

## CURRICULUM VITAE

### Marilyn Elizabeth Wende, PhD, MSPH

Assistant Professor  
Department of Health Education & Behavior  
College of Health and Human Performance  
University of Florida  
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#### LINKS:

ORCID: <https://orcid.org/0000-0001-7397-7048>  
Google Scholar: <https://scholar.google.com/citations?user=uhEZHO0AAAAJ&hl=en>  
Research Gate: <https://www.researchgate.net/profile/Marilyn-Wende>  
LinkedIn: <https://www.linkedin.com/in/marilyn-wende/>  
NCBI: <https://www.ncbi.nlm.nih.gov/myncbi/marilyn.wende.1/bibliography/public/>

#### EDUCATION:

**PHD**, Health Promotion, Education and Behavior, University of South Carolina (4.0 GPA) August 2021  
**Dissertation:** Neighborhood socioeconomic status, green space, and walkability and risk for falls and fracture among postmenopausal women: The Women's Health Initiative

**MSPH**, Epidemiology, University of South Carolina (3.9 GPA) December 2017  
**Thesis:** Trends in Gestational Weight Gain in South Carolina, 2004 - 2015

**BS**, Psychology, Ohio State University (3.4 GPA; *with Research Distinction*) May 2015  
**Thesis:** Maternal depression and autobiographical memory in mothers and their children

#### RESEARCH INTERESTS

- Epidemiology of physical (in)activity
- Health equity and disparities
- Community-based approaches to health promotion and active living
- Aging in place and age-friendly environments
- Implementation science research and practice

#### HONORS and AWARDS:

- First place "Outstanding Research Poster" award at the American Academy of Health Behavior Annual Scientific Meeting (2022), Key Largo, FL.
- Butterfoss Community Based Research Endowed Fellowship (2020)
- First place Oral Presentation Award, Physical Activity Section of the American Public Health Association Annual Meeting (2019), Philadelphia, PA
- First place Oral Presentation Award, University of South Carolina Annual Nutrition Consortium Research Symposium (2019), Columbia, SC
- Trustee Recruiting Fellowship (2017-2018)
- Graduated with Research Distinction, The Ohio State University
- Dean's list (4 semesters at Ohio State University)

## COMPUTER SKILLS:

- Proficient: SAS, SPSS, STATA, ArcGIS, NVivo, Microsoft PowerPoint, Microsoft Excel, Microsoft Word, Microsoft Access, Qualtrics, Prezi, Canva

## RESEARCH EXPERIENCE:

09/2021 – current

### Postdoctoral Research Associate

Dr. M. Renée Umstattd Meyer

Baylor University – Department of Public Health

40 hours per week

- **Salud Para Usted y Su Familia [Health for You and Your Family (SPUSF)]**
  - My role: project dissemination for physical activity outcomes, qualitative findings on strategies for family physical activity and impacts of depression on child physical activity.
  - Funding: U.S. Department of Agriculture (Umstattd Meyer, PI)
- **Dissemination of Recommended Action for Surveillance of Policy, Systems, and Environmental Factors to Promote Breastfeeding, Healthy Eating, and Physical Activity in Rural United States Communities**
  - My role: Synthesized articles identified in the scoping review, drafted manuscripts related to policy and environmental health promotion strategies and disseminated results at international conferences.
  - Funding: Centers for Disease Control and Prevention (Umstattd Meyer, PI)
- **Play Streets Evaluation and Implementation**
  - My role: Co-investigator.
  - Co-wrote R21 grant with Dr. Umstattd Meyer. Submitted February 2022 to the National Cancer Institute. We plan to resubmit this project as an R01 grant in February 2023. My role included grant development, including drafting/writing, qualitative analyses, and scientific literature review.
- **Play Streets Feasibility Study**
  - My role: grant program manager
  - Funding: Dr. Benjamin Brown IV Fund for Interdisciplinary and Collaborative Scholarship (Umstattd Meyer, PI)

12/2020 – 07/2021

### Consultant – Grant Writer

Dr. Morgan Hughey

College of Charleston – Department of Health and Human Performance

5 hours per week

- Ashley River Crossing Natural Experiment Study Proposal
  - Grant writing consultation: offering methodological and statistical expertise, & drafting the letter of intent and full grant proposal.
  - Letter of Interest submitted to the Robert Wood Johnson Foundation and not selected for funding.
  - Funding: College of Charleston

8/2017 – 08/2021

### Graduate Research Assistant

Built Environment and Community Health (BEACH) Laboratory

Dr. Andrew Kaczynski

University of South Carolina – Department of Health Promotion, Education and Behavior  
20 hours per week

- **Childhood Obesogenic Environment Index Project:**
  - Contributed to and led manuscript publications: conducted literature reviews, created the obesogenic index database, conducted analyses for index creation, and mapped environmental scores across the U.S. using GIS.
  - Completed and presented research and statistical analysis for manuscripts on spatial clustering of food and physical activity environments, geographic congruency of food and physical activity environments, and income and race-based disparities for physical activity environments.
  - Co-drafted an R01 grant to develop the childhood obesogenic environment index further by studying values over time and identifying environmental injustice.
  - Funding to support this work: Federal Office of Rural Health Policy (FORHP), Health Resources & Services Administration (HRSA), U.S. Department of Health & Human Services (Kaczynski, PI)
  
- **ParkIndex Project**
  - Contributed to manuscript preparation, managed online survey platform, created respondent database, participated in study team meetings, conducted statistical analyses for manuscripts and presentations, led creation of maps.
  - Completed research and statistical analysis for manuscripts on disparities in block-group-level ParkIndex values by race, income, and population density, and on methods for analyzing non-independent data on park use using random effects and marginal modelling techniques.
  - Co-drafted an R01 grant to develop ParkIndex further on a national scale, submitted to the National Institute of Health in December 2020 and not funded.
  - Funding: National Cancer Institute, NIH (Kaczynski, PI)
  
