

Kayla M. Anderson

Department of Human & Organizational Development
Peabody College, Vanderbilt University
Nashville, Tennessee

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EDUCATION

- 2025 Ph.D. Vanderbilt University– Community Development and Action
2020 M.Ed. Vanderbilt University– Community Development and Action
2013 B.D. Whitworth University– Sociology, Summa Cum Laude

RESEARCH INTERESTS

Environmental justice; Community organizing; Community power and empowerment processes; Geospatial analysis; Action research; Participatory action research; Youth participatory action research; Community engaged research

PUBLICATIONS

Peer-Reviewed Articles

- Anderson, K. M.**, Morgan, K. Y., McCormick, M. L., Robbins, N. N., Curry-Johnson, S. E., and Christens, B. D. (2024). Participatory mapping of holistic youth well-being: A mixed methods study. *Sustainability*, 16, 1559. <https://doi.org/10.3390/su16041559>
- Morgan, K. Y., **Anderson, K. M.**, and Christens, B. D. (2022). Pathways to community building: Examining generational continuity and discontinuity in community leadership development. *Applied Developmental Science*. <https://doi.org/10.1080/10888691.2022.2154211>
- Temkin, A. M., Uche, U. I., Evans, S., **Anderson, K. M.**, Perrone-Grey, S., Campbell, C. & Naidenko, O. V. (2022). Racial and social disparities in Ventura County, California related to agricultural pesticide applications and toxicity. *Science of the Total Environment*, 853. <https://doi.org/10.1016/j.scitotenv.2022.158399>
- Paxton, C., **Anderson, K. M.**, and McDonald, Y. J. (2022). The water sector industry workforce: A quantitative case study, Tennessee, USA. *Utilities Policy*, 76. <https://doi.org/10.1016/j.jup.2022.101356>
- McDonald, Y. J., **Anderson, K. M.**, Caballero, M. D., Ding, K. J., Fisher, D., Morkel, C., and Hill, E. (2022). Where are the community water systems? A systematic review of geospatial representation of United States community water system service areas. *AWWA Water Science*, 4(1), e1266. <https://doi.org/10.1002/aws2.1266>

Book Chapters

- Anderson, K. M.**, and Christens, B. D. (2024). Neighborhood associations and community change. In B. D. Christens (Ed.), *The Cambridge handbook of community empowerment*. Cambridge University Press.

Morgan, K. Y., **Anderson, K. M.**, Christens, B. D., Shaltaf, L., and KaiKai, J. (2024). “Real change takes time.” Building multi-dimensional youth community power in a participatory design collective. In J. O. Conner (Ed.), *The handbook of youth activism*. Edward Elgar Publishing Ltd.

Technical Reports

Anderson, K. M., McCormick, M. L., and Gibson, M. (2024, May). *Dream City: A youth vision for Nashville’s spaces and places*. Imagine Nashville.

Christens, B. D., Morgan, K. Y., and **Anderson, K. M.**, and Kobbervig, K. A. (2019, November). *Weaving communities: Influences and learning among lifelong community builders*. Aspen Institute.

Articles in Press

Anderson, K. M., Morgan, K. Y., McCormick, M. L., Gibson, M., and Christens, B. D. (2024). Youth participatory action research for equitable urban design. *Journal of Participatory Research Methods*.

Articles in Review

Macey, G., Farrell, C., **Anderson, K. M.**, Garcia, A., Martinez, Y. Sellen, J., Temkin, A., and Weller, M. (2024). Pesticide use and civil rights in central California: Slow violence and the state. Target Journal: *Environment*.

Anderson, K. M. and Christens, B. D. (2024). Investigating the impacts of short-term rentals in Nashville through a graduate action research class. Target Journal: *Educational Action Research*.

Articles in Preparation

Anderson, K. M., Morgan, K. Y., McCormick, M. L., and Christens, B. D. (2024). Youth imagining their ideal neighborhoods: How do lived realities compare to ideals across different types of neighborhoods? Target Journal: *Youth*.

Anderson, K. M., Caballero, M. D., Podraza, A., and McDonald, Y. J. (2024). A community-level analysis of drinking water justice in the United States. Target Journal: *Nature Water*.

