

## CONTACT

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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

**Current**

Postdoctoral Fellow, beginning August 25, 2021  
Demographic Consequences of Zika and Covid Project  
Population Research Center  
University of Texas-Austin

**Previous**

NICHD Predoctoral Trainee, 2019-Present  
Center for Demography and Ecology  
University of Wisconsin-Madison  
*Funded through NICHD Training Grant T32 HD007014-42*  
*Eunice Kennedy Shriver National Institute of Child Health and Human Development*  
*National Institutes of Health*

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

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

## RESEARCH

**Areas**

Substantive: Infant health and development. Maternal and child health epidemiology. Prenatal health care surveillance and evaluation.

Methodological: Graphical causal modeling. Sibling comparison designs. Spillover effects.

### Peer-Reviewed Publications

- [1] 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*. <https://doi.org/10.1111/ppe.12765> [Online ahead of print]
- [2] 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>
- [3] **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>
- [4] **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>
- [5] **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>
- [6] **Mallinson DC**, Ehrental 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>
- [7] 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>
- [8] Larson A, Berger LM, **Mallinson DC**, Grodsky E, Ehrental 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**, Elwert F. Estimating sibling spillover effects with unobserved confounding using gain-scores. Preprint: <https://arxiv.org/abs/2102.11150>
- [2] **Mallinson DC**. Assessing outcome-to-outcome interference in sibling fixed effects models. Preprint: <https://arxiv.org/abs/2109.13399>
- [3] Rubenstein E, Ehrental DB, Nobles J, **Mallinson DC**, Bishop L, Jenkins M, Kuo H, Durkin M. Fertility rates in women with intellectual and developmental disabilities in Wisconsin Medicaid.

### Works in Progress

- [1] **Mallinson DC**, Ehrental DB, Elwert F. Gestational age and spillover effects on older siblings' literacy skills in kindergarten.
- [2] **Mallinson DC**, Ehrental DB, Elwert F. Prenatal Care Coordination and preventive care uptake in the family: sibling spillovers beyond the mother-infant dyad.

## Letters and Opinions

- [1] **Mallinson DC** (2021). The opportunities of change score analyses. *International Journal of Epidemiology*. <https://doi.org/10.1093/ije/dyab201> [Online ahead of print]
- [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, Ehrental 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**, 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.
- [2] 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.
- [3] **Mallinson DC**, Elwert F, Ehrental DB. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting (2021), virtual conference. Oral presentation.
- [4] **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.
- [5] **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]
- [6] **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.
- [7] **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.
- [8] Shrider EA, **Mallinson DC**. Evaluating rural-urban typologies for use in healthcare research. Population Association of America Annual Meeting (2019), Austin, TX. Poster presentation.
- [9] 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

[10] 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.

[11] 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.

[12] **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.

[13] **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.

## SERVICE

**Journal Referee**

*American Journal of Public Health, Health Affairs, Health Services Research, Paediatric and Perinatal Epidemiology.*

**Population Association of America**

Poster discussant, PAA Annual Meeting (2021)

**Society for Pediatric and Perinatal Epidemiologic Research**

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)

## TRAINEESHIPS

**Center for Demography and Ecology, University of Wisconsin-Madison**

CDE Predoctoral Training Program (2019-Present)

**Institute for Research on Poverty, University of Wisconsin-Madison**

IRP Graduate Research Fellow (2018-Present)

## AWARDS

**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*MEMBERSHIPS &  
AFFILIATIONS

Center for Demography and Ecology, University of Wisconsin-Madison

Center for Demography of Health and Aging, University of Wisconsin-Madison

Institute for Research on Poverty, University of Wisconsin-Madison

Population Association of America

Society for Epidemiologic Research

Society for Pediatric and Perinatal Epidemiologic Research

## SKILLS

Statistical programming with Stata and SAS software. L<sup>A</sup>T<sub>E</sub>X. Medicaid claims data management.

Lean Six Sigma Green Belt certification (2015).