- **Spartanburg Healthy Schools Initiative Project**
  - Assisted with data management and attended group meetings.
  - Funding: Mary Black Foundation (Kaczynski, PI)
  
- **Natural Experiment for the Impact of a Major Park Renovation in Columbia, SC**
  - Developed and submitted a grant that was successfully funded for baseline evaluation of sociodemographic and health conditions prior to the renovation.
  - Funding: University of South Carolina Advanced Support for Innovative Research Excellence (Kaczynski, PI)

5/2020 – 5/2021

**Graduate Research Assistant**

Prevention Research Center

Dr. Sara Wilcox

University of South Carolina – Department of Exercise Science

10 hours per week

- Prevention Research Center Action Plan
  - My role: Conducted a literature review to create criteria for research translation decision-making in community settings, assisted with the development of a health ministry toolkit, developed newsletters to engage community members and stakeholders, and assisted with communications and social media.
  - Funding: Centers for Disease Control and Prevention (Wilcox, PI)

- 5/2020 – 8/2020      **Graduate Research Assistant**  
Health Policy Research Laboratory  
Dr. Nicole Hair  
University of South Carolina – Department of Health Services Policy and Management  
20 hours per week
- **State-level Policies and Child Immunization Project**
    - My role: Contributed to manuscript preparation, data management, and statistical analysis.
    - Funding: Department of Health Services Policy and Management
- 1/2016 – 8/2020      **Graduate Research Assistant**  
Health in Pregnancy and Postpartum (HIPP) Study  
Dr. Jihong Liu & Dr. Sara Wilcox  
University of South Carolina – Department of Epidemiology and Biostatistics  
10-20 hours per week
- My role: Interviewed participants, annotated files, collected physical measurements, and analyzed trajectories for the behavioral intervention.
  - Funding: National Institute of Child Health and Human Development, National Institutes of Health (Liu & Wilcox, Co-PIs)
- 5/2016 – 6/2018      **Graduate Research Assistant**  
Faith, Activity and Nutrition (FAN) Study  
Dr. Sara Wilcox  
University of South Carolina – Department of Exercise Science  
10 hours per week
- My role: Collected data in churches and performed neighborhood audits in a 60-mile radius. Completed and presented research and statistical analysis for a manuscript on the impact of church environment on individual-level health outcomes.
  - Funding: National Heart, Lung & Blood Institute; Centers for Disease Control and Prevention (Wilcox, PI)
- 9/2016 – 11/2016      **Research Analyst**  
Barriers to Exercise in Pregnancy study  
Dr. Natalie Buckham  
University of South Carolina – School of Medicine  
5 hours per week
- My role: Completed quantitative analysis and contributed to manuscript preparation.
- 5/2016 -- 08/2016      **Graduate Research Assistant**  
Policy to Practice in Youth Programs  
Dr. Michael W. Beets  
University of South Carolina – Department of Exercise Science  
10 hours per week
- My role: Conducted audits of physical activity and diet for children's summer programs.
  - Funding: National Institute of Child Health & Human Development, National Institutes of Health (Beets, PI)
- 4/2014 – 5/2015      **Research Assistant**

Cognitive Development Lab  
Dr. Vladimir Sloutsky  
Ohio State University – Department of Psychology  
10 hours per week

- My role: Recruited participants (phone/in person), gave informed consent and survey forms to participants, coordinated study visits and operated eye-tracking technology.
- Received award for personally recruiting over 100 participants in one semester.

5/2013 – 5/2015

**Research Assistant**

Maternal Depression and Child Attention & Regulation Lab  
Dr. Xin Feng  
Ohio State University Department of Human Development and Family Science  
10-20 hours per week

- My role: Coded videos for affect and behavior, recorded and directed study visits
- Completed an undergraduate thesis under Dr. Xin Feng on maternal depression and autobiographical memory in mothers and children. This involved developing coding manuals, coding transcripts, collecting data and compiling that data in a poster.

**TEACHING EXPERIENCE:**

- **Teaching Assistant**, University of South Carolina
  - Advanced Methods in Epidemiology (EPID 741) Spring 2017
  - Health Problems in a Changing Society (HPEB 511) Spring & Summer 2018-2020
- **Guest Lectures:**
  - Bernhart JA, Dunn C, **Wende ME** (March 2018) *Faith, Activity and Nutrition: Promoting Policies and a Healthy Environment for Obesity Prevention*. Lecture presented in Dr. Andrew Kaczynski's Health Problems in a Changing Society class (HPEB 511), University of South Carolina.
  - Bernhart JA, **Wende ME** (March 2019) *Faith, Activity and Nutrition: Be a FAN of your health, increase your faith, be more physically activity, and eat more fruits and vegetables*. Lecture presented in Dr. Andrew Kaczynski's Health Problems in a Changing Society class (HPEB 511), University of South Carolina.
  - **Wende ME**, Stowe, EW (November 2019) *Measurement of the built environment and parks using objective audit tools*. Lecture presented in Dr. Christine Pellegrini's Psychology of Physical Activity class (EXSC 410), University of South Carolina.
  - **Wende ME** (November 2019) *Measurement of the built environment and parks using objective audit tools*. Lecture presented in Dr. Xuumei Sui's Psychology of Physical Activity class (EXSC 410), at University of South Carolina.
  - Bernhart JA, **Wende ME** (March 2020) *Faith, Activity and Nutrition: Be a FAN of your health, increase your faith, be more physically activity, and eat more fruits and vegetables*. Lecture presented in Dr. Andrew Kaczynski's Health Problems in a Changing Society class (HPEB 511), University of South Carolina.
  - **Wende ME** (April 2020) *Natural experiments for physical activity research*. Lecture presented in Dr. Spencer Moore's Social and Physical Environment Interventions in Health Promotion class (HPEB 824), University of South Carolina.

