

Rachael D. Weaver

University of Georgia
Department of Sociology
419 Baldwin Hall
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EDUCATION

In progress Ph.D. Sociology, University of Georgia, Athens, GA

2023 B.S. Psychology, University of Georgia, Athens, GA
 Area of Emphasis: Neuroscience
 Minor: Criminal Justice Studies
 Certificate in Legal Disparities and Equity
 Magna Cum Laude

AREAS OF INTEREST

Medical Sociology; Family, Life Course, and Aging; Quantitative Methods

PUBLICATIONS

Peer-Reviewed Publications

Lei, Man-Kit, **Rachael Weaver** (2025). "The Buffering Effect of Social Support on the Link between Biologically Embedded Childhood Maltreatment and Adult Cardiovascular Disease." *Social Science and Medicine*, 384, 118530.
<https://doi.org/10.1016/j.socscimed.2025.118530>

Simons, Ronald L., Mei Ling Ong, Man-Kit Lei, Steven R.H. Beach, Yu-Wen Lu, **Rachael Weaver**, and Michelle M. Mielke (2025). "Diabetes and Hypertension at Midlife Predict Increases in Biomarkers of Dementia among Black Americans." *Journal of Racial and Ethnic Health Disparities*. <https://doi.org/10.1007/s40615-025-02310-2>

- Interviewed for coverage in UGA Today, WSB Atlanta

Rigg, Khary K., **Rachael Weaver**, and Ethan Kusiak (2023). "Attitudes toward Methadone Treatment among Black/African Americans: Implications for Engagement and Retention." *American Journal of Orthopsychiatry*, 93(6), 476-485.
<https://doi.org/10.1037/ort0000692>.

Manuscripts Under Review

Lei, Man-Kit, **Rachael Weaver**, Steven R.H. Beach, Ronald L. Simons, and Michelle M. Mielke. "Racial Discrimination Accelerates Age-Related Increases in Serum Neurofilament Light Chain among Middle-Aged African American Women."

Weaver, Rachael, Man-Kit Lei. “Comorbid Diabetes and Hypertension in Early Adulthood Predict Neurodegeneration in Midlife: Racial Variation in a Blood-Based Biomarker of Dementia Risk.”

Manuscripts in Preparation

Weaver, Rachael. “Aging in the Shadow of the Great Recession: Pathways Linking Cumulative SES Risk Across Midlife to Accelerated Epigenetic Aging among Black-American Women.”

Weaver, Rachael, Katelyn Austin, Man-Kit Lei. “Mastery as a Double-Edged Sword: The Limits of Control Under Structural Disadvantage in the Epigenetic Aging of Black-American Women.”

Books in Preparation

Lei, Man-Kit, **Rachael Weaver**, Mei Ling Ong. *Understanding the Social Determinants of Health*. Edward Elgar Publishing.

PRESENTATIONS

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| 2025 | Weaver, Rachael . “Interpreting and Analyzing Quantitative Data.” Invited Guest Lecture for Undergraduate Research Methods in Sociology Course, University of Georgia, Athens, GA (October). |
| | Weaver, Rachael . “Racial/Ethnic Health Disparities in Aging: Understanding Social Determinants, Key Theoretical Frameworks, and Innovative Research Techniques.” Invited Guest Lecture for Undergraduate Introductory Sociology Course, University of Georgia, Athens, GA (April). |
| 2023 | Weaver, Rachael . “Media Portrayals and Research: Mitigating Aggressive Intentions through Stimulation of the Dorsolateral Prefrontal Cortex.” Cognitive Neuroscience Course, University of Georgia, Athens, GA (December). |
| 2022 | Weaver, Rachael . “Attitudes toward Methadone Maintenance Treatment among Black/African Americans.” Symposium on Substance Use Research, Rural Drug Addiction Resource Center, University of Nebraska, Remote (November). |
| | Weaver, Rachael . “Attitudes toward Methadone Maintenance Treatment among Black/African Americans.” Summer Research Institute Symposium, Louis de la Parte Florida Mental Health Institute, University of South Florida, Tampa, FL (August). |

RESEARCH EXPERIENCE

- 2024-Present Research Assistant
Families, Communities, and Health Workshop, Department of Sociology, University of Georgia
PI: Dr. Ron Simons, Dr. Man-Kit Lei
- 2022 – 2024 Research Assistant
National Cannabis Legalization Research Study (NCLRS) Lab, Owens Institute for Behavioral Research, University of Georgia
PI: Dr. Lydia Aletraris
- 2022 Research Assistant
Summer Research Institute, Louis de la Parte Florida Mental Health Institute, University of South Florida
PI: Dr. Khary Rigg
- 2020 – 2021 Research Mentee
Google Computer Science Research Mentorship Program, Kennesaw State University

TEACHING EXPERIENCE

- 2024-Present *Teaching Assistant, Department of Sociology, University of Georgia*
Research Methods in Sociology
Introductory Sociology (online)
The Science of Happiness

PROFESSIONAL SERVICE

- Ad hoc Journal Reviewing*
Public Health
Journal of Gerontology: Biological Sciences
- Department of Sociology, University of Georgia*
2025-Present UGA-CARMA (Consortium for the Advancement of Research Methods & Analysis)
PhD Representative
- 2025 Graduate Student Recruitment Committee Member/Host Coordinator
- 2024-Present Sociology Graduate Student Society Member
- University of Georgia*

2022 – 2023 American Society of Law, Medicine, & Ethics Social Media Manager/Co-Vice President
Students for Psychedelic Advocacy, Research, & Connection Member

2021 – 2022 Doctors Without Borders/Friends of MSF Member

Kennesaw State University

2019 – 2020 Honors College Member

PROFESSIONAL MEMBERSHIP

American Sociological Association

Sections: Medical Sociology; Aging and the Life Course; Inequality, Poverty, and Mobility

TRAINING

2024 Elevate & Excite: Designing Meaningful Learning Experiences, Center for Teaching and Learning, University of Georgia

2022 Research Ethics & IRB Practices, Summer Research Institute, University of South Florida
Social & Behavioral Research, CITI Program

NON-ACADEMIC EXPERIENCE

2021-Present Patient Care Assistant, Acumen Fiscal Agency

2020 Companion, Papa: Companion Care for Older Adults and Families

SERVICE

2021 – 2023 Crisis Counselor, Crisis Text Line