

# MIKAEL ANNE GREENWOOD-HICKMAN, MPH

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## EDUCATION

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- MPH** University of Washington, Epidemiology June 2014  
Thesis: *“Physical Activity Program Participation and the Risk of Falls for Older Group Health Members.”*  
Committee: Annette Fitzpatrick (chair), Dori Rosenberg, Elizabeth Phelan
- BS** Indiana University, Biology May 2011
- BA** Indiana University, Anthropology  
*With Honors and Highest Distinction*

## PROFESSIONAL EXPERIENCE

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- Senior Collaborative Scientist** 2024 to present  
Kaiser Permanente Washington Health Research Institute, Seattle WA
- Collaborative Scientist II** 2021 to 2024  
Kaiser Permanente Washington Health Research Institute, Seattle WA
- Research Project Manager** 2017 to 2021  
Kaiser Permanente Washington Health Research Institute, Seattle WA
- Research Project Coordinator** 2016 to 2017  
Fred Hutchinson Cancer Research Center, Seattle WA
- Data Manager** 2014 to 2016  
Carolina Mammography Registry, University of North Carolina, Chapel Hill NC
- Student Research Intern** 2013 to 2014  
Group Health Research Institute, Seattle WA
- Graduate Research and Teaching Assistant** 2012 to 2014  
University of Washington, Seattle WA

## MEMBERSHIPS

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- Gerontological Society of America: 2021 – present

- International Society for the Measurement of Physical Behavior – 2021 – present
- International Society for Behavioral Nutrition and Physical Activity – 2022 – present
- American Public Health Association: 2021 – 2022

## **ORGANIZATIONAL SERVICE**

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- 2023 – present: Faculty representative for the KPWHRI HIPAA Consultancy
- 2021 – 2022: Search committee Co-Chair, ACT U19 Research Associate position
- 2021: Search committee, Research Project Management Office Manager position
- 2020 – 2021: Primary peer mentor for 3 Research Project Managers new to KPWHRI
- 2019 – 2020: KPWHRI Portfolio and Effort Management Working Group
- 2017 – 2018: KPWHRI Culture of Openness Task Force Assignment Notification Working Group

## **EDITORIAL RESPONSIBILITIES**

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**Journal for the Measurement of Physical Behaviour**, member of Editorial Board, 2022 – present

### **Ad-hoc Manuscript Peer Review:**

- J Journal for the Measurement of Physical Behaviour
- Frontiers in Psychology
- BMC Geriatrics
- Journal of Physical Activity and Health
- International Journal of Behavioral Nutrition and Physical Activity
- Journal of Transportation and Health
- Preventive Medicine Reports
- Social Science & Medicine
- Health Education & Behavior
- Journal of Medical Internet Research: mHealth and uHealth
- Gerontology & Geriatric Medicine
- BMC Public Health
- Journal of Medical Internet Research
- Preventing Chronic Disease
- Journal of Medical Internet Research: Formative Research
- Scientific Reports
- Journal of Aging & Physical Activity
- Health Promotion and Chronic Disease Prevention in Canada

## **RESEARCH FUNDING**

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### **Current**

NIA  
1U19AG066567-01A1 (McEvoy\*, Crane, & LaCroix)

5/15/2021-4/30/2026  
\$55,639,060 (total cost)

Adult Changes in Thought (ACT) Research Program

Role: Collaborative Scientist (35% FTE)

\*Contact PI

NIA

1R01AG069734-01 (Dublin\* and Barnes)

Low-cost detection of dementia using electronic health records data: validation and testing of the eRADAR algorithm in a pragmatic, patient-centered trial.

Role: Collaborative Scientist (20% FTE)

\*Contact PI

9/30/2020-5/31/2025

\$4,136,047 (total cost)

NIA

1R01AG067427-01 (Dublin\* and Barnes)

Identifying and supporting patients with undiagnosed dementia using the EHR Risk of Alzheimer's and Dementia Assessment Rule (eRADAR): a pilot clinical trial

Role: Collaborative Scientist (10% FTE)

\*Contact PI

7/15/2020-4/30/2024

\$3,098,307 (total cost)

NIA

1R61AG077969-01/ 4R33AG077969-02 (Rosenberg\* and Zlatar)

De Pié y a Movernos Study: Promoting physical activity in older Latinx adults

Role: Co-Investigator (20% FTE)

\*Contact PI

9/30/2022-5/31/2027

\$3,158,634 (total cost)

NHLBI

1R01HL166292-01 (Harrington)

Venous Thromboembolism Sequelae in a Population-based Inception Cohort

Role: Collaborative Scientist (15% FTE)

6/1/2023-5/31/2028

\$4,070,912 (total cost)

NHLBI

R01 (Natarajan)

Leveraging deep learning to classify sitting posture and measure sedentary patterns from accelerometer data in diverse cohorts

Role: Co-Investigator (5% FTE)

12/10/2023-11/30/2027

\$2,761,721 (total cost)

**Past**

NHLBI

5R01HL132880-04 (Rosenberg)

Randomized Trial to Reduce Sitting Time and Improve Cardiometabolic Health in Obese Older Adults

Role: Collaborative Scientist (15% FTE)

6/1/2018-3/31/2024

\$2,761,552 (total cost)

NIDDK  
5R01DK114945-03 (Natarajan)  
Novel computational techniques to detect the relationship between  
sitting patterns and metabolic syndrome in existing cohort studies  
Role: Co-investigator (5% FTE)

9/15/2018-8/31/2023  
\$2,012,467 (total cost)