- **Wende ME** (January 2022) *Researching social determinants of health*. Lecture presented in Khin Win Myat's Health Vulnerabilities in Conflicts (Public Health & Peacebuilding; PHHA 505) class, National University of the Union of Myanmar.
- **Wende ME** (June 2022) *Researching social determinants of health*. Lecture presented in Khin Win Myat's Health Vulnerabilities in Conflicts (Public Health & Peacebuilding; PHHA 505) class, National University of the Union of Myanmar.

#### PROFESSIONAL SERVICE:

- **Professional Involvement & Leadership Roles:**
  - Member, Center for Behavioral Economic Health Research, University of Florida (2023- present)
  - Fellow, Physical Activity Policy Research and Evaluation Network (PAPREN) Rural Active Living Work Group (2023- present)
  - Member, International Society of Behavioral Nutrition and Physical Activity (2022- present)
  - Member, PAPREN & PAPREN Rural Active Living Work Group (2021- present)
  - Member, American Academy of Health Behavior (AAHB) (2021- present)
  - President, Student Nutrition Group, University of South Carolina (2020-2021)
  - Student Affiliate, Nutrition Consortium, University of South Carolina (2019-2021)
- **Abstract Reviewer**
  - American Academy of Health Behavior (2022)
  - American Public Health Association (2020)
  - Active Living Conference (2019)
- **Poster Reviewer**
  - Nutrition Consortium Research Symposium, University of South Carolina (2020)
  - Discover USC (University of South Carolina) Undergraduate Research Posters (2019)
- **Manuscript Reviewer**
  - Leisure Science, 2023
  - Journal of Public Health Management & Practice, 2023
  - Journal of Rural Health, 2023
  - Contemporary Clinical Trials, 2022
  - Annals of Epidemiology, 2020
  - Journal of Community Development, 2017, 2018

#### PEER-REVIEWED PUBLICATIONS:

1. Bernhart JA, **Wende ME**, Kaczynski AT, Dunn CG, Wilcox S, Hutto B. (2019) Assessing the walkability environments of churches in a rural southeastern county of the United States. *Journal of Public Health Management & Practice*, 28(1), E170-E177. <http://doi.org/10.1097/PHH.0000000000001076>, PMID: 31688738
2. Regan EW, **Wende ME**, Blake C, Fritz SL. (2020) Yoga for Everyone: A qualitative study of a community yoga class for people with disability. *Physiotherapy Theory and Practice*, 38(3), 401-411. <https://doi.org/10.1080/09593985.2020.1765438>, PMID 32419567
3. **Wende ME**, Stowe EW, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M, Hughey SM, Kaczynski AT. (2020) Spatial clustering patterns and regional variations for food and physical activity environments across the United States. *International Journal of Environmental Health Research*, 31(8), 976-990. <http://dx.doi.org/10.1080/09603123.2020.1713304>, PMID: 31964175

4. **Wende ME**, Kaczynski AT, Bernhart J, Dunn C, Wilcox S. (2020) Objective church environment audits and attendee perceptions of healthy eating and physical activity supports within the church setting. *International Journal of Environmental Research and Public Health*, 17(10), 3598. <https://doi.org/10.3390/ijerph17103598>, <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7277806/>
5. Kaczynski AT, Eberth JM, Stowe EW, **Wende ME**, Liese AD, McLain AC, Breneman C, Josey M. (2020) Development of a childhood obesogenic environment index: national differences by region and rurality. *International Journal of Behavioral Nutrition and Physical Activity*, 17(1), 83. <https://doi.org/10.1186/s12966-020-00984-x>, <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7330993/>
6. **Wende ME**, Liu J, McLain A, Wilcox S. (2020) Gestational weight gain disparities in South Carolina: Temporal trends, 2004-2015. *Paediatric and Perinatal Epidemiology*, 35(1), 37-46 <https://doi.org/10.1111/ppe.12706>, PMID: 33196107
7. Kaczynski AT, Hughey SM, Stowe EW, **Wende ME**, Hipp A, Oliphant EL, Schipperijn J. (2020) ParkIndex: Validation and application of a standardized metric of park access and use. *Preventive Medicine Reports*. 20, 101218. <https://doi.org/10.1016/j.pmedr.2020.101218>, <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7744752/>
8. Hallum SH, Hughey SM, **Wende ME**, Stowe EW, Kaczynski AT (2020) Healthy and unhealthy food environments are linked with neighbourhood socio-economic disadvantage: an innovative geospatial approach to understanding food access inequities. *Public Health Nutrition*, 23(17), 3190-3196. <https://doi.org/10.1017/S1368980020002104>
9. Hughey SM, **Wende ME**, Stowe EW, Kaczynski AT, Schipperijn J, Hipp JA. (2021) Frequency of neighborhood park use is associated with physical activity among adults in four U.S. cities. *Journal of Physical Activity & Health*, 18(5), 603-609. <https://doi.org/10.1123/jpah.2020-0540>, PMID: 33785658
10. **Wende ME**, Alhasan DM, Hallum SH, Stowe EW, Eberth JM, Liese AD, Breneman C, McLain AC, Kaczynski AT. (2021) Incongruity of youth food and physical activity environments in the United States: Variations by region, rurality, and income. *Preventive Medicine*, 148, 106594. <https://doi.org/10.1016/j.ypmed.2021.106594>, PMID: 33932474
11. Kornbluh M, Hallum SH, **Wende ME**, Herrnstadt Z, Kaczynski AT. (2021) Examining Disparities in Food Access Between Historically Black Colleges and Universities and Non-Historically Black Colleges and Universities. *American Journal of Health Promotion*, 36(1), 165-168. DOI: 10.1177/08901171211024412, PMID: 34105398
  - **Featured:** Kelly, R., Pirog, R., Carr, K., Guel, A., Henderson, J., Wilcox, K., Wimberg, T., García Polanco, V., Babayode, D., Watson, K., & Nelson, E. (2022). An annotated bibliography on structural racism present in the U.S. food system (9th ed.). *Michigan State University Center for Regional Food Systems*. [https://foodsystems.msu.edu/resources/structural\\_racism\\_in\\_us\\_food\\_system](https://foodsystems.msu.edu/resources/structural_racism_in_us_food_system)
12. Zgodic A, Eberth JM, Breneman C, **Wende ME**, Kaczynski AT, Liese AD, McLain AC. (2021) Estimates of childhood overweight and obesity at the region, state, and county levels: a multilevel small area estimation approach. *American Journal of Epidemiology*, 190(12), 2618-2629. <https://doi.org/10.1093/aje/kwab176>, PMID: 34132329
13. **Wende ME**, Stowe EW, Hallum SH, Eberth JM, Liese AD, Kaczynski AT. (2021) Exploring disparities in youth physical activity environments by income and Non-Hispanic White population across the United States. *Journal of Public Health Management and Practice*, 28(2), E630-E634. DOI: 10.1097/PHH.0000000000001399, PMID: 34225308
14. **Wende ME**, Umstattt Meyer MR, Abildso C, Davis K, Kaczynski AT. (2022) Urban-rural disparities in childhood obesogenic environments in the United States: Application of differing rural definitions. *The Journal of Rural Health*. 1-18. DOI:10.1111/jrh.12677

