Colleen L. MacCallum-Bridges, PhD
Research Assistant Professor
Department of Pediatrics, Susan B. Meister Child Health Evaluation and Research Center, University of Michigan
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Education and Training

Education

08/2009-05/2012	BA, Statistics, Grand Valley State University, Allendale, MI, USA
08/2012 – 05/2014	MS, Biostatistics, Grand Valley State University, Allendale, MI, USA
08/2017 – 05/2022	PhD, Epidemiology, Michigan State University, East Lansing, MI, USA

Postdoctoral Training

07/2022-06/2023	Postdoctoral Fellow, Department of Epidemiology, University of Michigan, Ann Arbor, MI, USA

Additional Education

09/2020-06/2022	Predoctoral Fellow, Department of Epidemiology & Biostatistics, Michigan State University, East Lansing, MI, USA

Work Experience

Academic Appointments

08/2016-07/2017	Teaching Assistant, Department of Statistics & Probability, Michigan State University, East Lansing, MI, USA
09/2026-present	Research Assistant Professor, Department of Pediatrics, University of Michigan, Ann Arbor, MI, USA

Research Positions

06/2014-07/2016	Biostatistician, Western Michigan University Homer Stryker MD School of Medicine, Kalamazoo, MI, USA
08/2017-08/2020	Research Assistant, Department of Epidemiology & Biostatistics, Michigan State University, East Lansing, MI, USA
07/2023-09/2025	Statistician Senior, Department of Obstetrics & Gynecology, University of Michigan, Ann Arbor, MI, USA
10/2025-08/2026	Statistician Lead, Department of Obstetrics & Gynecology, University of Michigan, Ann Arbor, MI, USA

Research Interests

My research focuses on identifying macro-level drivers of maternal-child health and health equity. The goal of my research is to produce evidence that can inform public policy, improve maternal-child and family health, and promote health equity. Focus areas include:

- Trends and disparities in maternal and child health
- Macro-level drivers (e.g., changes to Medicaid) of maternal and child health
- Quasi-experimental methods for policy evaluation

Grants

Past Grants

F31 HD103404: The Impact of the Affordable Care Act on Unintended Pregnancy: Combining epidemiological and econometric methods
PI
NICHD-DHHS-US
09/2020-06/2022
$73,237

Journal/Abstract Review

Journal/Abstract Reviews

Journal Reviewer

2026 – present	Journal of Developmental & Behavioral Pediatrics (ad hoc)
2026 – present	Academic Pediatrics (ad hoc)
2025 – present	American Journal of Preventive Medicine (ad hoc)
2025 – present	Annals of Epidemiology (ad hoc)
2025 – present	BMC Health Services Research (ad hoc)
2025 – present	Pediatrics (ad hoc)
2024 – present	Population Health Management (ad hoc)
2023 – present	SSM – Population Health (ad hoc)
2023 – present	Women's Health Issues (ad hoc)
2022 – present	Fertility & Sterility (ad hoc)

Abstract Reviewer

2025 – present AcademyHealth (ad hoc)

Teaching

Mentorship

Undergraduate Student

08/2018-05/2020	Piper Brase, BA, Michigan State University, Department of Epidemiology & Biostatistics. This mentorship yielded a peer-reviewed publication in a highly respected journal, *Paediatric and Perinatal Epidemiology*, on which Piper was first author.
06/2024-08/2024	Malee Davis, BA, University of Michigan, Undergraduate Research Opportunity Program (UROP). Under my mentorship, Malee completed a UROP summer fellowship, which culminated with a poster presentation of the literature review she conducted focusing on maternal and obstetric health among Indigenous people in the US.

Research Staff

10/2025-08/2026	Genesis Pena, University of Michigan, Department of Obstetrics & Gynecology. Genesis provides analytic support to multiple PIs within the Department, resulting in various scholarly products such as manuscripts and presentations.