## MENTORING RESPONSIBILITIES

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- 2022-2023 - Orientation Mentor: Nicole Gatto
- 2021-2024 – Provide data analysis and manuscript development mentorship for UW Health Services PhD Candidate: Stefani Florez-Acevedo
- 2022 - Provide data analysis and manuscript development mentorship for UCSF Post-Baccalaureate student: Victoria Frager
- 2020 – Provided qualitative data collection and analysis mentorship to UW MPH candidate: Jacky Dahlquist

## PUBLICATIONS

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### *Peer-Reviewed Publications*

#### 2024

1. **Greenwood-Hickman MA**, Yarborough L, Shulman L, Arterburn DE, Cooper JB, Delaney K, Estrada C, Green BB, Holden E, McClure JB, Romero D, Rosenberg DE. (2024). Understanding goal setting and behavior change mechanics in an older adult sitting reduction intervention. *American Journal of Health Promotion*. Online ahead of print.  
doi:[10.1177/08901171241302137](https://doi.org/10.1177/08901171241302137)
2. **Greenwood-Hickman MA**, Shapiro LN, Chen S, Crane PK, Harrington LB, Johnson KR, LaCroix AZ, Lane LG, McCurry SM, Shaw PA, Rosenberg DE. (2024). Understanding resilience: Lifestyle-based behavioral predictors of mental health and well-being in community-dwelling older adults during the COVID-19 pandemic. *BMC Geriatrics*. **24**, 676.  
<https://doi.org/10.1186/s12877-024-05251-3>
3. Rosenberg DE, Wu Y, Idu A, **Greenwood-Hickman MA**, McCurry SM, LaCroix AZ, Shaw PA. (2024). Historic Cognitive Function Trajectories as Predictors of Sedentary Behavior and Physical Activity in Older Adults. *The journals of gerontology. Series A, Biological sciences and medical sciences*, *79*(7), glae125. <https://doi.org/10.1093/gerona/glae125>
4. Jankowska MM, Tribby CP, Hibbing PR, Carlson J, **Greenwood-Hickman MA**, Sears DD, LaCroix AZ, Natarajan L. (2024) Movement- and posture-based measures of sedentary patterns and associations with metabolic syndrome in Hispanic/Latino and non-Hispanic

- adults. *Journal of Racial and Ethnic Health Disparities*. <https://doi.org/10.1007/s40615-024-02114-w>
5. Zablocki RW, Hartman S, Di C, Zou J, Carlson JA, Hibbing PR, Rosenberg DE, **Greenwood-Hickman MA**, Dillon L, LaCroix AZ, Natarajan L. (2024) Using functional principal component analysis (FPCA) to quantify sitting patterns derived from wearable sensors. *Int J Behav Nutr Phys Act*. **21** (48). <https://doi.org/10.1186/s12966-024-01585-8>
  6. Rosenberg DE, Zhu W, **Greenwood-Hickman MA**, Cook AJ, Acevedo SF, McClure JM, Arterburn DE, Cooper JB, Owen N, Dunstan D, Perry SR, Yarborough L, Mettert KD, Green BB. (2024) Sitting Time Reduction and Blood Pressure in Older Adults: A Randomized Clinical Trial. *JAMA Netw Open*. 2024 Mar 4;7(3):e243234. doi: 10.1001/jamanetworkopen.2024.3234. PMID: 38536177.4

## 2023

7. Dublin S, **Greenwood-Hickman MA**, Karliner L, Hsu C, Coley RY, Colemon L, Carrasco A, King D, Grace A, Lee SJ, Walsh JME, Barrett T, Broussard J, Singh U, Idu A, Yaffe K, Boustani M, Barnes DE. (2023) The electronic health record Risk of Alzheimer's and Dementia Assessment Rule (eRADAR) Brain Health Trial: Protocol for an embedded, pragmatic clinical trial of a low-cost dementia detection algorithm. *Contemp Clin Trials*, 135(2023) 107356. doi: 10.1016/j.cct.2023.107356.
8. Hibbing PR, Carlson JA, Steel C, **Greenwood-Hickman MA**, Nakandala S, Jankowska MM, Bellettiere J, Zou J, LaCroix AZ, Kumar A, Katzmarzyk P, Natarajan L. (2023). Low movement, deep-learned sitting patterns, and sedentary behavior in the International Study of Childhood Obesity, Lifestyle, and the Environment (ISCOLE). *International Journal of Obesity* 47(11), 1100-1107. doi: 10.1038/s41366-023-01364-8.
9. Wu Y, Rosenberg DE, **Greenwood-Hickman MA**, McCurry SM, Proust-Lima C, Nelson JC, Crane PK, LaCroix AZ, Larson EB, Shaw PA. Analysis of the 24-Hour Activity Cycle: An illustration examining the association with cognitive function in the Adult Changes in Thought (ACT) Study. *Frontiers in Psychology*, 14:1083344. <https://doi.org/10.3389/fpsyg.2023.1083344>

## 2022

10. Bellettiere J, Nakandala S, Tuz-Zahra F, Winkler EAH, Hibbing PR, Healy GN, Dunstan D, Owen N, **Greenwood-Hickman MA**, Rosenberg DE, Zou J, Carlson JA, Di C, Dillon L, Jankowska MM, LaCroix AZ, Ridgers ND, Zablocki R, Kumar A, Natarajan L. (2022). CHAP-Adult: A Reliable and Valid Algorithm to Classify Sitting and Measure Sitting Patterns Using Data from Hip-Worn Accelerometers in Adults Aged 35+. *Journal for the Measurement of Physical Behavior*. Advance online publication. <https://doi.org/10.1123/jmpb.2021-0062>

