

## **Jungjoo (Jay) Lee**

Assistant Professor  
Department of Environmental and Occupational Health  
School of Public Health  
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### **RESEARCH INTERESTS**

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Jungjoo Lee, PhD, is an Assistant Professor in the Department of Environmental and Occupational Health at the School of Public Health, Texas A&M University, with expertise in digital health and data science. His research focuses on two main areas: geriatric health and behavioral health. First, he specializes in big data analysis, investigating multilayered confounding structures in the progression from mild cognitive impairment to dementia. He employs innovative analytical methods such as random forest algorithms, recurrent network models, Bayesian VAR/GP models, and mixed-effects models to estimate the slope of cognitive decline and dementia risk. Second, he evaluates wearable technologies to enhance behavioral health, integrating cranial electrotherapy stimulation, virtual reality, and biometric assessment tools. These technologies aim to develop an AI-driven self-care system that incorporates clinical interventions and monitors gait, language and speech features, as well as brain signals. Dr. Lee has published over 40 peer-reviewed articles and secured research funding from multiple institutions, serving as PI, Co-I, and research coordinator.

### **ACADEMIC APPOINTMENT**

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**Assistant Professor** 08/2025 – Current  
Department of Environmental and Occupational Health  
Center for Community Health and Aging  
School of Public Health  
Texas A&M University, College Station, TX

**Assistant Professor** 08/2023 – 05/2025  
School of Health Professions  
College of Nursing and Health Professions  
University of Southern Mississippi, Hattiesburg, MS

### **EDUCATION**

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Doctor of Philosophy in Public Health 08/2019 – 08/2023  
Indiana University, Bloomington, IN  
Department of Health & Wellness Design, School of Public Health  
Concentration: Chronic disease management, Digital health, Data science  
Dissertation: Cognitively stimulating activities, emotional health, and cognitive functions among older adults with mild cognitive impairment: a longitudinal analysis.  
Academic Minor: Quantitative Methodology (With a Focus on Longitudinal Analysis)

Master of Arts in Public Policy and Management 03/2016 – 08/2018  
Yonsei University, Seoul, South Korea.  
Department of Social Policy and Administration, College of Social Sciences  
Concentration: Social policy, Health policy  
Thesis: Privatization of public sports facilities and management efficiency using a data envelopment analysis.

## **REFEREED PUBLICATIONS**

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### **2026**

1. **Lee, J.**, Han, A., & Kim, J. (In Press). The longitudinal impact of self-perception on disability acceptance among people with intellectual and developmental disabilities: controlling for disability etiology and duration. *Current Psychology*.
2. **Lee, J.**, & Kim, J. (In Press). Dose-response relation between dementia risk and cognitive activities between nursing home and community residents. *Journal of Applied Gerontology*
3. **Lee, J.**, Kim, J., & Lee, K. (In Press) Longitudinal estimation of adequate physical activity levels to reduce the risk of Alzheimer's disease and other dementias in older Adults with mild cognitive impairment. *Journal of Physical Activity and Health*.
4. Kim, J., Kim, Y., **Lee, J.**, & Faisal, H. (In Revision) Virtual reality meditation: A pilot study on depression, emotion, and quality of life in older adults with dementia. *Aging and Health Research*.
5. **Lee, J.**, Han, A., Kim, J., & Kim, J. (In Revision). Longitudinal estimation of disability acceptance following healthy and unhealthy behaviors in individuals with lower extremity amputations: considering the duration and etiology of disability. *Archives of Physical Medicine and Rehabilitation*
6. **Lee, J.**, & Kim, J. (In Revision). Smart ring-based assessment of physical activity intensity and sleep disturbances in older adults with mild cognitive impairment. *Digital Health*.
7. **Lee, J.**, Lee, K., Park, S., & Kim, J. (In Revision) The role of community-based leisure activities in promoting disability acceptance among individuals with intellectual and developmental disabilities. *Sage Open Medicine*.
8. Kim, J., **Lee, J.**, & Kim, J. (Submitted). The buffering effects of physical activity on the relationship between alcohol consumption and loneliness among older adults. *Journal of Aging and Physical Activity*.
9. **Lee, J.**, Kim, J., & Sherman, L. (Submitted). Risk of sleep disturbance by diabetes duration in older adults: A Cox proportional hazards model. *Journal of Applied Gerontology*.
10. Sherman, L., **Lee, J.**, & Kim, J. (Submitted). Does snoring affect the risk of diabetes across physical activity levels in older adults? *Journal of Aging and Health*.
11. Lee, S., **Lee, J.**, Sherman, L., & Kim, J. (Submitted). Dose-Response Association Between Physical Activity and Sleep Apnea in Older Adults with Diabetes.
12. **Lee, J.**, & Kim, J. (Submitted). Walking distance and sleep stages in older adults with mild cognitive impairment: Oura ring-based assessment. *American Journal of Health Promotion*.
13. **Lee, J.**, Kim, J., & Kim, Y. (Submitted). Differential changes in dementia risk based on types of health behaviors in older adults with mild cognitive impairment. *Research on Aging*.