McDonald, Y. J., and **Anderson, K. M.** (2024). Building connections with operators: Navigating drinking water supply challenges. Target Journal: *Water*.

Christens, B. D., **Anderson, K. M.**, Morgan, K. Y., Happanen K., and Byrd, K. (2024). Contextualist methods in community psychology. Target Journal: *American Journal of Community Psychology*.

Anderson, K. M. and McDonald, Y. J. (2024). Water operators know best: Utilizing community-based participatory research to assess technical, financial, and managerial challenges in community water systems in Tennessee, USA. Target Journal: *AWWA Water Science*.

Book Chapters in Preparation

McCormick, M. L., Azamian, S., Morgan, K. Y., **Anderson, K. M.**, Gibson, M., and Christens, B. D. (2024). Sense of place among young people involved in place-based action civics in Nashville, TN. In I. Butterworth (Ed.), *The psychology of place: Opportunities for rebuilding our place in a post-colonial world*.

PRESENTATIONS

Conference Presentations

- Anderson, K. M.**, Morgan, K. Y., and Christens, B. D. (2024, June 21–23). Youth action research for equitable urban design. In K. M. Anderson and K. Y. Morgan (Chairs), *Perspectives on action research: Transforming communities through diverse approaches* [Symposium]. Society for the Psychological Study of Social Issues Annual Conference, Philadelphia, PA.
- Anderson, K. M.**, Morgan, K. Y., Christens, B. D., Silka, L., Grzanka, P. R., Schlehofer, M. M., Pickering, R. M., Trott, C. D., Savaş, Ö, and Ellison, E. (2024, June 21–23). *Building a SPSSI Action Research Interest Group* [Interactive discussion]. Society for the Psychological Study of Social Issues Annual Conference, Philadelphia, PA.
- Anderson, K. M.** (2024, April 18). Community organization & academic collaboration to address environmental and health inequities: The Grundy County Cancer Research Organization-Community Engaged Research Project. In J. Mokus and J. Mapes (Chairs), *Practicing community geography* [Paper presentation]. The American Association of Geographers Conference, Honolulu, HI, virtual.
- Ahn, Y., **Anderson, K. M.**, Apilado, D., Crawford, B., Liu, D., and Molla, A. (2024, April 17). *ScienceCore Heuristics for Open science Outcomes in Learning (SCHOOL): Health, Air Quality, and Environmental Justice Module Development* [Panel]. The American Association of Geographers Conference, Honolulu, HI, virtual.
- Anderson, K. M.**, Morgan, K. Y., Christens, B. D., Trott, C. D., and Silka, L. (2023, June 26). *Pedagogical approaches to engaging students in local action research* [Interactive discussion]. Society for the Psychological Study of Social Issues Annual Conference, Denver, CO.
- Morgan, K. Y., **Anderson, K. M.**, Shaltaf, L., and Christens, B. D. (2023, June 22). Building a youth leadership ecosystem in the Nashville Youth Design Team. In E. Thomas (Chair), *Youth organizing and participatory action research: Towards sustainable partnerships and practices* [Symposium]. The Society for Community Research and Action Biennial Conference, Atlanta, GA.
- Anderson, K. M.**, and Christens, B. D. (2023, April 28). *Investigating the impacts of short-term rentals in Nashville through a graduate action research class* [Presentation]. Urban Affairs Association Conference, Nashville, TN.
- Anderson, K. M.**, Morgan, K. Y., and Gibson, M. (2023, March 23). *Youth-driven change: The Nashville Youth Design Team, a youth participatory mapping collective* [Presentation]. American Association of Geographers Conference, Denver, CO.
- Morgan, K. Y. and **Anderson, K. M.** (2022, June). *Building youth community power in a participatory design collective* [Presentation]. Society for the Psychological Study of Social Issues Conference, San Juan, Puerto Rico.
- Morgan, K. Y., **Anderson, K. M.**, Christopher, C., Marks, C., Fisher, B., and Stenson, C. (2022, June). *The role of students in research practice partnership: The case for utilizing YPAR to support engagement and dissemination* [Presentation]. Society for Prevention Research, Seattle, WA.