11. Hyde ET, Tuz-Zahra F, Moore CC, Natarajan L, Nguyen S, **Greenwood-Hickman MA**, Walker RL, Rosenberg DE, Bellettiere J. (2022) Agreement of Step-Based Metrics from ActiGraph and activPAL Accelerometers Worn Concurrently Among Older Adults. *Journal for the Measurement of Physical Behavior*. Advance online publication. <https://doi.org/10.1123/jmpb.2022-0001>
12. Carlson JA, Ridgers ND, Nakandala S, Zablocki R, Tuz-Zahra F, Bellettiere J, Hibbing PR, Steel C, Jankowska MM, Rosenberg DE, **Greenwood-Hickman MA**, Zou J, LaCroix AZ, Kumar A, Natarajan L. (2022). CHAP-Child: An open source method for estimating sit-to-stand transitions and sitting bout patterns from hip accelerometers among children. *International Journal of Behavioral Nutrition & Physical Activity*, 19, 109.
13. **Greenwood-Hickman MA**, Zhou J, Cook A, Metttert KD, Green B, McClure J, Arterburn D, Florez-Acevedo S, & Rosenberg DE. (2022). Exploring Differences in Older Adult Accelerometer-Measured Sedentary Behavior and Resting Blood Pressure Before and During the COVID-19 Pandemic. *Gerontology and Geriatric Medicine*. <https://doi.org/10.1177/23337214221096007>

## 2021

14. Wingood M, Bonnell L, LaCroix AZ, Rosenberg DE, **Greenwood-Hickman MA**, Walker R, Bellettiere J, Wing D, & Gell N. (2021). Community-Dwelling Older Adults and Physical Activity Recommendations: Patterns of Aerobic, Strengthening, and Balance Activities. *Journal of Aging and Physical Activity*, 1–13. Advance online publication. <https://doi.org/10.1123/japa.2021-0194>
15. Rosenberg DE, **Greenwood-Hickman MA**, Zhou J, Cook AJ, Metttert KD, Walsh-Bailey C, Cooper JB, Arterburn D, Kerr J, Owen N, Dunstan D, Green BB, & McClure JB. (2021). Protocol for a randomized controlled trial of sitting reduction to improve cardiometabolic health in older adults. *Contemporary Clinical Trials*, 111, 106593. Advance online publication. <https://doi.org/10.1016/j.cct.2021.106593>
16. Palazzo L, Hsu C, Barnes DE, Figueroa Gray M, **Greenwood-Hickman MA**, Larson E, & Dublin S. (2021). Patient and caregiver perspectives on a tool to increase recognition of undiagnosed dementia: a qualitative study. *BMC geriatrics*, 21(1), 604. <https://doi.org/10.1186/s12877-021-02523-0>
17. **Greenwood-Hickman MA**, Walker R, Bellettiere J, LaCroix AZ, Kim B, Wing D, Richmire K, Crane PK, Larson EB, & Rosenberg DE (2021). Associations Between Perceived Neighborhood Walkability and Device-Based Physical Activity and Sedentary Behavior Patterns in Older

- Adults. *Journal of aging and physical activity*, 1–9. Advance online publication. <https://doi.org/10.1123/japa.2020-0387>
18. **Greenwood-Hickman MA**, Nakandala S, Jankowska MM, Rosenberg DE, Tuz-Zahra F, Bellettiere J, Carlson J, Hibbing PR, Zou J, LaCroix AZ, Kumar A, & Natarajan L. (2021). The CNN Hip Accelerometer Posture (CHAP) method for classifying sitting patterns from hip accelerometers: a validation study. *Medicine and Science in Sports and Exercise*, 10.1249/MSS.0000000000002705. Advance online publication.
  19. **Greenwood-Hickman MA**, Dahlquist J, Cooper JB, Holden E, McClure JB, Mettert KD, Perry S, & Rosenberg DE. (2021). "They're going to Zoom it": A Qualitative Investigation of Impacts and Coping Strategies During the COVID-19 Pandemic among Older Adults. *Frontiers in Public Health*, 9, 573.
  20. Carlson JA, Tuz-Zahra F, Bellettiere J, Ridgers ND, Steel CL, Bejarano CM, LaCroix AZ, Rosenberg DE, **Greenwood-Hickman MA**, & Natarajan L. (2021). Validity of two awake wear time classification algorithms for activPAL in youth, adults, and older adults. *Journal for the Measurement of Physical Behaviour*. Advance online publication. <https://doi.org/10.1123/jmpb.2020-0045>.
  21. Walker RL, **Greenwood-Hickman MA**, Bellettiere J, LaCroix AZ, Wing D, Higgins M, Richmire K, Larson EB, Crane PK, & Rosenberg DE. (2021). Associations between physical function and device-based measures of physical activity and sedentary behavior patterns in older adults: moving beyond moderate-to-vigorous intensity physical activity. *BMC Geriatrics*, 21, 216. <https://doi.org/10.1186/s12877-021-02163-4>
  22. Bellettiere J, Tuz-Zahra F, Carlson JA, Ridgers ND, Liles S, **Greenwood-Hickman MA**, Walker RL, LaCroix AZ, Jankowska MM, Rosenberg DE, & Natarajan L. (2021). Agreement of Sedentary Behavior Metrics Derived From Hip- and Thigh-Worn Accelerometers Among Older Adults: With Implications for Studying Physical and Cognitive Health, *Journal for the Measurement of Physical Behaviour*, 4(1), 79-88. <https://doi.org/10.1123/jmpb.2020-0036>

