, Andrade SE, Campbell CI, Clark RE, Cottler LB, Hechter RC, Mudumbai SC, Starrels JL. Study 3033 1: Incidence of Opioid Use Disorder Among Patients Prescribed Long term Opioid Therapy. Oral presentation, 2026 Health Care Systems Research Network (HCSRN) Conference, Dallas, Texas, April 21–23, 2026.
2. Fuller S, Dublin S, **Wartko PD**, Nickel K, Butler A. Using Electronic Health Data to Identify Urinary Tract Infections in Pregnancy. Oral presentation, Health Care Systems Research Network annual conference, St. Louis, Missouri, April 8–10, 2025.
3. **Wartko PD (presenter)**, Fuller S, Butler AM, Shortreed SM, Durkin M, Osmundson S, Nickel KB, McAteer S, Garcia R, Dublin S. Differences in urinary tract infection incidence during pregnancy by racial and ethnic group in an integrated health system in the US, 2010–2022. “Lightning round” oral presentation, International Conference on Pharmacoepidemiology, Halifax, Nova Scotia, August 25, 2023.
4. Bradley KA, Matthews AG, Bobb JF, McCormack J, **Wartko PD**, Liu DS, Campbell CI, Samet JA, Saxon AJ. PRimary care Opioid Use Disorders treatment (PROUD) trial: A cluster-randomized implementation trial. 11th Annual Collaborative Perspectives on Addiction Conference, March 23, 2023, Albuquerque, New Mexico.
5. Bradley KA, Bobb JF, Matthews AG, Boudreau DM, **Wartko PD**, McCormack J, Liu DS, Campbell CI, Lee AK, Samet JA, Labelle CT, Addis M, Yu O, Idu A, Qiu H, Hyun N, Glass JE, Caldeiro R, Arnsten J, Cunningham C, Braciszewski JM, Loree A, Stotts A, Zare M, Szapocznik J, Horigian V, Murphy MT, Saxon AJ. PROUD Trial Main Results: A Pragmatic Implementation Trial Testing the Massachusetts Model of Nurse Collaborative Care for Opioid Use Disorder. International Network on Brief Interventions for Alcohol Problems (INEBRIA) 18th Annual Conference. Edinburgh, Scotland, United Kingdom. September 23, 2022.
6. **Wartko PD (presenter)**, Weiss NS, Enquobahrie DA, Chan KCG, Stephenson-Famy A, Mueller BA, Dublin S. Validity of maternal weight and gestational weight gain measures from birth certificates [oral presentation]. Presented at: Annual Meeting of the Society for Epidemiologic Research; June 20, 2019; Minneapolis, MN.

7. **Wartko PD (presenter)**, Weiss NS, Enquobahrie DA, Chan KCG, Stephenson-Famy A, Mueller BA, Dublin S. Antidepressant continuation in pregnancy in relation to infant birthweight [oral presentation]. Presented at: Health Care Systems Research Network Annual Meeting; Apr 8, 2019; Portland, OR.
8. **Wartko PD (presenter)**, Weiss N, Enquobahrie DA, Mueller BA, Chan GKC, Stephenson-Famy A, Dublin S. Association of antidepressant continuation in pregnancy with maternal gestational weight gain and gestational diabetes [oral presentation]. Presented at: International Conference on Pharmacoepidemiology; Aug 25, 2018; Prague, Czech Republic.
9. Pocobelli G, Warwick S, Dimer J, Yu O, Fuller S, Fraser J, **Wartko PD**, Chen L, Newton KM, McCulloch D, Dublin S. Maternal and neonatal outcomes in relation to adoption of the 1-step approach to identifying gestational diabetes mellitus [oral presentation]. Presented at: Annual Meeting of the Society for Maternal Fetal Medicine; Feb 2, 2018; Dallas, TX.
10. Badon SE, **Wartko PD**, Qiu C, Williams MA, Enquobahrie DA. Maternal leisure time physical activity and pregnancy complications: the Omega study [oral presentation]. Presented at: American College of Sports Medicine 62nd Annual Meeting; May 29, 2015; San Diego, CA.
11. **Wartko PD (presenter)**, Wong EY. Assessing low birth weight by detailed racial/ethnic groups, King County, 2008-2012 [oral presentation]. Presented to: Assessment, Policy Development and Evaluation Unit at Public Health – Seattle & King County and community groups; August 12 and 18, 2014; Seattle, WA.