### **2025**

14. Kim, J., **Lee, J.**, Kim, Y., Woo, B., & Ory, M. (2025). The longitudinal risk of Alzheimer's disease and related dementias following participation in cognitively stimulating activities by older adults. *Gerontology and Geriatric Medicine*. 10.1177/30495334251374270

15. Kim, J., Kim, Y., **Lee, J.**, Welsh-Boherm, K., & Ory, M. (2025) The impact of Jigsawdio program on cognitive and mental health of people living with dementia. *Gerontechnology*. 10.1093/geroni/igad104.3636
16. **Lee, J.**, & Kim, J. (2025) Applying virtual reality in mindfulness exercises for emotional regulation and mental health among inpatients with behavioral issues: A feasibility study. *American Journal of Health Promotion*. 10.1177/08901171251391600
17. **Lee, J.**, Kim, J., & Kim, J. (2025) Physical activity and disability acceptance considering the duration and etiology of disability in people with visual impairment: a longitudinal study. *Journal of Physical Activity and Health*. 10.1123/jpah.2025-0011
18. Purcell, N., **Lee, J.**, & Ory, M. (2025) Integrating a care supporter in diabetes self-management education to enhance health outcomes: a pilot study. *The Science of Diabetes Self-Management and Care*. 10.1177/26350106251320327
19. Han, A., **Lee, J.**, & Kim, J. (2025). A longitudinal investigation of the impact of disability acceptance on the disability-related stress of individuals with intellectual and developmental disabilities. *Journal of Intellectual and Developmental Disability*. 10.3109/13668250.2025.2458737

## 2024

20. Kim, J., **Lee, J.**, & Kim, J. (2024). The effect of levels of leisure-time physical activity on cognitive functions among older adults with mild cognitive impairment: A longitudinal analysis. *Gerontology and Geriatric Medicine*, 4(10). 10.1177/23337214241291705
21. Kim, J., **Lee, J.**, & Kim, J. (2024). The longitudinal estimation of disability-related stress by physical activity among Koreans with physical disabilities. *Stress and Health*, 41, e3519.
22. **Lee, J.**, Kim, J., & An, S. (2024). The risk of diabetes by changing memory, working memory, and processing speed among older adults. *Frontiers in Psychology*, 15. DOI: 10.3389/fpsyg.2024.1427139
23. **Lee, J.**, Kim, J., & Ory, M. (2024). The impact of immersive virtual reality meditation on the emotional regulation and mental health of individuals with major depressive disorder and generalized anxiety disorder. *Frontiers in Psychology*, 15. DOI: 10.3389/fpsyg.2024.1471269
24. **Lee, J.**, Kim, J., Woo, B., Pesola, A., & Tikkanen, O. (2024). The longitudinal relationship between levels of physical activity and positive and negative affect among older foreign-born adults with mild cognitive impairment. *Psychogeriatrics*. DOI: 10.1111/psyg.13114
25. **Lee, J.**, Kim, J., Woo, B., Ju, H., & An, S. (2024). A longitudinal dose-response curve between physical activity and the prevalence of diabetes in different levels of cognitive function among older adults. *American Journal of Alzheimer's Disease*, 39, 1-9, DOI: 10.1177/15333175241241891
26. **Lee, J.**, Kim, J., & Svetina, D. (2024). The longitudinal relationship between levels of cognitively stimulating activity and positive and negative affect among older adults with MCI. *Psychogeriatrics*, 24(2), 369-381.
27. Kim, J., **Lee, J.**, Kim, Y., Ory, M., & Welsh-Bohmer, K. (2024). Investigating the impact of immersive virtual reality meditation on coherence achievement score, anxiety, and depression among people with dementia. *Journal of Health and Social Science*, 9(1), 100-109.
28. **Lee, J.**, Kim, J., & Svetina, D. (2024). A longitudinal analysis of different levels of cognitively stimulating activity and cognitive function among older adults with MCI. *Journal of Cognitive Enhancement*, 8, 257-270.