## 2020

23. Dublin S, Walker RL, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans LH, Harrington LB, **Greenwood-Hickman MA**, Green BB, & Psaty BM. (2020). Renin-angiotensin-aldosterone system inhibitors and COVID-19 infection or hospitalization: a cohort study. *Am J Hypertension*, 2020 Oct 13;hpaa168. doi: 10.1093/ajh/hpaa168
24. Rosenberg DE, Walker R, **Greenwood-Hickman MA**, Bellettiere J, Xiang Y, Richmire K, Higgins M, Wing D, Larson EB, Crane PK, & LaCroix AZ. (2020). Device-assessed physical

- activity and sedentary behavior in a community-based cohort of older adults. *BMC Public Health*, 20(1), 1256.
25. Rosenberg DE, Anderson ML, Renz A, Matson TE, Lee AK, **Greenwood-Hickman M. A.**, Arterburn DE, Gardiner PA, Kerr J, & McClure JB, (2020). Reducing Sitting Time in Obese Older Adults: The I-STAND Randomized Controlled Trial. *Journal of Aging and Physical Activity*. Advance online publication. 10.1123/japa.2019-0470.

#### 2019

26. Matson TE, Anderson ML, Renz AD, **Greenwood-Hickman MA**, McClure JB, & Rosenberg DE. (2019). Changes in Self-Reported Health and Psychosocial Outcomes in Older Adults Enrolled in Sedentary Behavior Intervention Study. *American journal of health promotion: AJHP*, 33(7), 1053–1057. <https://doi.org/10.1177/0890117119841405>
27. Miles RC, Lee CI, Sun Q, Bansal A, Lyman GH, Specht JM, Fedorenko CR, **Greenwood-Hickman MA**, Ramsey SD, & Lee JM. (2019). Patterns of Surveillance Advanced Imaging and Serum Tumor Biomarker Testing Following Launch of the Choosing Wisely Initiative, *Journal of the National Comprehensive Cancer Network*, 17(7), 813-820.

#### 2018

28. Henderson LM, Jones LM, Marsh MW, Brenner AT, Goldstein AO, Benefield TS, **Greenwood-Hickman MA**, Molina PL, Rivera MP, & Reuland DS. (2018). Opinions, practice patterns, and perceived barriers to lung cancer screening among attending and resident primary care physicians. *Risk Management and Healthcare Policy*, 10, 189–195. <https://doi.org/10.2147/RMHP.S143152>
29. Panattoni L, Fedorenko C, **Greenwood-Hickman MA**, Kreizenbeck K, Walker JR, Martins R, Eaton KD, Rieke JW, Conklin T, Smith B, Lyman G, & Ramsey SD. (2018). Characterizing Potentially Preventable Cancer- and Chronic Disease-Related Emergency Department Use in the Year After Treatment Initiation: A Regional Study. *Journal of Oncology Practice*, 14(3), e176–e185. <https://doi.org/10.1200/JOP.2017.028191>

#### 2016

30. **Greenwood-Hickman MA**, Renz A, & Rosenberg DE. (2016). Motivators and Barriers to Reducing Sedentary Behavior Among Overweight and Obese Older Adults. *The Gerontologist*, 56(4), 660–668. <https://doi.org/10.1093/geront/gnu163>

#### 2015

31. Henderson LM, Benefield T, Nyante SJ, Marsh MW, **Greenwood-Hickman MA**, & Schroeder BF. (2015). Performance of digital screening mammography in a population-based cohort of



black and white women. *Cancer causes & control: CCC*, 26(10), 1495–1499.  
<https://doi.org/10.1007/s10552-015-0631-3>

32. **Greenwood-Hickman MA**, Rosenberg DE, Phelan EA, & Fitzpatrick AL. (2015). Participation in Older Adult Physical Activity Programs and Risk for Falls Requiring Medical Care, Washington State, 2005-2011. *Preventing chronic disease*, 12, E90.  
<https://doi.org/10.5888/pcd12.140574>

### ***Accepted Peer-Reviewed Publications in Press***

#### ***Manuscripts Under Review***

1. **Greenwood-Hickman MA**, Walker RL, Idu AE, Bellettiere J, Wing D, McCurry SM, Crane PK, Larson EB, Rosenberg DE, LaCroix AZ. Current and historic patterns of chronic disease burden are associated with physical activity and sedentary behavior in older adults: an observational study. *BMC Public Health*. Under Review.
2. Florez-Acevedo S, **Greenwood-Hickman MA**, Zhu W, Cook AJ, Delaney K, Green BB, Arterburn DE, McClure JB, Rosenberg DE. Mental Health and Quality of Life Outcomes in the Healthy Aging Resources to Thrive (HART) Randomized Controlled Trial to Reduce Sitting Time in Older Adults. *Journal of Aging and Physical Activity*. Under Review.
3. Zlatar ZZ, **Greenwood-Hickman MA**, Martinez Lujan LN, Cooper JB, Florez-Acevedo S, Marquez DX, Gutierrez Aceves R, Vargas AP, Rosenberg DE. De Pie y a Movernos Study: Feasibility and Cultural Adaptation of a Community-Engaged Physical Activity Intervention for Middle-Aged and Older Latinos. *JMIR Formative Research*. Under Review.