- Anderson, K. M.**, Caballero, M. D., and McDonald, Y. J. (2022, March). *Exploring drinking water (in)justice at the community level: Methodological applications to promote change* [Recorded poster presentation]. New Horizons in Conservation Conference, Justice, Equity, Diversity, and Sustainability Initiative, Yale School of Environment, virtual.
- Caballero, M. D., **Anderson, K. M.**, and McDonald, Y. J. (2022, February). *Crude oil production & regulation of BTEX in drinking water in the United States* [Presentation]. American Association of Geographers Conference, virtual.
- McDonald, Y. J., **Anderson, K. M.**, Caballero, M. D., Ding, K., Fisher, D. H., Morkel, C. P., and Hill, E. (2022, February). *Geospatial representation of United States community water system estimated service area boundaries: A crucial step to assessing water justice at the community level* [Presentation]. American Association of Geographers Conference, virtual.
- Morgan, K. Y., **Anderson, K. M.**, Thabit, B., and Shaltaf, L. (2021, June). *Youth voice, community development, and spatial justice: Reflections from a youth-led participatory mapping collective* [Presentation]. Society for Community Research and Action Biennial Conference, virtual.
- Anderson, K. M.**, Gasteyer, S., Lander, P., Manners, J., and VanDerslice, J. (2021, April). *Utilizing collaboration to address the complexities of drinking water* [Panelist and session organizer]. American Association of Geographers Conference, virtual.
- Anderson, K. M.** and McDonald, Y. J. (2021, April). *Operators know best: Utilizing public water system operators to understand technical, managerial, and financial challenges facing community water systems in Tennessee* [Presentation and session organizer]. American Association of Geographers Conference, virtual.
- McDonald, Y. J. and **Anderson, K. M.** (2020, October). *Unmasking differences: How using the correct unit of analysis in geospatial drinking water research has the potential to reveal community-level differences* [Presentation]. Applied Geography Conference, virtual.
- Morgan, K. Y. and **Anderson, K. M.** (2020, October). *Nashville through the eyes of youth: Using participatory mapping as a tool for spatial justice* [Presentation]. Applied Geography Conference, virtual.
- Anderson, K. M.** and Morgan, K. Y. (2020, October). *Critical GIS demo and resource share* [Teach-in]. Southeast ECO Conference, virtual.
- Anderson, K. M.** and Morgan, K. Y. (2020, June). *Motivations, experiences, and learning in community leadership* [Presentation]. Society for the Psychological Study of Social Issues Conference, Denver, CO. (Cancelled due to Covid-19)
- Anderson, K. M.** and McDonald, Y. J. (2020, April). *Operators know best: Engaging public water operators to understand technical, financial, and managerial challenges facing community water systems in Tennessee* [Presentation and session organizer]. American Association of Geographers Conference, Denver, CO. (Cancelled due to Covid-19)
- McDonald, Y. J. and **Anderson, K. M.** (2019, October). *A community-engaged research approach: Collaborating with key Tennessee drinking water stakeholders to understand public water systems' needs* [Presentation]. Applied Geography Conference, Charlotte, NC.
- Anderson, K. M.** (2019). *Spatial analysis of community water systems and health-based drinking water violations in Tennessee* [Poster presentation]. Vanderbilt Geographic Information Systems Annual Conference, Nashville, TN.

