David S. Curtis

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[david.curtis@fcs.utah.edu](mailto:david.curtis@fcs.utah.edu), (801) 585-0837

**EDUCATION**

|  |  |
| --- | --- |
| Auburn University  Ph.D. in Human Development and Family Studies  Emphasis: health disparities; social policy; quantitative methodology | 2018 |
| University of Maryland, College Park  M.S. in Couple and Family Therapy  Emphasis: poverty; trauma | 2013 |
| Brigham Young University  B.A. in Psychology | 2010 |
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**POSITIONS AND EMPLOYMENT**

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| --- | --- |
| Assistant Professor, Department of Family and Consumer Studies  Core Faculty, Master of Public Policy Program  Associated Faculty, Health, Society & Policy Program  College of Behavioral and Social Sciences, University of Utah | 2018 - current |
| Coordinator, Health Equity Research Laboratory  College of Human Sciences, Auburn University | 2013 - 2018 |
| Research Intern, Social and Behavioral Research Branch, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD | 5/2013 - 8/2013 |
| Graduate Research and Teaching Assistant  School of Public Health, University of Maryland, College Park, MD | 2011 - 2013 |

**RESEARCH GRANTS**

Utah Department of Workforce Services (Curtis) 02/01/2023-12/31/2027

$1,000,000

Title: RESEA Impact Evaluation

Description: This contract includes a partnership with Utah Department of Workforce Services to develop and conduct a randomized controlled trial of the RESEA program (Reemployment Services and Eligibility Assessment) to identify its impact on duration of unemployment insurance benefits and employment.

Role: Lead Evaluator

NIH-NIA R01 AG080440 (Curtis) 01/01/2023-12/31/2027

$ 2,697,615 (Total Costs)

National Institute on Aging

Title: Area Socioeconomic Conditions and Individual-Level Health and Mortality:

Exploring Place-Based Mechanisms and Individual Psychosocial Processes

Description: This project uses two longitudinal samples with twenty years of follow-up to understand how structural, social, built, and environmental features prospectively affect individual-level substance misuse, mental health, cardiometabolic health, and mortality.

Role: Principal Investigator

NIH-NIMHD R21 MD014281 (Curtis) 05/05/2020-01/31/2023

$437,147 (Total Costs)

National Institute on Minority Health and Health Disparities

Title: Racial Social Structure and Unequal Risk of Adverse Birth Outcomes among Black Infants

Description: This research seeks to establish measures of structural racism and estimate associations with adverse birth outcomes among Black mothers and Black-White disparities.

Role: Principal Investigator

NIH-NIDDK R01 DK118405 (Kowaleski-Jones) 04/01/2020-03/31/2024

National Institute of Diabetes and Digestive and Kidney Diseases

Title: Family, Neighborhoods, and Intergenerational Transmission of Type II Diabetes Risk

Role: Co-Investigator

Pilot Research Award (Curtis) 05/01/2019-04/30/2020

$10,000

Consortium for Families and Health Research (C-FAHR)

Title: Neighborhood recreational amenities and weight-related health outcomes: Understanding family genetic, socioeconomic, and prenatal vulnerability

Description: Understand how neighborhood recreational amenities vary by economic contexts and are associated with weight-related health outcomes, including family vulnerability factors.

Role: Principal Investigator

NEXUS Expeditionary Grant (Curtis) 06/01/2019-12/31/2019

$2,000

Interdisciplinary Exchange for Utah Science (NEXUS)

Title: Leveraging the Zoo, Arts, and Parks Summer Passport Program to Promote Physical Activity and Human Development

Description: Evaluate an existing arts and recreation child-focused program in Salt Lake County, in relation to family perspectives and cultural and spatial barriers.

Role: Principal Investigator

**PENDING/UNFUNDED FEDERAL RESEARCH GRANTS**

NIH-NIMHD K01 MD016972 (Curtis) 09/01/2021-08/31/2026

National Institute on Minority Health and Health Disparities

Title: Appealing Recreational Spaces and Adolescent Obesity Risk: An Interdisciplinary, Large-Scale Data Approach for Research on Community Interventions

Description: This award will support the development of Dr. Curtis as an independent research scientist in the area of community health and population science, and a research project examining appealing recreational spaces as predictors of adolescent obesity risk.