15. **Wende ME**, Wilcox S, Rhodes Z, Kinnard D, Turner-McGrievy G, McKeever BW, Kaczynski AT. (2022) Development of criteria for research translation in community settings: A systematic review informed by the Knowledge to Action Framework. *Implementation Science Communications*. <https://doi.org/10.1186/s43058-022-00316-z>
16. **Wende ME**, Lohman M, Friedman D, McLain AC, Sarto GE, Shadyab AH, Bird CE, Chrisinger BW, Pan K, Garcia L, Kaczynski AT. (2023) Neighborhood socioeconomic status, green space, and walkability and risk for falls among postmenopausal women: The Women's Health Initiative. *Women's Health Issues*. <https://doi.org/10.1016/j.whi.2023.03.009>
17. Kaczynski AT, **Wende ME**, Hughey SM, Stowe EW, Schipperijn J, Hipp A, Koohsari MJ. (2023) Association of composite park quality with park use in four diverse cities. *Preventive Medicine Reports*. doi: [10.1016/j.pmedr.2023.102381](https://doi.org/10.1016/j.pmedr.2023.102381)
18. Bridges Hamilton CR, Ylitalo KR, **Wende ME**, Sharkey JR, Umstadd Meyer MR. (2023) Depressive symptoms and their longitudinal impact on physical activity and sedentary behaviors among Mexican-Heritage children. *Family and Community Health*. DOI: [10.1097/FCH.0000000000000388](https://doi.org/10.1097/FCH.0000000000000388)

#### MANUSCRIPTS UNDER REVIEW:

1. Stroepe J, Gabbert K, John DH, Orzech, KM, Umstadd Meyer MR, **Wende ME**, Kellstedt D. (revised and resubmitted) A Multi-State Perspective on Advancing Active Living Contexts through the Cooperative Extension System. *Submitted to Health Promotion Practice*.
2. **Wende ME**, Hughey SM, Hallum SH, Hipp JA, Schipperijn J, Stowe EW, Kaczynski AT. (under review) Identifying multilevel predictors of behavioral outcomes like park use: A comparison of conditional and marginal modeling approaches. Submitted to *PLOS ONE*.
3. **Wende ME**, Umstadd Meyer MR, Perry C, Prochnow T, Bridges Hamilton CN, Abildso CG, Pollack Porter KM. (under review) Rural Play Streets implementation characteristics that promote sustainability: Qualitative findings from community partners. Submitted to the *Implementation Science Communications*.
4. Kaczynski AT & **Wende ME**. (under review) Disparities in Obesogenic Environments by Income, Race/Ethnicity, and Rurality Across All US Counties. *Submitted to American Journal of Preventive Medicine*.
5. Hallum SH, **Wende ME**, Thomas K, Chupak AL, Witherspoon E, Kaczynski AT. (under review) Unearthing inequities in the relationship between multiple sociodemographic factors and diverse elements of park availability and quality in a major Southern metropolitan region. *Submitted to Urban Geography*.

#### MANUSCRIPTS IN DEVELOPMENT:

1. Umstadd Meyer MR, Prochnow T, **Wende ME**, Ylitalo KR, Sturdivant R, Delgado H, Trost S., Gomez L, Johnson C, Sharkey JR. ¡Haz Espacio para Papi! (Make Room for Daddy) program: findings on a culturally specific physical activity behavior change program among Mexican-heritage children, fathers, and mothers. *To be submitted to the International Journal of Behavioral Nutrition and Physical Activity in December 2023*.
2. **Wende ME**, Lohman M, Friedman D, McLain AC, Crandall C, Cauley JA, Allison M, Shadyab AH, Sealy-Jefferson S, Garcia L, Follis S, Cannell B, Kaczynski AT. Neighborhood socioeconomic status, green space, and walkability and risk for fracture among postmenopausal women: The Women's Health Initiative. *To be submitted to Health and Place in December 2023*.
3. Hallum SH, Chupak AL, **Wende ME**, Stowe EW, Davis K, Kaczynski AT. Association Between Socioeconomic Disadvantage and Neighborhood Walkability Across the United States. *To be submitted to Preventing Chronic Disease in January 2024*.
4. Umstadd Meyer MR, Houghtaling B, **Wende ME**, Kheshiafaty K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Lopez Morgan R, Krey K. (under review) A Scoping Review of Policies to Encourage



Breastfeeding, Healthy Eating, and Physical Activity Among Rural People and Places in the United States: Opportunities for Surveillance. *To be submitted to the International Journal of Behavioral Nutrition and Physical Activity in January 2024.*