Teaching Activity

Regional

11/2023	"My F31 Experience: Lessons Learned," I guest lectured for EPI 935 (Scientific Proposal Writing), sharing strategies used in writing a successful F31 proposal. Michigan State University

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Institutional

09/2014-08/2016	"Professions of Medicine," I guest lectured for multiple courses (PROF 7310, PROF 7312, PROF 7320), providing instruction regarding introductory statistical concepts and applications in medicine and public health. Western Michigan University Homer Stryker MD School of Medicine
08/2016-12/2016	STT 200: Statistical Methods, as a teaching assistant I provided tutoring to students and assisted instructor by leading recitation sessions and grading student assignments. Michigan State University
08/2016-12/2016	STT 351: Probability and Statistics for Engineering, as a teaching assistant I provided tutoring to students and assisted instructor in grading student assignments. Michigan State University
01/2017-05/2017	STT 201: Statistical Methods, as a teaching assistant I provided tutoring to students and assisted instructor by leading recitation sessions and grading student assignments. Michigan State University
06/2017-07/2017	STT 200: Statistical Methods, I provided didactic instruction for this introductory statistics course, Michigan State University
11/2020	"Health and Social Policy," I guest lectured for EPI 977 (Social Epidemiology), providing an overview of conceptual frameworks and methodologies used in epidemiologic health policy research. Michigan State University
05/2025	"Lessons from publicly available data," I led a seminar for the Program on Women's Healthcare Effectiveness Research (PWHER) group in which I provided an overview of publicly available health survey data, University of Michigan

Memberships in Professional Societies

2017 – 2024	Member, Michigan Public Health Association
2019 – present	Member, Society for Epidemiologic Research
2019 – 2023	Member, Interdisciplinary Association for Population Health Science
2021 – present	Member, Society for Pediatric and Perinatal Epidemiologic Research
2021 – present	Member, American Public Health Association

Committee Service

Regional

2023–2024	Primary Care Research Collaborative Search Committee (Research Assistant II), Michigan State University, Member

Volunteer Service

Volunteer

2007-2020	Betty Kearns Little Black Dress Event. This was an annual event held in memorial of my maternal grandmother who died of breast cancer. Proceeds provided direct cash assistance to local families affected by cancer diagnoses. I contributed to event preparation by recruiting and organizing donor contributions, setting the event space, and leading the announcement of event raffle winners.

2021 Ingham County Health Department. With a group of fellow epidemiologists from Michigan State University, I gathered and summarized relevant literature for an amicus brief filed during a court case in which parents of local students sought to block a county-wide mask mandate in educational settings during the COVID-19 pandemic.