Role: Principal Investigator

**PEER REVIEWED PUBLICATIONS**

Google Scholar Citations (03/2023): 771, h-index = 15, i10-index = 15

<https://scholar.google.com/citations?user=vdQdOrkAAAAJ&hl=en>

\*Denotes student author

**2023**

Zick, C. D., Curtis, D. S., Meeks, H., Smith, K. R., Brown, B. B., Kole, K., & Kowaleski-Jones, L. (2023). The changing food environment and neighborhood prevalence of type 2 diabetes. *SSM-Population Health*, 101338. <https://doi.org/10.1016/j.ssmph.2023.101338>. IF=4.09

**2022**

Curtis, D. S., Smith, K. R., Chae, D. H., \*Washburn, T., Lee, H., Kim, J., & Kramer, M. R. (2022). Highly public anti-Black violence and preterm birth odds for Black and White mothers. *SSM-Population Health*, 101112. <https://doi.org/10.1016/j.ssmph.2022.101112>. IF=4.09

\*Washburn, T., Diener, M. L., Curtis, D. S., & Wright, C. A. (2022). Modern slavery and labor exploitation during the COVID-19 pandemic: A conceptual model. *Global Health Action, 15,* 2074784*.* <https://doi.org/10.1080/16549716.2022.2074784>. IF=2.6.

Curtis, D. S., Rigolon, A., Schmalz, D. L., & Brown, B. B. (2022). Policy and environmental predictors of park visits during the first months of the COVID-19 pandemic: Getting out while staying in. *Environment & Behavior, 54,* 487-515*.* <https://doi.org/10.1177/00139165211031199>. IF=6.22

**2021**

Curtis, D. S., Fuller-Rowell, T. E., Carlson, D. L., Wen, M., & Kramer, M. R. (2021). Does a rising median income lift all birth weights? County median income changes and low birth weight rates among births to Black and White mothers. *The Milbank Quarterly, 100,* 38-77*.* <https://doi.org/10.1111/1468-0009.12532>.IF=4.20

Chae, D. H., Yip, T., Martz, C. D., Chung, K, Richeson, J. A., Hajat, A., Curtis, D. S., Rogers, L. O., & LaVeist, T. A. (2021). Vicarious racism and vigilance during the COVID-19 Pandemic: Mental health implications among Asian and Black Americans. *Public Health Reports*, *136*, 508–517. <https://doi.org/10.1177/00333549211018675>. IF=1.76

Curtis, D.S., \*Washburn, T., Lee, H., Smith, K.R., Kim, J., Martz, C. D., Kramer, M. R., & Chae, D. H. (2021). Racial violence and the mental health of Black Americans. *Proceedings of the National Academy of Sciences of the United States of America, 118, e2019624118.* <https://www.pnas.org/content/118/17/e2019624118> IF=9.41

Covered by international and local media (e.g., BBC Science in Action found [here](https://www.bbc.co.uk/sounds/play/w3ct1l3j), CBS [here](https://denver.cbslocal.com/2021/04/22/black-americans-police-killings-mental-health/), New Scientist [here](https://www.newscientist.com/article/2275006-reporting-of-us-police-killings-harms-black-peoples-mental-health/), Mashable [here](https://mashable.com/article/police-killings-black-mental-health/), WebMD [here](https://www.webmd.com/mental-health/news/20210420/police-brutality-cases-harm-black-americans-mental-health?src=rss_public), and KSL [here](https://www.ksl.com/article/50152124/anti-black-violence-increases-poor-mental-health-days-for-black-americans-study-finds), among others)

**2020**

Curtis, D. S., Fuller-Rowell, T. E., Hinnant, J. B., Kaeppler, A. K., & Doan, S. N. (2020). Resting high-frequency heart rate variability moderates the association between early life adversity and body adiposity.  *Journal of Health Psychology*, *25*, 953-963*.* <https://doi.org/10.1177/1359105317739964>. IF=2.66