5. **Wende ME**, Houghtaling B, Krey K, Khshaifaty K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Umstaddt Meyer MR. A Scoping Review of Subjective Environmental Factors related with Breastfeeding, Healthy Eating, and Physical Activity Supports in the rural United States. *To be submitted to the Journal of Rural Health in January 2024.*
6. **Wende ME**, Houghtaling B, Krey K, Khshaifaty K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Umstaddt Meyer MR. A Scoping Review of Objective Environmental Factors related with Breastfeeding, Healthy Eating, and Physical Activity Supports in the rural United States. *To be submitted to the Journal of Rural Health in January 2024.*
7. Khshaifaty K, **Wende ME**, Houghtaling B, Krey K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Umstaddt Meyer MR. A Scoping Review of Systems Approaches to Promote Breastfeeding, Healthy Eating, and Physical Activity Supports in the rural United States. *To be submitted to the Journal of Rural Health in February 2024.*
8. **Wende ME**, Umstaddt Meyer MR, Enriquez S, Bridges Hamilton C, Prochnow T, Sharkey JR. Strategies for paternal and child physical activity: application of the social-ecological model to dyadic interviews among Mexican heritage fathers. *To be submitted to the Journal of Physical Activity and Health in February 2024.*
9. Umstaddt Meyer MR, **Wende ME**, Davis K, Stroope J, Gabbert K, John DH, Orzech, KM, Kellstedt D, Abildso C. Revisiting the Rural Active Living Call to Action. *To be submitted to Preventive Medicine in March 2024.*
10. **Wende ME**, Alhasan DM, Islam F, Umstaddt Meyer MR. Pedestrian Safety & Walkability: Examining Relationships Across the Rural Continuum. *To be submitted to Health & Place in March 2024.*
11. Alhasan D, **Wende ME**, Williams PC, Hirsch JA, Miller MC, Jackson CL. Spatial patterning of dementia prevalence and incidence in South Carolina counties by Sex/Gender, Race/Ethnicity, and Age. *To be submitted to Social Science and Medicine in March 2024.*

**PRESENTATIONS:** (\* INDICATES WHEN I WAS THE PRESENTER OR CO-PRESENTER)

1. **\*Wende ME**, Feng X. Maternal depression and autobiographical memory in mothers and their children. Poster presented at the *Annual Ohio State University Denman Forum*, March 25, 2015, Columbus, OH.
2. Dahl AA, **Wende M**, Turner-McGrievy G, Qiao S, Wilcox S, Liu J, Davis R. Integration of technology in lifestyle interventions focused on weight gain during pregnancy: A systematic review. Paper presented at the annual conference of the *Society of Behavioral Medicine*, April 11-14, 2018, New Orleans, LA.
3. **\*Wende ME**, Regan E. Yoga for everyone: a qualitative study of a community yoga class for people with disability. Poster presented at the annual *University of South Carolina Discovery Day*, April 20, 2018, Columbia, SC.
4. Schipperijn J, Hipp A, Stowe EW, Hughey SM, **Wende ME**, Oliphant EL. ParkIndex: a Standardized GIS-based Park Access Tool. Presented at the *7<sup>th</sup> International Society for Physical Activity and Health Congress*, London, UK, October 15-17, 2018.
5. **\*Wende ME**, Liu J, McLain A, Wilcox S. Trends in Gestational Weight Gain in South Carolina, 2004 - 2015. Poster presented at the *American Public Health Association Annual Meeting*, November 10-14, 2018, San Diego, CA.
6. Schipperijn J, Hughey, SM, **Wende ME**, Hipp A., Stowe EW, Kaczynski AT. ParkIndex: a novel tool to predict the use of parks. Presented at the *Active Living Research conference*, February 17-20, 2019, Charleston, SC

7. **\*Wende ME**, Kaczynski AT, Dunn C, Bernhart J, Wilcox S. Church environment relationship with perceptions, self-efficacy, and physical activity and healthy eating behaviors of church attendees. Poster presented at the *Active Living Conference*, February 17-20, 2019, Charleston, SC.
8. **\*Wende ME**, Liu J, McLain A, Wilcox S. Trends in Gestational Weight Gain in South Carolina, 2004-2015. Poster presented at the *Carolina Women's Health Research Forum*, March 8, 2019 Columbia, SC.
9. **\*Wende ME**, Kaczynski AT, Stowe EW, Hughey SM, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M. Examining spatial clustering patterns and regional variations for healthy eating environments in the United States. First place oral presentation at *University of South Carolina Annual Nutrition Consortium Research Symposium*, March 22, 2019 Columbia, SC.
10. Kaczynski AT, Stowe EW, **Wende ME**, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M. Development of a County-Level Childhood Obesogenic Environment Index across the United States. Poster presented at the *International Society of Behavioral Nutrition and Physical Activity Annual Meeting*, June 4-7, 2019, Prague, Czech Republic.
11. **\*Wende ME**, Kaczynski AT, Stowe EW, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M. Development of a County-Level Childhood Obesogenic Environment Index across the United States. Poster presented at the *4<sup>th</sup> Annual Arnold Childhood Obesity Lecture Series*, September 19, 2019, Columbia, SC.
12. Stowe EW, **\*Wende ME**, Kaczynski AT, Eberth JM, Liese AD, McLain AC, Breneman C, Josey M. Childhood Obesogenic Environment Index: Region and Rurality Differences Across the United States. Poster presentation at the *American Public Health Association Annual Meeting*, November 2-6, 2019, Philadelphia, PA.
13. **\*Wende ME**, Kaczynski AT, Stowe EW, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M. Examining spatial clustering patterns and regional variations for physical activity environments in the United States. First place oral presentation for the physical activity section at the *American Public Health Association Annual Meeting*, November 2-6, 2019, Philadelphia, PA.
14. **\*Wende ME**, Stowe EW, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M, Kaczynski AT. The state of food and physical activity environments in the United States: an examination of geographic variation and environment congruence. Oral presentation at *Active Living Conference*, February 2-5, 2020, Orlando, FL.
15. Stowe EW, **\*Wende ME**, Eberth JM, Breneman CB, Josey MJ, Liese AD, McLain AC, Kaczynski AT. Exploring child physical activity environments by income, race/ethnicity, and segregation across the United States. Poster presentation at the *Active Living Conference*, February 2-5, 2020, Orlando, FL.
16. **\*Wende ME**, Stowe EW, Eberth JM, McLain AC, Liese AD, Breneman C, Josey M, Kaczynski AT. Identifying South Carolina counties in need of intervention for physical activity and food environments. Oral presentation at the *South Carolina Public Health Association Annual Conference*, April 21-23, 2020, Myrtle Beach, SC. [Cancelled due to COVID-19 outbreak]
17. Hallum SH, Hughey SM, Stowe EW, **Wende ME**, Kaczynski AT. Positive & negative food environments are linked with neighborhood socioeconomic disadvantage: An innovative geospatial approach to understanding food access inequities. Presented at the *2020 Nutrition Symposium*, September 18, 2020, Columbia, SC.
18. **\*Wilcox S**, **\*Wende ME**. Application of the Knowledge to Action framework. Presented at University of South Carolina *Physical Activity and Public Health* virtual professional development meeting, September 16, 2020.
19. **\*Wilcox S**, **\*Wende ME**. (November, 2020) Developing Criteria for the Decision to Translate Programs and Products: Use of the Knowledge to Action Framework. Presented at the *Prevention Research Center Network Monthly Webinar*, November 19, 2020.
20. **\*Hughey SM**, **Wende ME**, Benton J, Hipp A. Bridging the Ashley: Designing a natural experiment study to examine impacts of a bicycle and pedestrian bridge in Charleston, SC. Oral presentation at *Active Living Conference*, April 6-9, 2021, Virtual.