29. Lee, C., Kim, J., **Lee, J.**, & Hu, D. (2024). Leisure involvement, COVID-19 risk perception, coping, and life satisfaction among Korean immigrants living in the United States. *American Journal of Health Behavior*, 48(2), 279-290.
30. **Lee, J.**, Lee, J., Kim, J., & Kim, Y. (2024). Investigating the relationship between types of health behavior and coping strategies for older Korean immigrants. *Journal of Health and Social Sciences*, 8(3), 209-218.
31. Stanojevic, C., Kim, Y., Allsop, J., Fecske, C., Piatt, J. A., Kim, J., Stanojevic, I. S., & **Lee, J.** (2024). Perspectives on clinical supervision: Recreational therapy and the need for rigorous clinical supervision. *American Journal of Recreation Therapy*, 23(3), 17-26.

## 2023

32. Kim, J., **Lee, J.**, Rodriguez, M., Han, A., & Ju, H. (2023). Identifying the relationships between types of leisure activities and cognitive functions for older adults. *American Journal of Health Behavior*, 47(3), 650-659.
33. Kim, J., Kim, Y., **Lee, J.**, & Ory, M. (2023). Efficacy of an immersive nature-based virtual reality program on depression, emotional health, and quality of life among care facility residents with Alzheimer's disease and its related dementias. *American Journal of Health Behavior*, 47(1), 3-12.
34. **Lee, J.**, Han, A., Kim, J., & Park, S. (2023). Relationships between types of health behaviors and mental health among older adults with diabetes during the COVID-19 pandemic. *American Journal of Health Behavior*, 47(2), 228-236.
35. Kim, J., Ko, M., **Lee, J.**, & Kim, Y. (2023). The effects of a mobile-based multi-domain intervention on cognitive function among older adults. *Preventive Medicine Report*, 32, 102165.
36. **Lee, J.**, Oh, S., Kim, J., & Kim, J. (2023). Different levels of leisure walking and mental health among older adults with mild cognitive impairment. *Journal of Aging and Physical Activity*, 31(5), 841-848.
37. Kim, J., **Lee, J.**, Nuseibeh, B., Kim, Y., & Han, S. (2023). The effects of a nature-based virtual reality program on emotional health and quality of life among older adults with dementia. *American Journal of Health Behavior*, 47(1), 3-12. (SSCI)

## 2022

38. **Lee, J.**, Kim, J., & Han, S. (2022). Different levels of physical activity, coping, and mental health among older adults with diabetes during the COVID-19. *American Journal of Health Behavior*, 46(2), 177-185.
39. Kim, Y., **Lee, J.**, Nuseibeh, Jung, M., & Kim, J. (2022). The utilization of nature-based virtual reality practice for the well-being of older adults with dementia. *Alzheimer's and Dementia*, 18 (8), e062801.
40. Kim, J., **Lee, J.**, Kim, Y. S., & Park, S. H. (2022). Identifying the relationship between leisure walking and prevalence of Alzheimer's disease and other dementias. *International Journal of Environmental Research and Public Health*, 19(13), 8076.
41. Kim, J., **Lee, J.**, Ko, M., & Oh, S. (2022). Leisure, mental health, and life satisfaction among older adults with mild cognitive Impairment. *American Journal of Health Behavior*, 46(4), 477-487.
42. Kim, H., Kim, J., **Lee, J.**, & Kim, J. (2022). Leisure types, coping, happiness, and life satisfaction among Veterans. *American Journal of Health Behavior*, 46(3), 209-217.

## 2021 and Earlier

43. **Lee, J.**, Kim, J., & Holden, R. (2021). Physical and mental health differences reported by three age groups of older adults with diabetes. *Gerontology and Geriatric Medicine*, 8. DOI: 10.1177/23337214211055897
44. **Lee, J.**, Kim, J., Chow, A., & Piatt, J. (2021). Different levels of physical activity, physical health, happiness, and depression among older adults with diabetes. *Gerontology and Geriatric Medicine*, 7. DOI: 10.1177/2333721421995623
45. Yang, J., Lee, H., & **Lee, J.** (2016). Life satisfaction and equality of opportunity in happiness among the elderly in Korea. *Social Science Review*, 47(2), 29-45.