Invited Presentations

- Anderson, K. M.** (2024, April). *Student Perspectives on Graduate Education and Research*. Vanderbilt University Graduate Research and Education Advisory Board Meeting and Dinner, Vanderbilt University, Nashville, TN.
- Anderson, K. M.** (2024, April). *Community Organization & Academic Collaboration to Address Environmental and Health Inequities: The Grundy County Cancer Research Organization-Community Engaged Research Project* [Colloquium Presentation]. Department of Human and Organizational Development Colloquium Series, Peabody College, Vanderbilt University, Nashville, TN.
- Hanebutt, R. A., **Anderson, K. M.**, Barrett, E., Jurinsky, J. (2024, February). *Community Research and Action Doctoral Program: Student Milestones* [Colloquium Panel]. Department of Human and Organizational Development Colloquium Series, Peabody College, Vanderbilt University, Nashville, TN.
- Anderson, K. M.** (2024, February). *Environmental Justice and Community Power* [Guest Lecture]. Health Equity and Community Power (HODC 3650-04/05), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Jyoti Gupta, PhD.
- Anderson, K. M.** (2024, January). *Using a Health Equity Framework to Contextualize Social Determinants of Health: Grundy County, Tennessee Case Study* [Guest Lecture]. Community Inquiry (HODH 3650-03 and HOD 7500-7), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Yolanda J. McDonald, PhD.
- Anderson, K. M.**, McDonald, Y. J., and Curry-Johnson, S. (2024, January). *Spatial Computing* [Guest Panel]. Project Special Topics: Projects in Computing for Sustainability (CS 3892), School of Engineering, Vanderbilt University, Nashville, TN. Instructor: Douglas Fisher, PhD.
- Anderson, K. M.** (2023, October). *Action research* [Guest Lecture]. Community Inquiry (HOD 6210 and HOD 8210), Peabody College, Vanderbilt University, Nashville, TN. Instructors: Beth Shinn, PhD and Doug Perkins, PhD.
- Anderson, K. M.** & Hanebutt, R. A. (2023, October). *Scoping Better: How to save Time (& Stress) with Covidence!* [Training]. Department of Human and Organizational Development, Peabody College, Vanderbilt University, Nashville, TN.
- Anderson, K. M.** (2023, September). *Grundy County Cancer Research Organization: Community-Engaged Research Partnership Study- Environmental Justice in Grundy County, TN* [Guest Lecture]. Vanderbilt School of Science and Math (11th grade high school students), Vanderbilt University, Nashville, TN. Instructors: Menton Deweese, PhD and Angela Eeds, PhD.
- Anderson, K. M.** (2023, August). *Short-Term Rentals in Nashville, TN* [Presentation]. Action Research (HOD-6300 and HOD-8400), Peabody College, Vanderbilt University, Nashville, TN. Instructors: Ashley Carse, PhD and Paul Speer, PhD.
- Anderson, K. M.** and Gibson, M. (2023, July). *Engaging Young People in Decision Making Spaces* [Presentation]. Youth Health Working Group- Health in All Policies. Metro Nashville Health Department, Nashville, TN.
- Anderson, K. M.** (2023, April). *Policy and advocacy around short-term rentals in Nashville* [Presentation]. Public Policy and Advocacy (HOD 8130), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Beth Shinn, PhD

- Anderson, K. M.** and Ranseen, O. (2023, March). *Sustainable city planning workshop* [Workshop Facilitator]. Nashville Youth Climate Summit. Nashville, TN.
- Anderson, K. M.** and Christens, B. D. (2022, October). *Action research* [Presentation]. Community Inquiry (HOD 8210 and HOD 6210), Peabody College, Vanderbilt University, Nashville, TN. Instructors: Beth Shinn, PhD and Ashmeet Oberoi, PhD.
- Anderson, K. M.** (2022, March). *Interviews* [Presentation]. Systematic Inquiry (HOD 2500), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Jordan Jurinsky, MEd.
- Anderson, K. M.** and McDonald, Y. J. (2022, March). *Key findings from the Tennessee Public Water Operator Survey* [Presentation]. Annual Tennessee Association of Utility Districts Technology Conference, Knoxville, TN.
- Anderson, K. M.** and Haapanen, K. (2022, March). *Problems of power: Environmental injustice* [Presentation]. Health Equity & Community Power (HOD 3650), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Jyoti Gupta, PhD.
- McDonald, Y. J., **Anderson, K. M.**, and Caballero, M. D. (2021, October). *GIS and drinking water justice* [Presentation]. Special Topics: Computing and the Environment (CS 3891), School of Engineering, Vanderbilt University, Nashville, TN. Instructor: Doug Fisher, PhD.
- Anderson, K. M.** and McDonald, Y. J. on behalf of the Vanderbilt Drinking Water Justice Lab. (2021, March). *Partnering with Tennessee water professionals: Mapping community water systems and operator survey key findings* [Presentation]. Annual Tennessee Association of Utility Districts Technology Conference, virtual.
- Anderson, K. M.** and Morgan, K. Y. (2021, February). *Student perspectives on action research* [Presentation]. Action Research (HOD 6300), Peabody College, Vanderbilt University, Nashville, TN. Instructors: Brian D. Christens, PhD and Sarah Suiter, PhD.
- Anderson, K. M.** and Morgan, K. Y. (2020, October). *Incorporating GIS into action research* [Presentation]. Action Research (HOD 6300), Peabody College, Vanderbilt University, Nashville, TN. Instructors: Brian D. Christens, PhD and Sarah Suiter, PhD.
- Anderson, K. M.** (2020, March). *Conducting research as a graduate student* [Presentation]. Human and Organizational Development Capstone (HOD 4953), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Yolanda J. McDonald, PhD.
- Anderson, K. M.** (2019, March). *The built environment* [Presentation]. Human and Organizational Development- Health and Human Services Seminar- Environmental Health (HOD 3650), Peabody College, Vanderbilt University, Nashville, TN. Instructor: Yolanda J. McDonald, PhD.
- Anderson, K. M.** (2019, March). *Nashville Civic Design Center and University Connections* [Presentation]. Trimble Action Group, Nashville, TN.