**2019**

Curtis, D. S., Fuller-Rowell, T. E., Vilches, S., Vonasek, J., & Wells, N. M. (2019). Associations between local government expenditures and low birth weight incidence: Evidence from national birth records. *Preventive Medicine Reports*, *16*, 100985. <https://doi.org/10.1016/j.pmedr.2019.100985>. IF=2.81

Fuller-Rowell, T. E., Homandberg, L., Curtis, D. S., Williams, D., Tsenkova, V., & Ryff, C. D. (2019). Disparities in insulin resistance between black and white adults in the United States: The role of lifespan stress exposure. *Psychoneuroendocrinology, 107*, 1-8*.* <https://doi.org/10.1016/j.psyneuen.2019.04.020>. IF=4.73

**2018**

Fuller-Rowell, T. E., Curtis, D. S., Chae, D. H., & Ryff, C. D. (2018). Longitudinal health consequences of socioeconomic disadvantage: Examining perceived discrimination as a mediator. *Health Psychology*, 37(5), 491-500. <https://doi.org/10.1037/hea0000616>. IF=3.53

**2017**

Curtis, D. S., Fuller-Rowell, T. E., El-Sheikh, M., Carnethon, M. C., & Ryff, C. D. (2017). Habitual sleep as a contributor to racial differences in cardiometabolic risk. *Proceedings of the National Academy of Sciences of the United States of America, 114*, 8889-8894*.* <https://doi.org/10.1073/pnas.1618167114>. IF=10.03

Covered by national and local media (e.g., the Atlantic found [here](https://www.theatlantic.com/health/archive/2017/08/the-uneven-health-toll-of-sleep-deprivation/535653/) and AL.com [here](http://www.al.com/business/index.ssf/2017/08/auburn_study_black_americans_s.html))

Fuller-Rowell, T. E., Curtis, D. S., Klebanov, P. K., Brooks-Gunn, J., & Evans, G. W. (2017). Racial disparities in blood pressure trajectories of preterm children: The role of family and neighborhood socioeconomic status. American Journal of Epidemiology, epub ahead of print. <https://doi.org/10.1093/aje/kww198>*.* IF=4.32

Fuller-Rowell, T. E., Curtis, D. S., El-Sheikh, M., Ryff, C. D., & Zgierska, A. E. (2017). Racial discrimination mediates race differences in sleep problems during college: A longitudinal analysis. *Cultural Diversity and Ethnic Minority Psychology, 23*, 165-173. <https://doi.org/10.1037/cdp0000104>. IF=2.01

Curtis, D. S., Epstein, N. B., & Wheeler, B. (2017). Relationship satisfaction mediates the link between partner aggression and relationship dissolution: The importance of considering severity. *Journal of Interpersonal Violence, 32*, 1187-1208. <https://doi.org/10.1177/0886260515588524>. IF=2.44

**2016**

Fuller-Rowell, T. E., Curtis, D. S., Boylan, J., El-Sheikh, M., Chae, D., & Ryff, C. D. (2016). Racial disparities in sleep: The role of neighborhood disadvantage. *Sleep Medicine, 27*, 1-8. <https://doi.org/10.1016/j.sleep.2016.10.008>. IF=3.43

Bub, K., Robinson, L., & Curtis, D. S. (2016). Longitudinal associations between self-regulation and health across early and middle childhood. *Health Psychology*, *35,* 1235-1245. <https://doi.org/10.1037/hea0000401>.IF=3.81

Curtis, D. S., Fuller-Rowell, T. E., Doan, S. N., Zgierska, A. E., & Ryff, C. D. (2016). Racial and socioeconomic disparities in body mass index among college students: Understanding the role of early life adversity. *Journal of Behavioral Medicine, 39*, 866-875. <https://doi.org/10.1007/s10865-016-9756-4>. IF=2.94