Poster Presentations

1. **Wartko PD**, Butler AM (presenter), Shortreed SM, Fuller S, Durkin MJ, Osmundson SS, Nickel KB, Bastarache L, Garcia R, Dublin S. Comparative effectiveness of antibiotic treatment regimens for urinary tract infection during pregnancy: risk of antibiotic switch and pyelonephritis [poster]. International Society for Pharmacoepidemiology (ISPE) Annual Meeting; August 29, 2026; Milan, Italy.
2. Osmundson SS, Shortreed SM, Dublin S, Colvin R, Sahrman JM, Nickel KB, Durkin MJ, **Wartko PD**, Stwalley D, Reske KA, Butler AM. Antibiotic use for urinary tract infection in pregnancy and risk of adverse perinatal outcomes [poster]. International Society for Pharmacoepidemiology (ISPE) Annual Meeting; August 29, 2026; Milan, Italy.
3. Yarborough BJH, Smith N, Stumbo SP, Keast E, **Wartko PD**, Zhu W, Petronis KR, Ahmedani BK, Andrade SE, Campbell CI, Clark RE, Cottler LB, Hechter RC, Mudumbai SC, Starrels JL. 12-month Incidence of Opioid Use Disorder among Patients Prescribed Long-Term Opioid Therapy: An Observational Study. Poster session: College in Problems of Drug Dependence (CPDD) Scientific Meeting; June 13-17, 2026; Portland, OR.
4. Brenowitz W, Schreiner P, Kathryn H, **Wartko PD**, Dickerson J, Reavis J, Yaffe K. Hearing loss and cognition in the mid-to-late life transition [poster]. Presented at: Annual Meeting of the Gerontological Society of America; November 13, 2025; Boston, MA.
5. Butler AM, Nickel KB, Shortreed SM, Durkin MJ, **Wartko PD**, Colvin R, Sahrman JM, Stwalley D, Osmundson SS. Comparative Risk of Preterm Birth Among Pregnant Individuals Treated for UTI with Different Antibiotics [poster]. Presented at: Annual Meeting of the International Society for Pharmacoepidemiology; August 25, 2025; Washington DC.
6. **Wartko PD**, Zhang R, Arterburn D, Johnson E, Bobb JF, Chen C, Ross L, O'Connor PJ, McCoy RG. Dynamic changes in first utilization of glucagon-like peptide-1 receptor agonists, sodium-glucose cotransporter-2 inhibitors, and metabolic/bariatric surgery; an analysis of OptumLabs data, 2010-2023 [poster]. Presented at: Annual Meeting of the Society for Epidemiologic Research; June 10, 2025; Boston, MA.
7. Fuller S, Dublin S, **Wartko PD**, Nickel KB, Butler AM. Using Electronic Health Data to Identify Urinary Tract Infections in Pregnancy [poster]. Presented at: AcademyHealth Annual Research Meeting; June 7-10, 2025; Minneapolis, MN.
8. McAteer S, **Wartko PD**, Hajat A, Fuller S, Shortreed SM, Butler A, Enquobahrie DA, Garcia R; Dublin S. Examining Racial and Ethnic Disparities in the Incidence of Urinary Tract Infection During

Pregnancy: A Cohort Study. Poster session, Infectious Diseases Society for Obstetrics and Gynecology, August 1, 2024, Portland, OR.