TEACHING EXPERIENCE:

Lab Instructor

January 2024–May 2024

Department of Human and Organizational Development, Peabody College, Vanderbilt University

Course: Small Group Behavior (HOD-1300), Jeremy Payne, PhD

5.0/5.0 Course Evaluation

Lab Instructor August 2023–December 2023
Department of Human and Organizational Development, Peabody College, Vanderbilt University
Course: Applied Human Development (HOD-1250)
Jeremy Payne, PhD & Andy Pinedo, PhD
4.85/5.0 Course Evaluation

Graduate Student Instructor January 2023–May 2023
Department of Human and Organizational Development, Peabody College, Vanderbilt University
Course: Action Research (HOD-6300/8400)
Brian D. Christens, PhD & Rong Wang, PhD

Lab Instructor January 2023–May 2023
Department of Human and Organizational Development, Peabody College, Vanderbilt University
Course: Applied Human Development (HOD-1250)
Andrew Finch, PhD & Meaghan Mundy, PhD
4.8/5.0 Course Evaluation

Co-Instructor August 2022–December 2022
Department of Human and Organizational Development, Peabody College, Vanderbilt University
Course: Environmental Health: Through the Lens of Water Justice (HOD-3650-01)
Yolanda J. McDonald, PhD
5.0/5.0 Course Evaluation

Graduate Student Instructor for GIS Training January 2022–May 2022
Department of Human and Organizational Development, Peabody College, Vanderbilt University
Course: Action Research (HOD-6300)
Brian D. Christens, PhD & Sarah Suiter, PhD

Teaching Assistant August 2021–May 2022
Department of Human and Organizational Development, Peabody College, Vanderbilt University
Course: Systematic Inquiry (HOD-2500)
Andrew Van Schaack, PhD & Jordan Jurinsky, MEd

Undergraduate Thesis Advising
Elise Wagner. (2021). “Comparing the effectiveness of “Design Your Neighborhood” to other forms of civic action curricula” [Co-advisor of honors thesis]. Department of Human and Organizational Development, Peabody College, Vanderbilt University, Nashville, TN.

Catherine Paxton. (2020). “Retaining an essential workforce: A quantitative analysis of workforce retention factors among water operators in Tennessee” [Co-advisor of honors thesis]. Department of Human and Organizational Development, Peabody College, Vanderbilt University, Nashville, TN.

RESEARCH EXPERIENCE

Research Assistant April 2022–Present
Grundy County Environmental Justice Project
PI: Brooke Ackerly, PhD

Co-Facilitator & Co-PI August 2020–Present
Nashville Youth Design Team (NYDT)
Co-PIs: Kayla M. Anderson, Kathryn Y. Morgan, PhD, Melody Gibson, Brian D. Christens, PhD

Lead Research Assistant <i>Drinking Water Justice Lab (DWJL), Vanderbilt University</i> <i>PI: Yolanda J. McDonald, PhD</i>	November 2018–Present
Senior Research Fellow Research Intern <i>Civic Design Center, Nashville, TN</i>	April 2019–Present January 2019–April 2019
GIS Contractor	June 2024–July 2024 August 2022–December 2022 May 2022–August 2022
GIS Research Intern <i>Environmental Working Group (EWG), Washington, D.C.</i>	
HASTAC Scholar <i>Nashville Sites</i> <i>PI: Mary Ellen Pethel, PhD</i>	November 2020–May 2022
Research Assistant <i>The Aspen Institute- Weave: The Social Fabric Project</i> <i>PI: Brian D. Christens, PhD</i>	May 2019–November 2019