**2015**

Fuller-Rowell, T. E., Curtis, D. S., Doan, S., & Coe, C. (2015). Racial disparities in the health benefits of educational attainment: A study of inflammatory trajectories among African American and white adults. *Psychosomatic Medicine, 77*, 33-40. <https://doi.org/10.1097/PSY.0000000000000128>. IF=4.09

Fuller-Rowell, T. E., Evans, G. W., Paul, E., & Curtis, D. S. (2014). The role of poverty and chaos in the development of task persistence among adolescents. *Journal of Research on Adolescence, 25*, 606-613. <https://doi.org/10.1111/jora.12157>. IF=2.48

**2014**

Epstein, N. B., Curtis, D. S., Edwards, E., Young, J. L., & Zheng, L. (2014). Therapy with families in China: Cultural factors influencing the therapeutic alliance and therapy goals. *Journal of Contemporary Family Therapy, 36*, 201-212*.* <https://doi.org/10.1007/s10591-014-9302-x>. IF=1.34

**BOOK CHAPTERS**

Fuller-Rowell, T. E., Curtis, D. S., & Duke, A. M. (2018). Disparities in health between black and white Americans: Current knowledge and directions for future research. In C. D. Ryff, & R. F. Krueger (Eds.), *Handbook of integrative health science*. New York, NY: Oxford University Press.