Scholarly Activities

Publications/Scholarship

Peer-Reviewed

Journal Articles

1. Klepser ME, Altom A, **MacCallum C**, Nordquist E, Klepser DG: Description of the methods for describing and assessing the appropriateness of antibiotic prescribing and adherence to published treatment guidelines in an academic medical clinic. *Inov Pharm.* 7(1): 1-8, 2016.
2. Beam CA, **MacCallum C**, Herold KC, Wherrett DK, Palmer J, Ludvigsson J: GAD vaccine reduces insulin loss in recently diagnosed type 1 diabetes: findings from a Bayesian meta-analysis. *Diabetologia*. 60(1): 43-49, 01/2017. PM27704166
3. Finlayson G, Chavarria M, Chang S, Gardner T, Grande A, **MacCallum C**, deJong JL, Quesnelle K: Gabapentin in mixed drug fatalities: does this frequent analyte deserve more attention? *Acad Forensic Pathol*. 7(1): 99-111, 03/2017. PM31239962
4. Malik S, Kothari C, **MacCallum C**, Liepman M, Tareen S, Rhodes KV: Emergency department use in the perinatal period: an opportunity for early intervention. *Ann Emerg Med.* 70(6): 835-839, 12/2017. PM28811121
5. Margerison CE, **MacCallum CL**, Chen J, Zamani-Hank Y, Kaestner R: Impacts of Medicaid expansion on health among women of reproductive age. *Am J Prev Med*. 58(1): 1-11, 01/2020. PM31761513
6. **MacCallum-Bridges CL**, Margerison CE: The Affordable Care Act contraception mandate & unintended pregnancy in women of reproductive age: an analysis of the National Survey of Family Growth, 2008–2010 v. 2013–2015. *Contraception*. 101(1): 34-39, 10/2019. PM31655071
7. Margerison CE, Kaestner R, Chen J, **MacCallum-Bridges C**. Impacts of Medicaid expansion before conception on prepregnancy health, pregnancy health, and outcomes. *American Journal of Epidemiology*. 190(8): 1488-1498, 01/2021. PM33423053
8. Brase P, **MacCallum-Bridges C**, Margerison C: Racial inequity in preterm delivery among college-educated women: the role of racism. *Paediatric and Perinatal Epidemiology*. 35(4): 482-490, 07/2021. PM33956351
9. Margerison CE, Bruckner TA, **MacCallum-Bridges C**, Catalano R, Casey JA, Gemmill A: Exposure to the early COVID-19 pandemic and early, moderate, and overall preterm births in the US: a conception cohort approach. *Paediatric and Perinatal Epidemiology*. 37(2): 104-112, 02/2023. PM35830303 ***One of PPE's top 10 most cited articles in 2023***
10. **MacCallum-Bridges CL**, Hirschtick JL, Allgood KL, Ryu S, Orellana R, Fleischer NL: Population-based estimates of a rural-urban disparity in prevalence of long COVID among Michigan adults with PCR-confirmed COVID-19, 2020-2022. *The Journal of Rural Health*. 40(2): 303-313, 03/2024. PM37974389
11. Daw JR, **MacCallum-Bridges CL**, Kozhimannil KB, Admon LK: Continuous Medicaid eligibility during COVID-19 and postpartum health insurance, health care, and outcomes. *JAMA Health Forum.* 5(3): e240004, 03/2024. PM38457131
12. **MacCallum-Bridges C**, Hirschtick JL, Patel A, Orellana RC, Elliott MR, Fleischer NL: The impact of COVID-19 vaccination prior to SARS-CoV-2 infection on prevalence of long COVID among a population-based probability sample of Michiganders, 2020-2022. *Annals of Epidemiology*. 92: 17-24, 04/2024. PM38382771
13. **MacCallum-Bridges CL**, Admon KA, Daw JR: Childcare disruptions and maternal health during the COVID-19 pandemic. *Health Affairs Scholar*. 2(5): qxae061, 05/2024. PM38774574

14. **MacCallum-Bridges CL**, Kaestner R, Luo Z, Holzman C, Bruckner TA, Margerison CE: The Affordable Care Act dependent coverage provision and unintended pregnancy among young adults. *Journal of Women's Health*. 33(12): 1699-1707, 12/2024. PM39291314
15. Admon LK, **MacCallum-Bridges CL**, Daw JR: Trends in short interpregnancy interval births in the United States, 2016–2022. *Obstetrics & Gynecology.* 145(1): 82-90, 01/2025. PM39509707
16. Daw JR, **MacCallum-Bridges CL**, Admon AK: Trends and disparities in self-reported maternal mental and physical Health. *JAMA Intern Med*. 185(7): 857-865, 07/2025. PM40423961 ***Received coverage in major national news, TV, and radio outlets including the New York Times, PBS, ABC News, NPR, Fox News, and others****
17. **MacCallum-Bridges CL**, Admon AK, Patrick SW, Kozhimannil KB, Daw JR: Continuous Medicaid eligibility, child insurance, and health care use. *Pediatrics.* 157(1): e2025072529, 01/2026. PM41422820
18. **MacCallum-Bridges CL**, Daw JR, Admon LK. Recovery of pregnancy-related death ratios after the coronavirus disease 2019 (COVID-19) pandemic: disparities by age, race and ethnicity, and geography. *Obstet Gynecol*. Published online ahead of print 04/2026. PM41926774

Review

1. **MacCallum-Bridges CL,** Gartner DR, Hettinger K, Zamani-Hank Y, Margerison CE: Did the Affordable Care Act promote racial equity in health among women of reproductive age?: a scoping review. *Population Health Management.* 27(3): 206-215, 06/2024. PM38574270