21. \*Kaczynski, AT, **Wende, ME.**, Schipperijn, J., Hughey, SM, Stowe, E, & Hipp, JA. Association of composite park quality with park use in four diverse cities. Poster presentation at the *American Public Health Association 168<sup>th</sup> Annual Meeting*, October 24-27, 2022, Denver, CO.
22. \***Wende ME**, Umstadd Meyer MR, Kaczynski AT. Urban-rural disparities in childhood obesogenic environments in the United States: Application of differing rural definitions. First place “Outstanding Research Poster” presentation at the *American Academy of Health Behavior Annual Scientific Meeting*, March 13-16, 2022, Key Largo, FL.
23. \*Kaczynski AT, **Wende ME**, Eberth JM, Liese AD, McLain AC, Stowe EW, Hallum SH, Davis K, Umstadd Meyer MR. Disparities in Obesogenic Environments by Income, Race/Ethnicity, and Rurality Across All US Counties. Poster presentation at the *American Academy of Health Behavior Annual Scientific Meeting*, March 13-16, 2022, Key Largo, FL.
24. \***Wende ME**, \*Hughey, SM, \*Umstadd Meyer MR, & \*Hipp, JA. Natural experiments for physical activity research: creating competitive study designs to better evaluate environmental changes. Workshop presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, May 18-21, 2022, Phoenix, AZ.
25. \***Wende ME**, Hughey SM, Hallum SH, Hipp A, Schipperijn J, Stowe EW, Kaczynski AT. Methods for analyzing cross classified data on park use: a comparison of random effects and marginal models. Poster presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, May 18-21, 2022, Phoenix, AZ.
26. \***Wende ME**, Houghtaling B, Krey K, Khshaifaty K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Umstadd Meyer MR. A Scoping Review of Subjective Environmental Factors related with Breastfeeding, Healthy Eating, and Physical Activity Supports in the rural United States. Poster presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, May 18-21, 2022, Phoenix, AZ.
27. \*Umstadd Meyer MR, Houghtaling B, **Wende ME**, Khshaifaty K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Lopez Morgan R, Krey K. A Scoping Review of Policies to Encourage Breastfeeding, Healthy Eating, and Physical Activity Among Rural People and Places in the United States. Poster presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, May 18-21, 2022, Phoenix, AZ.
28. \*Umstadd Meyer MR, **Wende ME**, Perry C, Prochnow T, Bridges Hamilton CN, Abildso CG, Pollack Porter KM. Rural Play Streets implementation characteristics that promote program sustainability: Qualitative findings from community partners. Poster presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, May 18-21, 2022, Phoenix, AZ.
29. \*Kaczynski, AT, Hallum, S, **Wende, ME**, Stowe, EW, Davis, K, & Chupak, A. Association between socioeconomic disadvantage & neighborhood walkability across the United States. Poster presentation at the *American Academy of Health Behavior Annual Scientific Meeting*, March 12-15, 2023, San Francisco, CA.
30. \*Umstadd Meyer MR, **Wende ME**, Prochnow T, Ylitalo KR, Delgado H, Johnson C, Gómez L, Sharkey J. Social outcomes of a culturally tailored, family-centered health promotion program for Mexican-heritage families: ¡Haz Espacio para Papi! (Make Room for Daddy). Poster presentation at the *American Academy of Health Behavior Annual Scientific Meeting*, March 12-15, 2023, San Francisco, CA.
31. \*Stroope J, Gabbert K, John DH, Orzech, KM, Umstadd Meyer MR, **Wende ME**, Kellstedt D. A Multi-State Perspective on Advancing Active Living Contexts through the Cooperative Extension System. Oral presentation at the *Active Living Conference*, March 13-16, 2023, Bethesda, MD.