#### ***Published Abstracts***

1. **Greenwood-Hickman MA**, Zhu W, Idu a, Harrington L, McCurry S, LaCroix A, Shaw P, Rosenberg DE. Associations between 10-year physical function trajectories and 24-hour activity cycle behaviors in older adults. Poster Presentation at the Gerontological Society of America Annual Scientific Meeting. November 2024; Seattle, WA, USA.
2. **Greenwood-Hickman MA**, Arterburn D, Cooper J, Green B, Holden E, McClure J, Rosenberg D. Understanding goal setting and behavior change mechanics in older adult sitting reduction. Oral presentation at the Gerontological Society of America Annual Scientific Meeting. November 2024; Seattle, WA, USA.
3. Zlatar ZZ, Lujan LM, **Greenwood-Hickman MA**, Cooper JB, Florez-Acevedo S, Vargas A, Rosenberg DE. Using qualitative methods to culturally adapt a community-engaged physical activity intervention for Latinos. Poster Presentation at the Gerontological Society of America Annual Scientific Meeting. November 2024; Seattle, WA, USA.

4. Rosenberg DE, Florez-Acevedo S, **Greenwood-Hickman MA**, Zhu W, Arterburn D, McClure M, Green B. Changes in Sedentary Patterns and Self-reported Health in a Randomized Controlled Trial of Sitting Reduction. Oral presentation at the Gerontological Society of America Annual Scientific Meeting. November 2024; Seattle, WA, USA.
5. Rosenberg DE, **Greenwood-Hickman MA**, Lujan LM, Florez-Acevedo S, Marquez DX, Aceves RG, Cooper J, Zlatar ZZ. (2024) Estudio De Pie: Culturally adapting a physical activity intervention for older Latino adults. Poster presentation at the annual meeting for the Society of Behavioral Medicine, March 2024; Philadelphia, PA, USA. [citation award]
6. Rosenberg DE, Zhu W, **Greenwood-Hickman MA**, Cook AJ, Florez-Acevedo S, McClure JB, Arterburn D, Cooper J, Owen N, Dunstan D, Green BB. (2024). Primary outcomes of a 6-month randomized controlled trial to reduce sitting time in older adults. Oral symposium presentation at the annual meeting for the Society of Behavioral Medicine, March 2024; Philadelphia, PA, USA.
7. Barnes D, **Greenwood-Hickman MA**, Hsu C, Karliner L, King DA, Lee S, Coley RY, Dublin S. (2023). Improving Dementia Detection in Primary Care: Process Evaluation for the eRADAR Brain Health Trial. Oral presentation at Gerontological Society of America Annual Scientific Meeting. November 9, 2023; Tampa, FL.
8. Simmons J, Frager V, Broussard J, **Greenwood-Hickman MA**, Barret T, Barnes D. (2023). Magnifying the Voice of a Community: Attitudes and Beliefs Among African Americans About Dementia. Oral presentation at Gerontological Society of America Annual Scientific Meeting. November 8, 2023; Tampa, FL.
9. **Greenwood-Hickman MA**, Harrington LB, Shapiro L, LaCroix AZ, McCurry S, Shaw PA, Rosenberg DE. (2023). Pre-pandemic Sleep and Activity Behaviors and Associated Change in Depressive Symptoms during the COVID-19 Pandemic. Chaired Poster Presentation at the International Society for Behavioral Nutrition and Physical Activity 22<sup>nd</sup> Annual Meeting. June 14, 2023; Uppsala, Sweden.
10. **Greenwood-Hickman MA**, Florez-Acevedo S, Cooper J, Rosenberg DE, Zlatar Z. (2023). Protocol for a sedentary behavior and physical activity intervention for older Latino/Hispanic adults to prevent cognitive decline. Oral Symposium presentation at the International Society for Behavioral Nutrition and Physical Activity 22<sup>nd</sup> Annual Meeting. June 16, 2023; Uppsala, Sweden.
11. Rosenberg DE, Wu Y, **Greenwood-Hickman MA**, McCurry S, Shaw PA. Associations between profiles of the 24-hour activity cycle and cognitive function in older adults. (2023). Poster presented at the International Society of Behavioral Nutrition and Physical Activity 22<sup>nd</sup> Annual Meeting. June 14, 2023; Uppsala, Sweden.

12. **Greenwood-Hickman MA**, Carlson JA, Jankowska MM, Hibbing PR, Rosenberg DE, Natarajan L. (2022). The CNN Hip Accelerometer Posture (CHAP) Suite: Leveraging deep learning to close the gap between thigh and hip accelerometry in the free-living measurement of sitting behavior. Symposium session at International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2022; Keystone, CO, USA. Journal for the Measurement of Physical Behavior, 5, 4. <https://doi.org/10.1123/jmpb.2022-0032>
13. **Greenwood-Hickman MA**, Nakandala S, Jankowska MM, Rosenberg DE, Tuz-Zahra F, Bellettiere J, Carlson JA, Hibbing PR, Zou J, LaCroix AZ, Kumar A, Natarajan L. (2022). The CNN Hip Accelerometer Posture (CHAP) method for classifying sitting patterns from hip accelerometers: development and initial validation in a sample of older adults. Oral presentation at International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2022; Keystone, CO, USA. Journal for the Measurement of Physical Behavior, 5, 4. <https://doi.org/10.1123/jmpb.2022-0032>
14. Carlson JA, Ridgers N, Nakandala S, Kumar A, Zablocki R, Tuz-Zahra F, Bellettiere J, Zou J, LaCroix A, Dillon L, Jankopwska M, Hibbing PR, Steel C, Rosenberg D, **Greenwood-Hickman MA**, Di C, Winkler E, Healy G, Dunstan D, Owen N, Natarajan L. (2022). The CHAP data processing tools for estimating sit-to-stand transitions and sitting bout patterns from hip ActiGraph data among children and adults. Oral presentation at International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2022; Keystone, CO, USA. Journal for the Measurement of Physical Behavior, 5, 4. <https://doi.org/10.1123/jmpb.2022-0032>
15. Jankowska M, Tribby C, Sears D, Rosenberg D, Tuz-Zahra F, Bellettiere J, Carlson J, Hibbing P, Zou J, LaCroix A, **Greenwood-Hickman MA**, Nakandala S, Kumar S, Natarajan L. (2022). A comparison of the CHAP versus cut point method for measuring accelerometry derived sitting patterns as associated with metabolic syndrome in adults. Oral presentation at International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2022; Keystone, CO, USA. Journal for the Measurement of Physical Behavior, 5, 4. <https://doi.org/10.1123/jmpb.2022-0032>
16. Hibbing P, Carlson J, Steel C, **Greenwood-Hickman MA**, Nakandala S, Jankowska M, Rosenberg D, Tuz-Zahra F, Bellettiere J, Zou J, LaCroix A, Kumar A, Katzmarzy P, Natarajan L. (2022). Deep-learned sedentary patterns and obesity in the International Study of Childhood Obesity (ISCOLE): Results from the CHAP-child model. Oral presentation at International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2022; Keystone, CO, USA. Journal for the Measurement of Physical Behavior, 5, 4. <https://doi.org/10.1123/jmpb.2022-0032>
17. **Greenwood-Hickman MA**, Walker RL, Bellettiere J, LaCroix AZ, Rosenberg DE. (2021). Characterizing Component Activities of Older Adult Sedentary Time by Age, Gender, and