Author Reply

1. Margerison CE, Kaestner R, Chen J, **MacCallum-Bridges C**: Margerison et al. Respond to "Medicaid policy and reproductive autonomy". *American Journal of Epidemiology*.190(8): 1488-1498, 01/2021. PM33423058
2. **MacCallum-Bridges CL**, Admon LK, Daw JR: National Survey of Children's Health is representative of children, not Mothers or other caregivers—reply. *JAMA Intern Med*. 185(11): 1399-1400, 11/2025. PM40982247

Submitted Publications

Articles

1. **MacCallum-Bridges CL**, Admon LK, Daw JR: Continuous Medicaid eligibility during COVID-19 and fertility among low-income women. *American Journal of Public Health*. Submitted.

Non-Peer Reviewed Publications

Articles

1. **MacCallum-Bridges C**, Whittington B, Patel A, Elliott MR, Fleischer NL: Data Report 7: Rural-urban disparities in the experiences of Michigan adults with COVID-19 onset prior to June 1, 2022. Ann Arbor, MI. June 2023.

Interview

1. Lora M: Mental health is declining for parents. There are places to get help in Baltimore (The Baltimore Banner: https://www.thebanner.com/education/early-childhood/maternal-mental-health-decline-baltimore-KYBPCQ7MF5CARNPOOTZ7PJMGWE/), 08/2025

Policy/Legislation

1. Margerison C, **MacCallum C**, Zamani-Hank Y: 2019 Impacts of the 2014 Medicaid expansion on preconception health among women of reproductive age. *Policy Brief for Michigan Applied Public Policy Research Informing the Debate Series*. http://ippsr.msu.edu/sites/default/files/MAPPR/C%20Margerison%20Impacts%20of%20the%202014%20Medicaid%20Expansion.pdf

Abstract/Posters

1. **MacCallum CL** & Margerison CE: The Affordable Care Act Contraception Mandate & Risk of Unintended Pregnancy in Women of Reproductive Age: An Analysis of the National Survey of Family Growth 2008-2015, Poster, Abstract, 18th Annual Michigan Public Health Association Epidemiology Section Conference, East Lansing, MI, 2019.
2. **MacCallum-Bridges CL** & Margerison CE: The Affordable Care Act Contraception Mandate & Risk of Unintended Pregnancy in Women of Reproductive Age: An Analysis of the National Survey of Family Growth 2008-2010 v. 2013-2015. Oral Presentation, Abstract, Interdisciplinary Association for Population Health Sciences Annual Conference, Seattle, WA, 2019.
3. **MacCallum-Bridges CL**, Kaestner R, Luo Z, Holzman C, Bruckner TA, Margerison CE: The Impact of the Affordable Care Act on Unintended Pregnancy: Combining epidemiological and econometric methods. Oral Presentation, Abstract, Society for Epidemiologic Research Student Dissertation Workshop, held remotely due to COVID-19, 2020.
4. **MacCallum-Bridges CL**, Kaestner R, Luo Z, Holzman C, Bruckner TA, Margerison CE: The dynamic impact of the Affordable Care Act on unintended pregnancy. Poster, Abstract, American Public Health Association Annual Conference, Denver, CO (virtual presentation), 2021.
5. **MacCallum-Bridges CL**, Kaestner R, Luo Z, Holzman C, Bruckner TA, Margerison CE: The Affordable Care Act dependent coverage provision & unintended pregnancy. Poster, Abstract, Society for Pediatric and Perinatal Epidemiologic Research Annual Conference, Chicago, IL, 2022.
6. **MacCallum-Bridges CL**, Kaestner R, Luo Z, Holzman C, Bruckner TA, Margerison CE: The Affordable Care Act dependent coverage provision & unintended pregnancy. Oral Presentation, Abstract, Society for Epidemiologic Research Annual Conference, Chicago, IL, 2022.
7. **MacCallum-Bridges C**, Hirschtick JL, Allgood KL, Ryu S, Orellana R, Fleischer NL: Population-based estimates of a rural-urban disparity in prevalence of long COVID among Michigan adults with PCR-confirmed COVID-19, 2020-2022. Poster, Abstract, Society for Epidemiologic Research Annual Conference, Portland, OR, 2023.