32. **\*Wende ME**, \*Umstatted Meyer MR, & \*Stroope J, \*Janda K, \*Johnson C. Engaging vulnerable or marginalized populations in health behavior research: ethical considerations and lessons learned. Workshop presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, June 14-17, 2023, Uppsala, Sweden.
33. **\*Wende ME**, Kaczynski AT, Stowe EW, McLain AC. Weighting and Validation of the Childhood Obesogenic Environment Index in the United States. Oral presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, June 14-17, 2023, Uppsala, Sweden.
34. **\*Wende ME**, Alhasan DM, Umstatted Meyer MR. Pedestrian Safety & Walkability: Examining Relationships Across the Rural Continuum. Poster presentation at the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, June 14-17, 2023, Uppsala, Sweden.
35. Balis L, Clausen W, Houghtaling B, Lane H, **Wende M**, Pereira E, McLoughlin G, Harden S. Introducing ISAC: Implementation strategies adapted for communities. Poster presented at: *16th Annual Conference on the Science of Dissemination and Implementation*. Washington, DC. December 2023.
36. **Wende ME**, Umstatted Meyer MR, Enriquez S, Bridges Hamilton C, Prochnow T, Sharkey JR. Strategies for paternal and child physical activity: application of the social-ecological model to dyadic interviews among Mexican heritage fathers. Submitted to the *American Academy of Health Behavior Annual Scientific Meeting*, April 14-17, 2024, Savannah, GA.
37. Hesam Shariati F, Hallum SH, **Wende ME**, Thomas KM, Chupak AL, Witherspoon E, & Kaczynski AT. Unearthing inequities in the relationship between multiple sociodemographic factors and diverse elements of park availability and quality in a major Southern metropolitan region. Submitted to the *American Academy of Health Behavior Annual Scientific Meeting*, April 14-17, 2024, Savannah, GA.
38. **Wende ME**, Umstatted Meyer MR, Abildso C, Davis K, Kaczynski AT. (2023) Urban-rural disparities in childhood obesogenic environments in the United States: Application of differing rural definitions. *Oral presentation at the Physical Activity Policy Research and Evaluation Network Rural Active Living Workgroup Meeting*, November 8, 2023, Virtual.
39. **Wende ME**, Houghtaling B, Krey K, Kheshiafaty K, Delgado H, Eze S, Mecate C, Summerall Woodward R, Umstatted Meyer MR. A Scoping Review of Objective Environmental Factors related with Breastfeeding, Healthy Eating, and Physical Activity Supports in the rural United States. Submitted to the *Active Living Conference*, March 25-28, 2024, Chattanooga, TN.
40. **Wende ME** & Kaczynski AT. State and local government funding is associated with healthy environments and behaviors across the United States. Submitted to the *International Society of Behavioral Nutrition and Physical Activity Annual Scientific Meeting*, May 20-23, 2024, Omaha, Nebraska.

## GRANT FUNDING:

### Funded

University of South Carolina Office of the Vice President for Research (Re-submission)

Wende (PI)

05/01/21 - 05/01/22

#### **Neighborhood socioeconomic status, green space, and walkability and risk for fracture among postmenopausal women: The Women's Health Initiative**

The purpose of the proposed study is to assess whether neighborhood SES, walkability, and green space have a significant impact on fracture incidence among postmenopausal women, and to assess important modifiers for these longitudinal relationships, such as fall history, PA, frailty, race/ethnicity, and age.

Role: Principal Investigator

Amount requested: \$4,922 to support my dissertation research  
Submitted: October 2020

University of South Carolina Advanced Support for Innovative Research Excellence (ASPIRE)  
Kaczynski (PI)  
07/01/20 - 09/30/21

**Baseline evaluation of a major park renovation natural experiment to improve diverse health outcomes in Columbia, SC**

This quasi-experimental study engaged diverse community stakeholders to understand challenges and opportunities for Finlay Park in Columbia, SC and collect baseline information on environmental resources and related health behaviors and outcomes that may be impacted by the Finlay Park renovation.

Role: Co-investigator  
Amount requested: \$14,988  
Submitted: January 2020

University of South Carolina Office of the Vice President for Research, Racial Justice and Equity Research Fund  
Kaczynski (PI)  
01/01/22 - 12/31/22

**Green Justice: Examining socioeconomic and racial/ethnic disparities in access to quality parks across Columbia, SC**

This quasi-experimental study collected park access and quality data on all 74 parks in the Greater Columbia Area to examine inequities in park access according to neighborhood socioeconomic status and race/ethnicity.

Role: Co-investigator  
Amount requested: \$14,876  
Submitted: January 2022

Dr. Benjamin Brown IV Fund for Interdisciplinary and Collaborative Scholarship  
Umstattd Meyer (PI)  
06/01/22 - 05/31/23

**Play Streets: preliminary research evaluating youth physical activity, community connectedness, and implementation in rural communities**

This pilot study assessed the feasibility of accelerometer use among children in Louisiana and refine survey and focus group protocols for future funding opportunities.

Role: Co-investigator  
Amount requested: \$25,000  
Submitted: March 2022

Nutrition & Obesity Policy Research and Evaluation Network, Centers for Disease Control and Prevention  
Peritore & Lenstra (Co-PIs)  
06/01/22 - 05/31/23

**Play Streets: preliminary research evaluating youth physical activity, community connectedness, and implementation in rural communities**

This project will achieve three aims: 1) Characterize the state of current healthy eating and active living programming at libraries in rural communities across the U.S, 2) Explore barriers to, facilitators of, and strategies for implementing and sustaining library-based HEAL programming in rural communities, and 3) Use implementation science frameworks to describe the mechanisms and strategies by which library-based HEAL programming can be implemented and sustained in rural U.S. communities, with exemplars.

Role: Co-investigator  
Amount requested: \$12,000  
Submitted: June 2023

### Under review

National Institutes of Health: National Institute on Aging (R01)  
Kelly R. Ylitalo (PI)  
09/01/23 - 8/30/28

#### **Novel applications for measurement of physical functioning, physical activity, and the environment to inform fall prevention.**

The proposed study will quantify the prevalence of and changes in physical functioning and fear of falling in community-dwelling older adults, assess the relationship between fear of falling, PA, and incident and recurrent falls, and describe the role of the built environment in the relationship of fear of falling, PA, and falls.