- Device-Based Sitting Patterns. Symposium presentation at Gerontological Society of America Annual Scientific Meeting, November 2021; virtual. *Innovation in Aging*, Volume 5, Issue Supplement\_1, 2021, Pages 339–340, <https://doi.org/10.1093/geroni/igab046.1311>
18. **Greenwood-Hickman MA**, Zhou J, Cooper J, Arterburn D, Cook A, Rosenberg D. Device-Measured Sedentary Patterns and Physical Activity Before and During the COVID-19 Pandemic. Symposium presentation at Gerontological Society of America Annual Scientific Meeting, November 2021; virtual. *Innovation in Aging*, Volume 5, Issue Supplement\_1, 2021, Page 339, <https://doi.org/10.1093/geroni/igab046.1308>
  19. **Greenwood-Hickman MA**, Dahlquist J, Cooper JB, Holden E, McClure JB, Metter KD, Perry S, Rosenberg DE. (2021). “They’re going to Zoom it”: A qualitative evaluation of Seattle-area older adults’ social connection strategies during COVID-19. Roundtable presentation at the 2021 American Public Health Association 2021 Annual Meeting and Expo. October 26, 2021; virtual.
  20. **Greenwood-Hickman MA**, Rosenberg DE, Gardiner P. (2021). Physical activity and sedentary behavior in cognitive and functional aging: the Adult Changes in Thought cohort: Symposium C19. Associations between ACT device-based activity pattern measures and cognitive function. Oral symposium presentation at International Society for Physical Activity and Health (ISPAH) Conference. October 12, 2021; virtual. *The Health & Fitness Journal of Canada*, 14(3). <https://doi.org/10.14288/hfjc.v14i3.647>
  21. **Greenwood-Hickman MA**, Walker R, Bellettiere J, Wing D, LaCroix A, Rosenberg DE. (2021). Contextualizing device-measured sitting and sitting patterns among older adults using self-reported activities. Poster presented at 2021 Virtual International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2021; virtual.
  22. Hyde ET, Nguyen S, **Greenwood-Hickman MA**, LaCroix AZ, Moore CC, Natarajan L, Rosenberg D, Tuz-Zahra F, Walker RL, & Bellettiere J. (2021). Agreement of step metrics derived from ActiGraph and activPAL accelerometers worn concurrently among older adults. Poster presented at 2021 Virtual International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM). June 23, 2021; virtual.
  23. **Greenwood-Hickman MA**, Dahlquist J, Cooper J, & Rosenberg DE. (2020). Impact of the 2020 COVID-19 Pandemic on Older Adults’ Perceived Sedentary Behavior and Physical Activity. *Innovation in Aging*, 4(Suppl 1), 949–950. Poster presented at the Gerontological Society of America Annual Scientific Meeting, November 2020; virtual.
  24. Rosenberg DE, Walker R, **Greenwood-Hickman MA**, Richmire K, Bellettiere J, Wing D, & LaCroix AZ. (2020). Patterns of Sedentary Behavior in a Community-Based Cohort of Older

