



Anna Booman

Postdoctoral Scholar, Anesthesiology, Perioperative and Pain Medicine

Bio

BIO

Anna Booman, PhD, MS is a Postdoctoral Scholar in the Department of Anesthesiology, Perioperative, and Pain Medicine. She conducts perinatal pharmacoepidemiology research to study the safety and effectiveness of medication use during pregnancy, since most pregnant individuals cannot be included in clinical trials. She uses large observational datasets, such as the Merative MarketScan Database, and complex epidemiologic methods in her research.

Dr. Booman received her PhD in Epidemiology from the Oregon Health & Science University School of Public Health, her MS in Computational Biology and Quantitative Genetics from the Harvard T.H. Chan School of Public Health, and her BS in Mathematical Biology (minor: Computer Science) from the College of William & Mary. Her research has spanned many areas of perinatal epidemiology, including a focus on twin children, rare genetic disorders, gestational weight gain, and insurance discontinuity in pregnancy.

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Oregon Health Sciences University (2024)
- Master of Science, Harvard University (2020)
- PhD, Oregon Health & Science University School of Public Health , Epidemiology (2024)
- MS, Harvard T.H. Chan School of Public Health , Computational Biology & Quantitative Genetics (2020)
- BS, The College of William & Mary , Mathematical Biology (Minor in Computer Science) (2018)

LINKS

- LinkedIn: <https://www.linkedin.com/in/annabooman/>

Publications

PUBLICATIONS

- **Early childhood weight trajectory differences in twins, singletons, and gestational-age matched singletons.** *Preventive medicine reports*
Booman, A., Foster, B. A., Lyon-Scott, K., Marino, M., Snowden, J. M., Boone-Heinonen, J.
2025; 50: 102984
- **Methods for modeling gestational weight gain: empirical application using electronic health record data from a safety net population.** *BMC pregnancy and childbirth*

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2025; 25 (1): 35

- **Insurance coverage and discontinuity during pregnancy: Frequency and associations documented in the PROMISE cohort.** *Health services research*

Booman, A., Stratton, K., Vesco, K. K., O'Malley, J., Schmidt, T., Boone-Heinonen, J., Snowden, J. M.
2024; 59 (2): e14265

- **Pregnancy health in a multi-state U.S. population of systemically underserved patients and their children: PROMISE cohort design and baseline characteristics.** *BMC public health*

Boone-Heinonen, J., Lyon-Scott, K., Springer, R., Schmidt, T., Vesco, K. K., Booman, A., Dinh, D., Fortmann, S. P., Foster, B. A., Hauschildt, J., Liu, S., O'Malley, J., Palma, et al
2024; 24 (1): 886

- **Causal and Associational Language in Observational Health Research: A Systematic Evaluation.** *American journal of epidemiology*

Haber, N. A., Wieten, S. E., Rohrer, J. M., Arah, O. A., Tennant, P. W., Stuart, E. A., Murray, E. J., Pilleron, S., Lam, S. T., Riederer, E., Howcutt, S. J., Simmons, A. E., Leyrat, et al
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