## **FUNDING**

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### **RESEARCH GRANT PROPOSALS (AWARDED):**

1. Digital Jigsawdio Puzzle (Awarded; 10/2025)  
Jigsawdio: An audiovisual jigsaw puzzle for people with Alzheimer's Disease and Alzheimer's-Disease-Related Dementias  
Funding Agency: National Institute on Aging (NIA, SBIR Phase II)  
Role: Research Coordinator (PI: Dr. Junhyoung Kim)
2. Early Detection of Apathy and Dementia (Awarded; 12/2025)  
Sensor-Augmented Multimodal 'Digital Apathy Signature' for the Early Detection of Apathy and Dementia Risk  
Funding Agency: Dementia & Alzheimer's Research Initiative (DARI)  
Role: Co-Investigator (PI: Dr. Mark Benden)

### **RESEARCH GRANT PROPOSALS (UNDER REVIEW):**

1. Virtual Reality Nature Trek and Electrocardiogram Monitoring (Scored)  
Efficacy of Immersive Nature-based Virtual Reality (INVR) intervention on the behavioral and mental health of older adults with AD/ADR  
Funding Agency: National Institute on Aging (NIA, R01)  
Role: Co-Investigator (PI: Dr. Junhyoung Kim)
2. Mobile-based Multidomain Program (Silvia Apps) (Scored)  
The feasible study of a smartphone-based multidomain intervention for older adults with dementia  
Funding Agency: National Institute on Aging (NIA, R01)  
Role: Research Coordinator (PI: Dr. Junhyoung Kim)

### **RESEARCH GRANT PROPOSALS (IN PROGRESS):**

1. Sleep Quality Management and Smart Ring (Will be Submitted in 02/2026)  
Examining Confounding Factors in Sleep Promotion Using Smart Rings in Older Adults with MCI  
Funding Agency: National Institute on Aging (NIA R21)  
Role: Co-Principal Investigator (Pilot studies completed).
2. Virtual Reality Meditation and Electrocardiogram Monitoring (Will be Submitted in 02/2026)  
Virtual Reality Meditation Assessed by Electrocardiogram for People with Substance Abuse Disorders.  
Funding Agency: National Center for Complementary and Integrative Health (NCCIH R34)  
Role: Co-Investigator (Pilot studies completed).

3. AI-based Analysis of Dementia Confounders (Will be Submitted)  
Exploring Confounding Mechanisms Underlying the Transition to Dementia in Older Adults with Mild Cognitive Impairment  
Funding Agency: National Institute on Aging (NIA R21)  
Role: Co-Principal Investigator

### **RESEARCH GRANT PROPOSALS (NOT AWARDED):**

1. Cross-cultural Sleep Study Using Smart Ring  
A Cross-Cultural Study of Smart Ring-Based Sleep Quality Monitoring in Older Korean Immigrants in the United States and Older adults in South Korea  
Funding Agency: The Academy of Korean Studies  
PI: Jungjoo Lee, Co-PI: Junhyoung Kim
2. Evaluation of Technology-based Interventions  
Evaluating Person-Centered, Technology-Based Solutions for Individuals Living with Dementia  
Funding Agency: Dementia & Alzheimer's Research Initiative (DARI)  
PI: Junhyoung Kim, Co-I: Jay Kim, Gang Han, Jungjoo Lee
3. Design and Test of a Sensor-Embedded Smart Sock  
Novel Sock Wearable and Software System for Gait and IMU Analysis in Neurodegenerative Disease  
Funding Agency: Dementia & Alzheimer's Research Initiative (DARI)  
PI: Gerrad Cote, Co-PI: Jungjoo Lee

### **FUNDED PROJECTS INVOLVEMENT**

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1. Digital Jigsawdio Puzzle 09/2022 – 12/2023  
Jigsawdio: An audiovisual jigsaw puzzle for people with Alzheimer's Disease and Alzheimer's-Disease-Related Dementias  
Funding Agency: National Institute on Aging  
Role: Research Coordinator (MPI: Dr. Junhyoung Kim)
2. Mobile-based Multidomain Program (Silvia App) 05/2022 – 04/2025  
The feasibility of a smartphone-based multidomain intervention for older adults with dementia  
Funding Agency: Silvia Health Company, South Korea  
Role: Research Coordinator (PI: Dr. Junhyoung Kim)
3. Care Band 07/2021 – 03/2023  
A holistic approach to monitoring, measuring, and facilitating engagement among ALF residents  
Funding Agency: National Institute of Health  
Role: Research Coordinator (MPI: Dr. Junhyoung Kim)
4. Virtual Reality Nature Trek and Tai Chi 01/2021 – 12/2021  
Nature-based health intervention on health and life satisfaction among nursing home residents  
Funding Agency: Social Science Research Commons, Indiana University Bloomington  
Role: Research Coordinator (PI: Dr. Junhyoung Kim)