- Adults. *Innovation in Aging*, 4(Suppl 1), 790. Oral presentation at the Gerontological Society of America Annual Scientific Meeting, November 2020.
25. Rosenberg DE, **Greenwood-Hickman MA**, Zhou J, Walsh-Bailey C, Cooper J, Cook A, Arterburn D, Green B, Kerr J, McClure J. (2020, May). Methods for a randomized controlled trial to reduce sitting time in older adults with obesity. In *Annals of Behavioral Medicine* (vol. 54, pp. S399-s399). Oral presentation at the Society of Behavioral Medicine Annual Meeting, May 2020.
  26. **Greenwood-Hickman MA**, Walker RL, Richmire K, LaCroix AZ, Larson EB, Crane PK, & Rosenberg DE. (2019). Associations between neighborhood characteristics and sitting patterns in older adults. *Innovation in Aging*, 3(Suppl 1), S21. Oral presentation at Gerontological Society of America Annual Scientific Meeting, November 2019; Austin, TX.
  27. Rosenberg DE, **Greenwood-Hickman MA**, Walker RL, Richmire KR, Crane P, Larson EB, LaCroix AZ (2019). Sitting patterns, physical activity, and physical functioning in older adults. *Innovation in Aging*, 3(Suppl 1), S20. Symposium presentation at Gerontological Society of America Annual Scientific Meeting, November 2019; Austin, TX.
  28. Goulart BHL, Silgard E, Baik CS, Bansal A, **Greenwood-Hickman MA**, Hanson A, Ramsey SD, Schwartz S. (2017). Validation of natural language processing (NLP) for automated ascertainment of EGFR and ALK tests in SEER cases of non-small cell lung cancer (NSCLC). *Journal of Clinical Oncology* 2017 35:15\_suppl, 6528-6528. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
  29. Panattoni LE, Fedorenko CR, Kreizenbeck KL, Greenlee S, Walker JR, **Greenwood-Hickman MA**, Barger S, Rieke JW, Conklin T, Brown TD, Chance S, Eaton KD, Guerrero R, Gunkel M, Martins RG, Moorhouse M, Smith B, Lyman GH, Ramsey SD. (2017). The role of chronic disease in the costs of potentially preventable emergency department use during treatment: A regional study. *Journal of Clinical Oncology*, 35:15\_suppl, 6505-6505. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
  30. Panattoni L, Fedorenko CR, Kreizenbeck KL, Greenlee S, Walker JR, **Greenwood-Hickman A**, Barger S, Rieke JW, Conklin T, Chance S, Eaton KD, Guerrero R, Gunkel M, Martins RG, Moorhouse M, Smith B, Lyman GH, Ramsey SD. (2017). Costs of potentially preventable emergency department use during cancer treatment: A regional study. *Journal of Clinical Oncology* 2017 35:8\_suppl, 2-2. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
  31. Panattoni LE, Fedorenko CR, **Greenwood-Hickman MA**, Sun Q, Walker JR, Kreizenbeck KL, McDermott CL, Conklin T, Smith B, Lyman GH, Ramsey SD. (2017). How do clinics perform across multiple end of life metrics? *Journal of Clinical Oncology* 2017 35:31\_suppl, 86-86. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.

32. Lyman GH, Fedorenko CR, Walker JR, Panattoni LE, Greenlee S, Kreizenbeck KL, **Greenwood-Hickman MA**, Barger S, Blau S, McGee RA, Conklin T, Smith B, Ramsey SD. (2017). Patterns in provider types and cost of surveillance testing in early-stage breast cancer patients: A regional study. *Journal of Clinical Oncology* 35:15\_suppl, 6582-6582. Oral Presentation at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
33. McDermott CL, Fedorenko CR, **Greenwood-Hickman MA**, Kreizenbeck KL, Conklin T, Smith B, Curtis JR, Lyman GH, Ramsey SD. (2017). Polypharmacy and out-of-pocket medication costs in the last month of life among commercially insured patients with advanced cancer: Insights from linking a regional cancer registry and insurance claims. *Journal of Clinical Oncology* 35:31\_suppl, 79-79. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
34. Fedorenko CR, Kreizenbeck KL, Panattoni LE, Walker JR, McDermott CL, **Greenwood-Hickman MA**, Lyman GH, Conklin T, Smith B, Barger S, Ramsey SD. (2017). Development of cancer care episodes to measure costs for breast, colorectal, and non-small cell lung cancer. *Journal of Clinical Oncology* 2017 35:8\_suppl, 29-29. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
35. Fedorenko CR, Kreizenbeck KL, Panattoni L, Walker JR, **Greenwood-Hickman MA**, Lyman GH, & Ramsey SD. (2017). Out of system (OOS) costs for oncology clinics treating patients with breast, colorectal, and non-small cell lung cancer in Washington state. *Journal of Clinical Oncology* 35, no. 8\_suppl (March 10, 2017) 5-5. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
36. Panattoni L, Fedorenko CR, Kreizenbeck KL, Greenlee S, Walker JR, **Greenwood-Hickman MA**, Lyman GH, & Ramsey, S. D. (2017). Clinic level variation in emergency department and inpatient utilization in a community setting. *Journal of Clinical Oncology* 35, no. 8\_suppl (March 10, 2017) 226-226. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
37. Walker JR, Fedorenko CR, Greenlee S, Panattoni L, **Greenwood-Hickman MA**, Barger S, Lyman GH, & Ramsey SD. (2017). Patterns of surveillance testing in commercially insured patients with breast cancer across provider types: A regional study. *Journal of Clinical Oncology* 35, no. 5\_suppl (February 10, 2017) 4-4. Poster at the American Society of Clinical Oncology Annual Meeting, June 2017; Chicago, IL.
38. Marsh MW, Benefield T, **Greenwood-Hickman MA**, Jones L, Meyer AM, & Henderson LM. (2016). Mammography screening adherence after a false positive test result. [abstract]. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research; 2016 Apr 16-20; New Orleans, LA. Philadelphia (PA): AACR; Cancer Res 2016;76(14

- Suppl):Abstract nr 2585. Poster at the American Association for Cancer Research Annual Meeting, April 2016; New Orleans, LA.
39. Marsh MW, **Greenwood-Hickman MA**, Jones L, Rivera MP, Bowling JM, Molina P, Maygarden S, Birchard K, Reuland D, Henderson LH. (2016). Lung cancer screening knowledge and beliefs among primary care providers and pulmonologists. *Journal of Clinical Oncology* 34:7\_suppl, 191-191. Poster at the American Society of Clinical Oncology Annual Meeting, June 2016; Chicago, IL.
40. **Greenwood-Hickman MA**, Jones L, Marsh MW, Rivera MP, Molina P, Reuland D, Bowling JM, Birchard K, Maygarden S, Henderson LH. (2016). Do perceived barriers to lung cancer screening differ between attending physicians and residents? *Journal of Clinical Oncology* 34:7\_suppl, 192-192. Poster at the American Society of Clinical Oncology Annual Meeting, June 2016; Chicago, IL.
41. Henderson LH, Molina P, Birchard K, Bowling J M, Maygarden S, Reuland D, Marsh MW, **Greenwood-Hickman MA**, Jones L, Rivera MP. (2016). Development of a Lung Cancer Screening Registry. In A30. Advances in lung cancer screening and pulmonary nodule assessment (pp. A1283-A1283). Poster at the American Thoracic Society. American Thoracic Society International Conference, May 2016; San Francisco, CA.
42. Henderson LH, Benefield T, Marsh K, & **Greenwood-Hickman MA**. (2015, June). Digital Screening Mammography Performance by Race. In 2015 Annual Research Meeting. AcademyHealth. Poster at the AcademyHealth Annual Research Meeting, June 2015; Minneapolis, MN.