**INVITED AND PEER REVIEWED PROFESSIONAL PRESENTATIONS**

1. Curtis, D. S. (2022, September). Structural barriers to health care and preterm birth odds for Black women. Presentation at the annual meeting of the Interdisciplinary Association for Population Health Science, Minneapolis, MN.
2. Curtis, D. S. (2022, June). Integrating perspectives on social disparities and child development for long term impact in field of child life. Invited presentation for Intermountain Healthcare Child Life Specialists.
3. Curtis, D. S. (2021, May). Racial violence and the mental health of Black Americans. Virtual presentation at the Population Association of America Annual Meeting.
4. Curtis. D. S. (2021, April). Racial societal stressors and population-level health outcomes. Invited presentation for the Interdisciplinary Exchange for Utah Science Dialogue on Disparities Seminars.
5. Curtis, D. S. (2020, November). Access to quality parks and trails as a predictor of adolescent obesity: Moderation by family-based risks. Virtual presentation at the Consortium for Families and Health Research Symposium.
6. Curtis, D. S., Washburn, T., & Hayes, B. (2020, September). Neighborhood deprivation and adolescent obesity risk: The role of recreational spaces. Virtual presentation at the annual meeting of the Interdisciplinary Association for Population Health Science.
7. Curtis, D. S., & Izampuye, E. (2019, October). Structural measures of healthcare access as contributors to preterm birth risk for black mothers. Presentation at the annual meeting of the Interdisciplinary Association for Population Health Science, Seattle, WA.
8. Curtis, D. S., Fuller-Rowell, T. E., & Carlson, D. L. (2019, March). Changes in county income distributions and the black-white gap in low birth weight. Presentation at the biennial meeting of the Society for Research in Child Development, Baltimore, MD.
9. Curtis, D. S. (2018, November). Increasing access to public spaces and recreational services to promote population health: An open science approach. Presentation to the Behavioral Medicine Research Group at the University of Utah, Salt Lake City, UT.
10. Curtis, D. S. (2018, October). Increasing parks and recreation spending to reduce county incidence of low birth weight: Evidence from national birth records. Presentation at the meeting of the Society for Research in Child Development, Tempe, AZ.
11. Curtis, D. S., & Fuller-Rowell, T. E. (2018, April). Patient-centered medical home as a treatment for exposure to adverse childhood experiences. Presentation at the biennial meeting of the Society for Research on Adolescence, Minneapolis, MN.
12. Curtis, D. S. (2017, May). Racial disparities in cardiometabolic risk: Evidence from the Midlife in the United States (MIDUS) Study. Invited presentation at the meeting for MIDUS Study investigators, Madison, WI.
13. Curtis, D. S., & Fuller-Rowell, T. E., (2017, April). When is stress toxic? Moderators of the association between childhood stress and caregiver-rated health. Presentation at the meeting of the Society for Research in Child Development, Austin, TX.
14. Fuller-Rowell, T.E., & Curtis, D. S. (2017, April). Childhood adversity and urinary catecholamine concentrations among African Americans and European American adolescents. Presentation at the meeting of the Society for Research in Child Development, Austin, TX.
15. Curtis, D. S., Fuller-Rowell, T. E., El-Sheikh, M., Knutson, K. L., Kershaw, K. N., Carson, A. P., & Carnethon, M. R. (2017, March). Sleep as a mediator of racial disparities in cardiometabolic disease risk: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. Presentation at the meeting of the American Heart Association (EPI/Lifestyle Scientific Session).
16. Fuller-Rowell, T. E., & Curtis, D. S. (2017, March). Prospective health consequences of socioeconomic disadvantage across the life span: The mediating roles of discrimination and unfair treatment. Presentation at meeting of the American Psychosomatic Society, Seville, Spain.
17. Curtis, D. S., & Fuller-Rowell, T. E., (2016, March). Racial and socioeconomic disparities in body mass index among college students: Understanding the role of early life adversity. Presentation at the meeting of the Society for Research on Adolescence, Baltimore, MD.
18. Fuller-Rowell, T. E., Curtis, D. S., Boylan, J. (2016, March). Racial disparities in sleep: The role of neighborhood disadvantage. Presentation at the meeting of the American Psychosomatic Society, Denver, CO.
19. Fuller-Rowell, T. E., & Curtis, D. S. (2015, June). Psychosocial mediators of racial disparities in sleep. Presentation at annual meeting for investigators of the Midlife in the United States Study, Madison, WI.
20. Curtis, D. S., Fuller-Rowell, T. E., Malanchuk, O., Eccles, J. S., Peck, S. & Adam, E. (2015, March). Is good sleep a privilege? Educational differences in the effects of daily stress on sleep. Presentation at the meeting of the American Psychosomatic Society, Savannah, GA.
21. Bub, K., Robinson, L., Curtis, D. S., Spencer, C. (2015, March). Longitudinal associations between self-regulation and health across early and middle childhood. Presentation at the meeting of the Society for Research in Child Development, Philadelphia, PA.
22. Curtis, D. S., & Fuller-Rowell, T. E. (2014, September). Early life adversity and obesity: The moderating role of vagal functioning. Presentation at the meeting of the Society of Psychophysiological Research, Atlanta, GA.
23. Curtis, D. S., Epstein, N. B., & Wheeler, B. (2013, November). Relationship dissolution among couples experiencing common couple violence. Presentation at the meeting of the National Council on Family Relations, San Antonio, TX.
24. Epstein, N. B., Werlinich, C. A., Hart, J. R., Davis, B. L., Pruitt, D. N., Curtis, D. S., & Dauler, A. J. (2012, September). Couple therapies for physical and psychological aggression, Institute at the meeting of the American Association for Marriage and Family Therapy.

**AWARDS**

Junior Faculty Research Leave Award, College of Social and Behavioral Sciences, University of Utah, 2020

Vice President’s Clinical and Translational Research Scholar, University of Utah, 2019-2020

Auburn University Distinguished Dissertation Award, 2018

Merriwether Fellowship Recipient, Auburn University, 2017

American Heart Association Early Investigator Travel Award for EPI/Lifestyle Scientific Sessions, 2017

HDFS Doctoral Research Presentation Award, Auburn University, 2017

Alma S. Bentley Memorial Endowed Scholarship, Auburn University, 2016-2017

Graduate Research and Travel Fellowship, Auburn University, 2013-2015, 2017

**COURSES TAUGHT**

Program and Policy Evaluation, University of Utah, Spring 2020, Spring 2021, Spring 2022, Spring 2023

Human Development across the Lifespan, University of Utah, Fall 2018, Spring 2019, Fall 2019, Spring 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022

