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EDUCATION **University of Wisconsin-Madison School of Medicine and Public Health**  
PhD, Population Health Sciences, 2021  
Dissertation: Sibling spillover effects: method and applications  
Committee: Deborah Ehrental (co-chair), Felix Elwert (co-chair, Sociology), John Mullahy, Paul Peppard

**Dartmouth College**  
MS, Healthcare Research, 2015

**College of Wooster**  
BA, Communication Studies, Economics, 2013 (*cum laude*)

EMPLOYMENT **Rush University**  
Assistant Professor, Department of Family and Preventive Medicine, 2025-Present

**University of Wisconsin-Madison**  
Postdoctoral Fellow, Department of Family Medicine and Community Health, 2022-2024

**University of Texas-Austin**  
Postdoctoral Fellow, Population Research Center, 2021-2022

RESEARCH **Areas**  
Substantive: Infant health and development. Maternal and child health epidemiology. Prenatal and pediatric health care surveillance and evaluation.

Methodological: Graphical causal modeling. Multi-level modeling. Sibling comparison designs. Spillover effects.

#### Grants

“Racial and Geographic Disparities of Prenatal Care Coordination in Wisconsin.”

Role: Primary Investigator

Award: Advancing Health Equity and Diversity Pilot Award

Source: Institute for Clinical and Translational Research, University of Wisconsin-Madison

Support: \$10,000, July 2023-June 2024

#### Peer-Reviewed Publications

[1] **Mallinson DC**, Nkhoma-Mussa YB, Gillespie KH, Brown RL (2025). Preventing infant mortality through Medicaid-administered Prenatal Care Coordination: evidence from Wisconsin. *Health Services Research*. <https://doi.org/10.1111/1475-6773.14437> [Online ahead of print]

- [2] **Mallinson DC**, Gillespie KH (2024). Racial and geographic variation of Prenatal Care Coordination receipt in the state of Wisconsin, 2010-2019. *Journal of Community Health*. 49(4):732-747. <https://doi.org/10.1007/s10900-024-01338-5>
- [3] **Mallinson DC**, Kuo H, Kirby RS, Wang Y, Berger LM, Ehrental DB (2024). Maternal opioid use disorder and infant mortality in Wisconsin, 2010-2018. *Preventive Medicine*. 181(April 2024):107914. <https://doi.org/10.1016/j.ypmed.2024.107914>
- [4] **Mallinson DC**, Elwert F, Ehrental DB (2024). Spillover effects of gestational age on sibling's literacy. *Early Child Development and Care*. 194(2):244-259. <https://doi.org/10.1080/03004430.2023.2301420>  
\*Finalist, SER Tyroler Prize Paper Award, 2022 [preliminary draft]
- [5] **Mallinson DC**, Elwert F, Ehrental DB (2023). Spillover effects of Prenatal Care Coordination on older siblings beyond the mother-infant dyad. *Medical Care*. 61(4):206-215. <https://doi.org/10.1097/mlr.0000000000001822>  
\*Recipient, UW-Madison DFMCH William E. Scheckler Award, 2024
- [6] Marteleto LJ, Dondero M, Kumar S, **Mallinson DC** (2023). Measuring fertility intentions during times of crisis: an example using survey data amid the Covid-19 pandemic. *Studies in Family Planning*. 54(1):161-180. <https://doi.org/10.1111/sifp.12219>
- [7] Coutinho RZ, Firmino B, **Mallinson DC** (2022). "Exploring the Effects of Covid-19 on the Lives of Brazilian Women: Results of a National Online Survey." In: Hubert C, Miranda-Ribeiro P, Salinas V, editors. *Fecundidad, salud sexual y reproductiva en tiempos de la COVID-19 en Latinoamérica [Fertility, sexual and reproductive health in times of COVID-19 in Latin America]*. Rio de Janeiro, BR: ALAP Press; 38-66.
- [8] Rubenstein E, Ehrental DB, Nobles J, **Mallinson DC**, Bishop L, Jenkins MC, Kuo H, Durkin MS (2022). Brief report: Fertility rates in women with intellectual and developmental disabilities in Wisconsin Medicaid. *Disability and Health Journal*. 15(3):101321. <https://doi.org/10.1016/j.dhjo.2022.101321>
- [9] **Mallinson DC**, Elwert F (2022). Estimating sibling spillover effects with unobserved confounding using gain-scores. *Annals of Epidemiology*. 67(March 2022):73-80. <https://doi.org/10.1016/j.annepidem.2021.12.010>
- [10] Rubenstein E, Ehrental DB, **Mallinson DC**, Bishop L, Kuo H, Durkin M (2021). Birth outcomes affecting infants of mothers with intellectual and developmental disabilities. *Paediatric and Perinatal Epidemiology*. 35(6):706-716. <https://doi.org/10.1111/ppe.12765>
- [11] Rubenstein E, Ehrental DB, **Mallinson DC**, Bishop L, Kuo H, Durkin M (2020). Pregnancy complications and maternal birth outcomes in women with intellectual and developmental disabilities in Wisconsin Medicaid. *PLOS ONE*. 15(10):e0241298. <https://doi.org/10.1371/journal.pone.0241298>
- [12] **Mallinson DC**, Larson A, Berger LM, Grodsky E, Ehrental DB (2020). Estimating the effect of Prenatal Care Coordination in Wisconsin: a sibling fixed effects analysis. *Health Services Research*. 55(1):82-93. <https://doi.org/10.1111/1475-6773.13239>
- [13] **Mallinson DC**, Grodsky E, Ehrental DB (2019). Gestational age, kindergarten-level literacy, and effect modification by maternal socio-economic and demographic factors. *Paediatric and Perinatal Epidemiology*. 33(6):467-479. <https://doi.org/10.1111/ppe.12588>