9. Matson TE, Lee AK, Miech EJ, **Wartko PD**, Phillips RC, Shea M, Altschuler A, Campbell ANC, Labelle CT, Arnsten JH, Braciszewski JM, Glass JE, Horigian VE, Murphy MT, Zare-Mehrjerdi M, Bradley KA. The difference-making role of staff support in implementing nurse care management for opioid use disorder treatment: a configurational analysis. Poster session: Addiction Health Services Research Conference; October 16-18, 2024; San Francisco, CA.
10. Bradley KA, Hyun N, Idu A, **Wartko PD**, Liu D, Matthews A, McCormack J, Campbell AN, Samet J, Lee AK, Yu O, Campbell C, Horigian V, Glass J, Braciszewski JM, Arnsten J, Bobb J. Differential Effect of Implementing Office Based Addiction Treatment in Primary Care on OUD Treatment across Sex and Race or Ethnicity in the PROUD Trial. Poster session: College in Problems of Drug Dependence (CPDD) Scientific Meeting; June 15-19, 2024; Montreal, Quebec.
11. Bradley KA, Hyun N, Idu A, **Wartko PD**, Liu D, Matthews A, McCormack J, Campbell C, Horigian V, Glass J, Braciszewski J, Arnsten J, Bobb J. Differential impact of nurse care management of opioid use disorder in primary care across sex, race and ethnicity in the PROUD implementation trial. Poster session: Promoting Health Equity and Eliminating Disparities; Poster session: 16th Annual Conference on the Science of Dissemination and Implementation; 2023 December 10-13; Washington, DC.
12. Bradley KA, Idu A, **Wartko PD**, Lee AK, Liu D, McCormack J, Matthews A, Campbell C, Campbell ANC, Horigian V, Stotts A, Szapocznik J, Murphy M, Braciszewski J, Bobb J. Commonly used performance measure of treatment for opioid use disorder underestimates disparities across sex, race and ethnicity compared to a population-based measure. Poster session: Promoting Health Equity and Eliminating Disparities; 16th Annual Conference on the Science of Dissemination and Implementation; 2023 December 10-13; Washington, DC.
13. Butler AM, Nickel KB, Durkin MJ, Stwalley D, Osmundson S, **Wartko PD**, Shortreed SM, Fuller S, Garcia R, Dublin S. Patterns of Antibiotic Utilization for Urinary Tract Infection During Pregnancy, 2007–2020. Butler AM, Nickel KB, Durkin MJ, Stwalley D, Osmundson SS, Wartko PD, Shortreed SM, Fuller S, Garcia R, Dublin S. International Conference on Pharmacoepidemiology, Halifax, Nova Scotia, August 27, 2023.
14. **Wartko PD**, Matthews AG, Bobb JG, Boudreau DM, McCormack J, Qiu H, Yu O, Hyun N, Lee AK, Campbell CI, Saxon AJ, Liu DS, Altschuler A, Samet JH, Stotts AL, Braciszewski JM, Murphy MT, Arnsten JH, Cunningham CO, Horigian VE, Szapocznik J, Glass JE, Caldeiro RM, Phillips RC, Shea M, Schwartz RP, McNeely J, Liebschutz JM, Tsui JI, Merrill JO, Bradley KA. The PRimary Care Opioid Use Disorders treatment (PROUD) trial: a cluster-randomized implementation trial testing the impact of a nurse care manager program on opioid use disorder treatment [poster]. College on Problems of Drug Dependence, presented by Katharine Bradley on June 20, 2023; Denver, CO.
15. **Wartko PD**, Fuller S, Singh U, Howe A, Shortreed SM, D'Souza S, Mangione-Smith R, Dublin S. Trends in Antiemetic Medication Use in Pregnancy in an Integrated Health System in the US, 2010–2021 [poster]. Presented virtually at the 62nd Annual Meeting, Society for Birth Defects Research and Prevention; June 21, 2022; Vancouver BC, Canada and presented in-person (by Sascha Dublin on behalf of Paige Wartko) at the ISPE 38th International Conference on Pharmacoepidemiology and Therapeutic Risk Management; August 24-28, 2022; Copenhagen, Denmark.
16. **Wartko PD**, Howe A, Shortreed SM, Mangione-Smith R, Dublin S. Trends in antinausea medication use in pregnancy in New Zealand, 2006-2016 [poster]. Presented virtually at ISPE 36th International Conference on Pharmacoepidemiology and Therapeutic Risk Management (ICPE All Access virtual meeting); September 16, 2020.
17. **Wartko PD**, Dublin S, Kiel L, Ewing J, Albertson-Junkans L, Hsu C, Lapham G. Prevalence and frequency of cannabis use among pregnant women in a large health care system in Washington State [poster]. Presented at: Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research; June 19, 2018; Baltimore, MD.
18. **Wartko PD**, Weiss N, Enquobahrie DA, Mueller BA, Chan GKC, Stephenson-Famy A, Dublin S. Association of antidepressant continuation in pregnancy with maternal gestational weight gain, gestational diabetes and infant birth weight [poster]. Presented at: Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research; June 19, 2018; Baltimore, MD.

19. Chen L, Pocobelli G, Shortreed SM, Osmundson S, Fuller S, **Wartko P**, McCulloch D, Warwick S, Newton KM, Dublin S. Early Pregnancy Hemoglobin A1c Values and Pregnancy Outcomes: a Population-Based Study [poster]. Society for Maternal Fetal Medicine; Feb 2, 2018; Dallas, TX.
20. Badon SE, Enquobahrie DA, **Wartko PD**, Miller RS, Qiu C, Gelaye B, Williams MA. Healthy lifestyle during early pregnancy and risk of gestational diabetes mellitus [poster]. Presented at: 2016 Epidemiology Congress of the Americas, June 23, 2016; Miami, FL.
21. Beck TL, Urban RU, Reed SD, Mueller BA, Hawes SE, **Wartko PD**. Gestational diabetes may increase risk of endometrial cancer later in life - results of a population-based study in Washington State; 1987-2012 [poster]. Presented at: Society of Gynecologic Oncology 2015 Annual Meeting on Women's Cancers; March 28, 2015; Chicago, IL.
22. **Wartko PD**, Mueller BA, Reed SD, Hawes SE, Beck TL. Association of endometrial hyperplasia or cancer with a history of gestational diabetes - results from a population-based study in Washington State, 1987-2013 [poster]. Presented at: 28th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research; June 16, 2015; Denver, CO.
23. **Wartko PD**, Wong EY, Enquobahrie DA. Low birth weight among detailed racial and ethnic groups by maternal country of origin [poster]. Presented at: 28th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research; June 16, 2015; Denver, CO.
24. **Wartko PD**, Sherman ME, Yang HP, Felix AS, Brinton LA, Trabert B. Recent changes in endometrial cancer trends among menopausal-age US women [poster]. Presented at: National Institutes of Health Summer Poster Day; August 9, 2012; Bethesda, MD and National Cancer Institute Division of Cancer Epidemiology and Genetics Summer Poster Session; August 10, 2012; Rockville, MD.
25. **Wartko PD**, Spitler H, Truong KD. Drinking behaviors of US women related to pregnancy across racial and ethnic groups [poster]. Presented at: Clemson University College of Health, Education and Human Development Research Forum; April 19, 2012; Clemson, SC.