## **OTHER PRESENTATIONS**

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### ***Oral Presentations***

- Greenwood-Hickman MA**, Rosenberg DE. (May, 2024). Reducing sitting time in older adults: The Healthy Aging Resources to Thrive (HART) trial. Nutrition, Energy Balance and Physical Activity (NPAAG) Affinity Group Seminar Series, Fred Hutch Cancer Center. May 1, 2024.
- Greenwood-Hickman MA**. (2023, October). eRADAR: An embedded, pragmatic trial using electronic health record data for targeted dementia screening. Partners in Accelerating Care Transformation, Kaiser Permanente Washington Health Research Institute. October 19, 2023.
- Greenwood-Hickman MA**, Lane L, Chen S, Wu Y, Shaw P, McCurry S, Rosenberg DE. (2023, May). "Project 1: Characterizing sedentary behavior, physical activity, and sleep in the ACT cohort." 2023 Adult Changes in Thought (ACT) Symposium. May 16, 2023.

**Greenwood-Hickman MA**, Florez-Acevedo S, Rosenberg DE. (April, 2023). “De pie y a movernos/Stand up and move Study.” Guest Lecture for University of North Carolina Greensboro KIN 649: Principles of Physical Activity Behavior Change (Dr. Jaclyn Maher). April 13, 2023.

**Greenwood-Hickman MA**, Zhou J, Walker R, Bellettiere J, LaCroix AZ, Rosenberg DE. (2021, August). “ACT Activity Monitor (ACT-AM) Sub-Study: Characterizing sedentary behavior, physical activity, and sleep in the ACT cohort - Trajectories of comorbidity as predictors of activity patterns.” 2021 Adult Changes in Thought (ACT) Symposium. August 17, 2021.

Hyde, E.T., Nguyen, S., **Greenwood-Hickman, M.A.**, LaCroix, A.Z., Moore, C.C., Natarajan, L., Rosenberg, D., Tuz-Zahra, F., Walker, R.L., & Bellettiere, J. (2021). Agreement of step-based metrics derived from ActiGraph and activPAL accelerometers worn concurrently among older adults. 2021 Adult Changes in Thought (ACT) Symposium. August 17, 2021.

**Greenwood-Hickman MA**. (2021, March). “The CNN Hip Accelerometer Posture (CHAP) method for classifying sitting patterns from hip accelerometers: a validation study in older adults.” University of California San Diego Sedentary Behavior Science Meeting; Virtual.

Rosenberg DE & **Greenwood-Hickman MA**. (2020, November). “Built Environment & Healthy Aging.” Invited Lecture for Dr. Larry Frank’s Public Health, Transportation, and the Built Environment course (SPPH-571), University of British Columbia; Virtual.

Rosenberg D, Walker R, **Greenwood-Hickman MA**, Bellettiere J, LaCroix AZ. (2020, August). “ACT Activity Monitor (ACT-AM) Sub-Study: Sedentary behavior, physical activity, and aging.” Adult Changes in Thought Symposium; Virtual.

**Greenwood-Hickman MA**, Walker R, Bellettiere J, Rosenberg DE. (2019, August). “ACT Activity Monitor (ACT-AM) Sub-Study: Sedentary behavior, physical activity, and aging.” Adult Changes in Thought Symposium, Seattle, WA.

Dublin S, Walker R, **Greenwood-Hickman MA**. (2018, August). “EMR Risk of Alzheimer’s and Dementia Assessment Rule (eRADAR): Work in Progress.” Adult Changes in Thought Symposium, Seattle, WA.

### ***Poster Presentations***

**Greenwood-Hickman MA**, Renz AD, Rosenberg DE. (2013, September). “Barriers and facilitators to reducing sedentary time among older adults with obesity.” University of Washington Elder Friendly Futures Conference, Seattle, WA.

### **PROFESSIONAL TRAINING**

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- Physical Activity and Public Health Research Fellow: Postgraduate Course on Research Directions and Strategies (60 hours), University of South Carolina, September 19-26, 2023



- Integrated Mixed Methods: Bridging Qualitative and Quantitative Methods and Results – Qualitative Research Summer Intensive, ResearchTalk; 2022
- Conducting Qualitative Interviews: Developing and Maintaining an Active and Engaged Posture – Qualitative Research Summer Intensive, ResearchTalk; 2022
- Causal Inference in Obesity Research – NIH Short Course at Indiana University Bloomington; 2019
- Epic Oncology Research Coordinator and Epic Reporting training—Epic@UNC; 2015
- Executing Your Survey Research Project Workshop Series—The Odum Institute at UNC; 2015
- Qualitative research methods workshops—Center for AIDS Research (CFAR) at UW
  - Jan 10, 2014—Interviews & Focus Groups
  - Mar 14, 2014—Qualitative Methods