[14] **Mallinson DC**, Kamenetsky ME, Hagen EW, Peppard PE (2019). Subjective sleep measurement: comparing sleep diary to questionnaire. *Nature and Science of Sleep*. 11:197-206. <https://doi.org/10.2147/NSS.S2178678>

[15] **Mallinson DC**, Ehrenthal DB (2019). Classification of Medicaid coverage on births records in Wisconsin, 2011-2012. *Public Health Reports*. 134(5):542-551. <https://doi.org/10.1177/0033354919860503>

[16] Ozanne EM, Howe R, **Mallinson D**, Esserman L, van't Veer LJ, Kaplan CP (2019). Evaluation of National Comprehensive Cancer Network guideline-based Tool for Risk Assessment for breast and ovarian Cancer (N-TRAC): a patient-reported survey for genetic high-risk assessment for breast and ovarian cancers in women. *Journal of Genetic Counseling*. 28(3):507-515. <https://doi.org/10.1002/jgc4.1051>

[17] Larson A, Berger LM, **Mallinson DC**, Grodsky E, Ehrenthal DB (2019). Variable uptake of Medicaid-covered Prenatal Care Coordination: the relevance of treatment level and service context. *Journal of Community Health*. 44(1):32-43. <https://doi.org/10.1007/s10900-018-0550-9>

### Under Review

[1] **Mallinson DC**. Prenatal Care Coordination and its impact on well-child visit receipt in early childhood.

### Preprints

[1] **Mallinson DC**. Assessing outcome-to-outcome interference in sibling fixed effects models. Preprint: <https://arxiv.org/abs/2109.13399>

### Editorials

[1] **Mallinson DC**, Jewell C, Aziz F (2024). The art of peer review. *Wisconsin Medical Journal*. 123(2):70-73. <https://wmjonline.org/123no2/mallinson/>

### Letters

[1] **Mallinson DC** (2022). The opportunities of change score analyses. *International Journal of Epidemiology*. 51(5):1690-1691. <https://doi.org/10.1093/ije/dyab201>

[2] **Mallinson DC** (2018). Disparities in hospital readmissions. *Health Affairs*. 37(8):1340. <https://doi.org/10.1377/hlthaff.2018.0552>

[3] **Mallinson DC**, Kramer RD, Mohamoud YA (2018). Challenges in studying Medicaid expansion's association with infant mortality. *American Journal of Public Health*. 108(7):e24. <https://doi.org/10.2105/AJPH.2018.304486>

### Conference Workshops and Panels

[1] Kirby RS, Ehrenthal DB, **Mallinson DC**, Berger LM. Data integration and population-based maternal and child health. CityMatCH Leadership and MCH Epidemiology Conference (2020). Virtual conference.