FELLOWSHIPS & GRANTS

2024	Student Research Grant (\$500), Society for Community Research and Action
2023–2024	Community Scholars Award, (\$6,000) The Meharry-Vanderbilt Community Engaged Research Core
2023–2024	Imagine Nashville Research Grant (\$60,000) Nashville Youth Design Team, Imagine Nashville & Dream City Research Project
2022–2023	Emerging Scholar (\$5,000), Healthy Neighborhood Study- Emerging Scholars Program Conservation Law Foundation and Massachusetts Institute for Technology, Robert Wood Johnson Foundation
2020–2022	HASTAC Scholar with Nashville Sites, Vanderbilt University
2020–2025	University Graduate Fellowship, Vanderbilt University
2019	Russell G. Hamilton Student-Faculty Summer Research Grant, Department of Human and Organizational Development, Peabody College, Vanderbilt University
2019–2020	Jere Phillips Honors Scholarship, Peabody College, Vanderbilt University
2018–2020	Peabody Honors Scholarship, Peabody College, Vanderbilt University

HONORS & AWARDS

2024	Excellence in Leadership Award, Graduate Leadership Institute, Vanderbilt University
2023	Best Overall Award, Graduate Leadership Anchor Awards, Vanderbilt University
2022	2 nd Place in the Doctoral Student Poster Competition, Yale New Horizons in Conservation Conference
2020	2 nd Place in the Student Paper Competition, Applied Geography Conference
2020	People’s Choice Award, Southeast ECO Conference
2019	SP3 Student Award, Applied Geography Conference
2013	Daniel Burtness Leadership Award, Whitworth University
2011–2013	Sociology Department Scholar, Whitworth University
2013	Alpha Delta Kappa Society, Whitworth University

2012 Phi Alpha Theta Society, Whitworth University
2010–2013 Whitworth Laureate Society, Whitworth University

INSTITUTIONAL SERVICE & LEADERSHIP

Community Research and Action Student Association September 2021–August 2023
Co-President

*Department of Human and Organizational Development, Peabody College
Vanderbilt University*

Community Research and Action Admissions Committee December 2022–May 2023
Admissions Committee Member

*Department of Human and Organizational Development, Peabody College
Vanderbilt University*

Department of Human and Organizational Development Colloquium Series March 2022
Colloquium Panel Co-Organizer

Data and Activism for Social and Environmental Justice with Dr. David Padgett and Dr. Amber J. Bosse
*Department of Human and Organizational Development, Peabody College
Vanderbilt University*

Department of Human and Organizational Development Colloquium Series March 2022
Colloquium Panel Co-Organizer

Youth Leadership in Nashville: Voice, Power, and Social Change
*Department of Human and Organizational Development, Peabody College
Vanderbilt University*

CRA Professional Development Committee September 2021–May 2022
Committee Member

*Department of Human and Organizational Development, Peabody College
Vanderbilt University*

CRA Colloquium Committee September 2020–May 2021
Committee Member

*Department of Human and Organizational Development, Peabody College
Vanderbilt University*

Peer Career Mentor Program August 2019- May 2020
Peer Career Mentor

*Community Development and Action Program, Peabody College
Vanderbilt University*

PROFESSIONAL DEVELOPMENT ACTIVITIES AND SERVICE

Certificate in College Teaching November 2023
*The Center for Teaching and The Graduate School
Vanderbilt University*

Community Engaged Research Training November 2023
Attendee

The Meharry-Vanderbilt Community Engaged Research Core (CERC)

Vanderbilt Institute for Clinical and Translational Research (VICTR)

Columbia Environmental Justice Bootcamp

August 2022

Attendee

Columbia University

Journal Reviewer

American Journal of Community Psychology

Social Science and Medicine

PROFESSIONAL AFFILIATIONS

- American Association of Geographers
- Society for Community Research and Action
- Society for the Psychological Study of Social Issues
- Urban Affairs Association

SKILLS

Experience with a range of data management, analysis, and visualization software, including ArcGIS Pro and online, QGIS, R, Stata, SPSS, NVivo, MAXQDA, Excel, Dedoose, REDCap, Covidence, and Canva