Role: Co-investigator

Amount requested: \$1,561,729

Submission: February 2023

National Cancer Institute (R21)  
Wende & Adams (MPI)  
12/01/24 - 11/30/29

#### **Microscale walkability: investigating a cost-effective solution for active aging and fall prevention in rural communities.**

The purpose of the proposed study is to develop machine learning methodologies for conducting rural walkability audits and test the relationship between microscale walkability and physical activity among community-dwelling older adults in the rural United States. Finally, we will determine if disparities in microscale walkability nationally.

Role: Principal investigator

Amount requested: \$275,000

Submission: October 2023

College of Health & Human Performance AI Collaborative Research Projects  
Wende (PI)  
12/01/23 - 11/30/24

#### **Our Trails & Greenways are Underwater: Feasibility of Using Drones and GeoAI to Document and Audit Trails & Greenways After Flooding**

The purpose of the proposed study is to use geospatial artificial intelligence to audit trail/greenway conditions and count users with greater specificity, speed, reliability, safety, and feasibility compared to person-led audits. AI classifiers have already been developed and are publicly available to count trail/greenway users. Therefore, we will leverage these existing AI classifiers to assess how well they perform in trail/greenway environments and explore opportunities to develop new AI classifiers. We will collect images using unmanned aerial vehicle (or drone) devices that can capture trail/greenway conditions even when they may be inaccessible to people. Role:

Principal investigator

Amount requested: \$24,818

Submission: November 2023

### Submitted, Not Funded

National Institutes of Health  
Kaczynski (PI)  
09/01/21 - 08/01/25

#### **ParkIndex: Validation of an innovative metric of park access and use for advancing environmental justice and community health**

The purpose of the proposed study is to validate the ParkIndex in a nationally representative sample, and assess its use for identifying income and racial/ethnic disparities, as well as relating those disparities to important individual and community level health behaviors and outcomes.

Role: Co-investigator  
Amount requested: \$2,697,923  
Submitted: December 2020

Robert Wood Johnson Foundation  
Hughey (PI)  
09/01/21 - 12/31/24

**Bridging to Ashley: A natural experiment examining the physical activity, active transportation, and safety impacts of a bicycle-pedestrian bridge**

The purpose of the proposed study is to examine the impacts of a pedestrian bridge intervention on individual- and area-level physical activity, active transportation patterns, and bicycle-pedestrian crashes compared to two matched comparison sites in Charleston, SC.

Role: Co-investigator  
Submitted: July 2021

National Cancer Institute, National Institutes of Health  
Umstattd Meyer (PI)  
12/01/22 - 11/30/24

**Play Streets: Evaluating youth physical activity, community connectedness, and implementation in rural communities**

The purpose of the proposed study is to examine accelerometer-measured child PA and community connectedness outcomes and evaluate the existing implementation guide by documenting implementation characteristics for a rural Extension-led Louisiana Play Streets program during summer and school time periods.

Role: Co-investigator  
Amount requested: \$373,089  
Submitted: February 2022

Extramural Loan Repayment Program for Health Disparities Research (LRP-HDR)  
Wende (PI)  
09/01/22-08/30/25

**Environmental Surveillance and Research to Empower Rural Youth Towards Healthy Behaviors**

This loan repayment program proposal focuses on identifying the relationship between walkability and pedestrian crashes and examining physical activity promotion strategies among fathers in rural Texas.

Role: Principal Investigator  
Submission: November 2022

National Institute of Nursing Research, National Institutes of Health (R15)  
Umstattd Meyer (PI)  
12/01/24 - 11/30/26

**All Children Need Safe Places to Play and be Active! Examining Health and Implementation Science Outcomes of Multilevel Physical Activity Play Streets Interventions in Underserved Rural Louisiana**

The proposed study will examine the impact of Play Streets on community-level physical activity and social cohesion and evaluate implementation strategies that increase the sustainability of Play Streets.

Role: Co-investigator  
Amount requested: \$300,000  
Submission: June 2023

National Institute of Nursing Research, National Institutes of Health (R21)  
Umstattd Meyer (PI)  
1/01/24 - 12/30/25

**Addressing the Crisis of Social Isolation and Sedentary Behavior among Preadolescents: Mental**

**Health and Implementation Science Outcomes of Play Streets Interventions in Rural Communities**

The proposed study will examine the impact of Play Streets on physical activity, social connections, and mental health outcomes among preadolescent youth and evaluate implementation strategies that engage 4-H youth.

Role: Co-investigator

Amount requested: \$275,000

Submission: June 2023

**SPECIAL TRAINING:**

- Didactic Training on Responsible Conduct of Research (RCR) with Deborah Holland, Assistant Vice Provost for Research, at Baylor University (2021)
- CITI: Collaborative Institutional Training Initiative (2013, 2016, 2019, 2021)
- Teaching Assistant Development Training, Center for Teaching Excellence (2017)
- Infant anthropometric measurement training (2017)

**RELEVANT GRADUATE LEVEL COURSES – University of South Carolina**

**Cumulative GPA: 4.0**

- BIOS 710: Effective Date Management for Public Health
- EPID 770: Social Epidemiology
- EPID 741: Intermediate Epidemiologic Methods
- BIOS 757: Intermediate Biometrics
- EPID 763: Nutritional Epidemiology
- BIOS 754: Discrete Data Analysis
- EPID 794: Geographic Information Systems and Public Health
- HPEB 810: Applied Measurement in Health Education Research
- EPID 788: Practical Methods for Secondary Data Analysis
- HPEB 771: Socio-cultural perspectives in public health practice
- HPEB 824: Social and Physical Interventions in Health Promotion
- HPEB 818: Advanced Evaluation of Health Promotion Programs
- EXSC 754: Community- Based Physical Activity Interventions
- EPID 802: Epidemiological Methods III (Grant Writing)
- BIOS 755: Introduction to Longitudinal and Multilevel Modeling