### Conference Abstracts

- [1] **Mallinson DC**. Racial and geographic variation in the impact of Prenatal Care Coordination on adverse birth outcomes. AcademyHealth Annual Research Meeting (2024). Baltimore, MD. Poster presentation.
- [2] **Mallinson DC**, Kuo H, Kirby RS, Berger LM, Ehrental DB. Maternal opioid use disorder and infant mortality in Wisconsin, 2010-2018. Society for Epidemiologic Research Annual Meeting (2023). Portland, OR. Oral presentation.
- [3] **Mallinson DC**, Kuo H, Kirby RS, Berger LM, Ehrental DB. Maternal opioid use disorder and infant mortality in Wisconsin, 2010-2018. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting (2023). Portland, OR. Poster presentation.
- [4] **Mallinson DC**. Assessing outcome-to-outcome interference in sibling fixed effects models. Population Association of America Annual Meeting (2023). New Orleans, LA. Oral presentation.
- [5] **Mallinson DC**, Kuo H, Kirby RS, Berger LM, Ehrental DB. Maternal opioid use disorder and infant mortality in Wisconsin, 2010-2018. Population Association of America Annual Meeting (2023). New Orleans, LA. Oral presentation.
- [6] **Mallinson DC**, Marteleto LJ. Birth weight and subsequent pregnancy intention in the context of disease outbreaks. Population Association of America Annual Meeting (2022). Atlanta, GA. Oral presentation.
- [7] **Mallinson DC**, Elwert F, Ehrental DB. Gestational age and siblings' literacy: spillover effects in the family. Society for Epidemiologic Research Annual Meeting (2021). Virtual conference. Poster presentation.
- [8] Rubenstein E, Ehrental DB, Nobles J, **Mallinson DC**, Bishop L, Jenkins M, Kuo HD, Durkin M. Fertility rates in women with intellectual and developmental disabilities in Wisconsin Medicaid. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting (2021). Virtual conference. Oral presentation.
- [9] **Mallinson DC**, Elwert F, Ehrental DB. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting (2021). Virtual conference. Oral presentation.
- [10] **Mallinson DC**, Elwert F, Ehrental DB. Gestational age and siblings' literacy: spillover effects in the family. Population Association of America Annual Meeting (2021). Virtual conference. Oral presentation.
- [11] **Mallinson DC**, Ehrental DB. Prenatal Care Coordination and birth spacing among Medicaid beneficiaries in Wisconsin. Population Association of America Annual Meeting (2020). Washington, DC. Poster presentation. [Accepted — conference canceled due to 2020 COVID-19 disease outbreak]
- [12] **Mallinson DC**, Grodsky E, Berger LM, Ehrental DB. Gestational age, early literacy, and effect modification by maternal socioeconomic or demographic factors. Society for Epidemiologic Research Annual Meeting (2019). Minneapolis, MN. Poster presentation.
- [13] **Mallinson DC**, Grodsky E, Berger LM, Ehrental DB. Gestational age, early literacy, and effect modification by maternal socioeconomic or demographic factors. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting (2019). Minneapolis, MN. Poster presentation.
- [14] Shrider EA, **Mallinson DC**. Evaluating rural-urban typologies for use in healthcare research. Population Association of America Annual Meeting (2019). Austin, TX. Poster presentation.

[15] Larson A, **Mallinson DC\***, Berger LM, Grodsky E, Ehrental DB. The effect of Prenatal Care Coordination on birth outcomes: a sibling fixed effects analysis. CityMatCH Leadership and MCH Epidemiology Conference (2018). Portland, OR. Oral presentation.

\*Presenter

[16] Larson AM, Berger LM, **Mallinson DC**, Grodsky E, Ehrental DB. Variable uptake of Medicaid-covered Prenatal Care Coordination: the relevance of treatment level and service context. AcademyHealth Annual Research Meeting (2018). Seattle, WA. Poster presentation.

[17] Ehrental DB, **Mallinson DC**, Larson AM, Voskuil K, Berger LM, Grodsky E. Integrating data systems to expand the evidence base for maternal and child health strategies. AcademyHealth Annual Research Meeting (2018). Seattle, WA. Poster presentation.

[18] **Mallinson DC**, Ehrental DB. Classification of Medicaid coverage on birth records in Wisconsin, 2011-2012. Society for Epidemiologic Research Annual Meeting (2017). Seattle, WA. Poster presentation.

[19] **Mallinson DC**, Ehrental DB. Classification of Medicaid coverage on birth records in Wisconsin, 2011-2012. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting (2017). Seattle, WA. Poster presentation.

#### INVITED TALKS

“How to be a good peer reviewer.” Health Disparities Research Scholars Seminars. Department of Population Health Sciences, University of Wisconsin-Madison; December 2024.

“Administrative Birth Cohort Analysis for Family Health Evaluation: Past, Current, and Future Research.” Department of Health Policy & Management, SUNY Downstate Health Sciences University; September 2024 (online).

“Administrative Birth Cohort Analysis for Family Health Evaluation: Past, Current, and Future Research.” Department of Family and Preventive Medicine, Rush University; July 2024.

“Administrative Data for Prenatal and Reproductive Health Evaluation: Past, Current, and Future Research.” School of Nursing, University of Wisconsin-Madison; March 2024.

“Administrative Data for Prenatal and Reproductive Health Evaluation: Past, Current, and Future Research.” Department of Human Development Nursing Science, University of Illinois-Chicago; February 2024.