Research Methods in Family and Consumer Studies, Fall 2022

Child Development, Auburn University, Summer 2017

**GRADUATE STUDENT COMMITTEES**

1. Susan Walker, Human Development & Social Policy Doctoral Program, Department of Family and Consumer Studies. Planned Completion for 2027 (Committee Member).
2. Brittany Alosi, Human Development & Social Policy Doctoral Program, Department of Family and Consumer Studies. Planned Completion for 2026 (Committee Chair).
3. Prem Narayanan, Human Development & Social Policy Doctoral Program, Department of Family and Consumer Studies. Planned Completion for 2025 (Committee Member).
4. Tessa Washburn, Human Development & Social Policy Doctoral Program, Department of Family and Consumer Studies. Planned completion for 2024 (Committee Member).
5. Marni Epstein, Master of Public Policy Program. Planned completion for 2023 (Capstone Chair).
6. Alex Smith, Master of Public Policy Program. Planned completion for 2023 (Capstone Chair).
7. Kate Bradford, Master of Public Policy Program. Planned completion for 2023 (Capstone Chair).
8. Hannah McAtee, M.S., Human Development & Social Policy Master’s Program Department of Family and Consumer Studies. Planned completion for 2023 (Committee Member).
9. Alexis Athens, Master of Public Policy Program. Planned completion for 2023 (Capstone Chair).
10. Olivia Morfas, M.S., Human Development & Social Policy Master’s Program Department of Family and Consumer Studies. Completed 2022 (Committee Member).
11. Heidi Prior, Master of Public Policy Program. Completed 2022 (Capstone Chair).
12. Matthew Doane, Master of Public Policy Program. Completed 2022 (Capstone Chair).
13. Jessica Stafford, Human Development & Social Policy Master’s Program, Department of Family and Consumer Studies. Completed 2021 (Committee Member).

**UNDERGRADUATE PROJECTS SUPERVISED**

Title: Economic patterning of local parks in the Wasatch Front: The importance of measuring quality

Undergraduate Researcher: Brittney Hayes

Semester; Funding: Spring 2019, Summer 2019; Undergraduate Research Opportunities Program

Title: Recreation within the neighborhood: Understanding socioeconomic, demographic, and environmental determinants

Undergraduate Researcher: Madeline Engel

Semester; Funding: Spring 2019, Fall 2019; Undergraduate Research Opportunities Program

Title: Differences in access to recreation amenities as an explanation for elevated obesity risk among Pacific Islanders in Utah

Undergraduate Researcher: Olivia Kavapalu

Semester; Funding: Fall 2019, Spring 2020; Undergraduate Research Opportunities Program

**PROFESSIONAL AFFILIATIONS**

Consortium for Families and Health Research (C-FAHR), University of Utah

Interdisciplinary Association for Population Health Science

Interdisciplinary Exchange for Utah Science (NEXUS), University of Utah

Population Association of America

Society for Research in Child Development

**UNIVERSITY SERVICE**

Undergraduate Curriculum Committee, Family and Consumer Studies, University of Utah

Equity, Diversity, and Inclusion Committee, Family and Consumer Studies, University of Utah

Graduate Admissions and Policy Committee, Family and Consumer Studies, University of Utah

Admissions and Scholarship Committee, Master of Public Policy Program, University of Utah

Search Committees for Family Financial Well-being & Family Diversity positions, Family and Consumer Studies, University of Utah

Search Committee for Child Development position, Human Development and Family Studies, Auburn University

Planning Committee for Southeastern Symposium on Child and Family Development

**PROFESSIONAL SERVICE**

Mentoring Award Committee, Interdisciplinary Association for Population Health Science, 2020-2022

Program Committee, Interdisciplinary Association for Population Health Science, 2020

Ad-hoc Reviewer: BMC Pregnancy and Childbirth, Children and Youth Services, Health Psychology, Journal of Health and Social Behavior, Journal of Racial and Ethnic Health Disparities, Journal of Research in Adolescence, PLOS ONE, Proceedings of the National Academy of Sciences, Prevention Science, Social Science & Medicine.

Grant Reviewer, NIH Center for Scientific Review: Loan Repayment Program, 2023; SSPA Study Section, 2021