“Racial and geographic variation of Prenatal Care Coordination receipt in Wisconsin, 2010-2019.” Graduate research seminars. Department of Population Health Sciences, University of Wisconsin-Madison; December 2023.

#### SERVICE

##### **Journal Referee**

*American Journal of Epidemiology, American Journal of Preventive Medicine, American Journal of Public Health, Annals of Family Medicine, Annals of Medicine, Applied Economics, Health Affairs, Health Services Research, Health Science Reports, International Journal of Women’s Health, JMIR Public Health and Surveillance, Journal of Women’s Health, Medical Care, Paediatric and Perinatal Epidemiology, PLOS ONE, Public Health Reports, Substance Use: Research and Treatment, Wisconsin Medical Journal.*

##### **Population Association of America**

Poster discussant, PAA Annual Meeting (2021)

##### **Society for Pediatric and Perinatal Epidemiologic Research**

Program Planning Committee Member, SPER Annual Meeting (2023)

Abstract reviewer, SPER Annual Meeting (2020, 2021)

##### **University of Wisconsin-Madison**

Social Media Chair, Population Health Sciences Student Organization (2019-2020)

Abstract reviewer, Annual Student Poster Presentation Day, Department of Population Health Sciences (March 2020)

Panelist, Prospective Student Welcome Day Discussion Panel, Department of Population Health Sciences (March 2020)

Organizer, Qualifying Exam Preparation Committee, Department of Population Health Sciences (May 2020)

**Wisconsin Medical Journal**

Editorial Fellowship (2023-2024)

Special issue advisory board member, maternal and child health special issue (title TBD) (2024)

Special issue advisory board member, “Lessons Learned from the Pandemic” (2023)

TRAINEESHIPS

Primary Care Research Fellowship, September 2022-Present  
Department of Family Medicine & Community Health  
University of Wisconsin-Madison School of Medicine and Public Health

NICHD Predoctoral Training Program, September 2019-August 2021  
Center for Demography and Ecology  
University of Wisconsin-Madison

IRP Graduate Research Fellow, September 2018-August 2021  
Institute for Research on Poverty  
University of Wisconsin-Madison

RESEARCH  
POSITIONS

Project Assistant to Professor Deborah Ehrental, 2016-2019  
Department of Obstetrics and Gynecology  
University of Wisconsin-Madison School of Medicine and Public Health

Research Assistant to Professor Elissa Ozanne, 2015-2016  
Dartmouth Institute for Health Policy and Clinical Practice  
Dartmouth College Geisel School of Medicine

TEACHING

Teaching Assistant to Professor Marguerite Burns and Professor Rebecca Myerson, Spring 2021  
PHS 796: Introduction to Health Services Research  
Department of Population Health Sciences  
University of Wisconsin-Madison School of Medicine and Public Health

AWARDS

**William E. Scheckler Award (2024)**  
Department of Family Medicine & Community Health  
University of Wisconsin-Madison School of Medicine and Public Health  
*For an outstanding research publication as a postdoctoral trainee*

**Finalist, Tyroler Prize Paper Award (2022)**  
Society for Epidemiologic Research  
*For the best epidemiology paper written during doctoral training*

**IRP Graduate Research Fellow Conference Support (2019-2021)**  
Institute for Research on Poverty  
University of Wisconsin-Madison  
*Funding to present research at an academic conference  
(\$700 in 2019, \$200 in 2020, \$100 in 2021)*

**Rankin/Skatrud Conference Award (2017)**  
Department of Population Health Sciences  
University of Wisconsin-Madison School of Medicine and Public Health  
*\$1,000 fund to present research at an academic conference*

**Outstanding New Student Award (2016)**

Department of Population Health Sciences  
University of Wisconsin-Madison School of Medicine and Public Health  
*\$2,000 supplemental scholarship to support graduate studies*

**James R. Turner Prize in Women's, Gender, and Sexuality Studies (2013)**

Department of Women's, Gender, and Sexuality Studies

College of Wooster

*For the most distinguished senior thesis related to women's and gender studies across the College*

**Anders Segerdahl Memorial Scholarship (2011-2013)**

Everett Smith Group, Ltd.

*For exceptional collegiate academic performance*

PROFESSIONAL  
MEMBERSHIPS

AcademyHealth

Population Association of America

Society for Epidemiologic Research

Society for Pediatric and Perinatal Epidemiologic Research

SKILLS

Statistical programming with Stata and SAS software.  $\text{\LaTeX}$ . Medicaid claims data management.  
Lean Six Sigma Green Belt certification (2015).