### **GRANTS**

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**Outstanding Research Grant (\$5,000)** 12/2023

Digital Health and Data Science, NCTRC Research Board	
<b>NCTRC Research Grant (\$2,500)</b>	11/2022
Pathway to Independence, NCTRC Research Board	
<b>Indiana University SMART Researcher Grant (\$6,700)</b>	05/2022
Indiana University Bloomington	
<b>Janet R. MacLean Fellowship on Aging (\$4,500)</b>	05/2022
Indiana University Bloomington	
<b>NCTRC Research Grant (\$2,500)</b>	03/2022
Academic Independent Careers, NCTRC Research Board	
<b>The Prominent Performance Grant (\$5,700)</b>	01/2021
School of Public Health, Indiana University Bloomington	
<b>The Prominent Performance Grant (\$5,700)</b>	09/2020
School of Public Health, Indiana University Bloomington	

## **AWARDS**

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<b>The Faculty Spirit Award: Research</b>	04/2024
The nominated faculty has outstanding research performance, dedication, and initiative. The award is exhibited in the faculty lounge board in the College of Nursing, University of Southern Mississippi.	
<b>Research Paper Award</b>	09/2022
Doctoral research paper competition, School of Public Health, Indiana University, Bloomington, IN	
The award is exhibited in the Honor's Bulletin in the School of Public Health	
Study: A longitudinal dose-response curve between physical activity and the prevalence of diabetes in different levels of cognitive function among older adults.	
<b>Outstanding Research Award (First Placed Winner, \$700)</b>	09/2022
International Organization for Health, Sports, and Kinesiology (IOHSK), Las Vegas, NV	
Study: Different levels of leisure walking and mental health among older adults with mild cognitive impairment.	
<b>Distinguished Research Paper Award (Second Placed Winner, \$3,500)</b>	10/2018
Korea Society for Regulatory Studies, Seoul, South Korea	
Study: Privatization of Public Sport Facilities and Management Efficiency using a Data Envelopment Analysis (DEA). (Master's Thesis, In Korean)	
<b>Outstanding Social Science Graduate Student Award (\$8,000)</b>	07/2017
Merit-based scholarship award, Ministry of Education, Seoul, South Korea	

## **REFEREED RESEARCH PRESENTATIONS**

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1. **Lee, J.**, Kim, J., Osuji, C., Dey, R., Carter, A., Lee, K., & Leong, A. (March 2026). Applying Virtual Reality in Mindfulness Exercises for Emotional Regulation and Mental Health Among Inpatients with Behavioral Issues. *Presentation at the American Academy of Health Behavior Conference, Austin, TX*.
2. **Lee, J.**, Kim, J., Ory, M., & Smith, M. (January 2026). Healthy Behavior Patterns and Differential Dementia Risk among Older Adults with Mild Cognitive Impairment. *Presentation at the Texas Alzheimer's Research Care Conference, Austin, TX*.
3. **Lee, J.**, Kim, J., Ory, M., & Smith, M. (January 2026). Longitudinal estimation of disability acceptance

in people with lower extremity amputations following healthy and unhealthy behaviors: adjusted etiology and duration." *Presentation at the Hawaii International Conference on Education, Honolulu, HI.*

4. Lee, J., Kim, J., Cho, D., & Hwang, M. (November 2025). Longitudinal estimation of adequate physical activity levels to reduce the risk of Alzheimer's disease and other dementia in older adults with mild cognitive impairment. *Presentation at the Gerontological Society of America (GSA), Boston, MA*
5. Lee, J., Kim, J., Lee, K., Carter, A. (November 2025). Sleep latency and physical activity in older adults with mild cognitive impairment: Oura ring longitudinal study. *Presentation at the Gerontological Society of America (GSA), Boston, MA.*
6. Lee, K., Lee, J. Kim, J. (November 2025). Investigating how physical activity relates to restless sleep: A case study using a smart ring. *Presentation at the Gerontological Society of America (GSA), Boston, MA.*
7. Lee, J. (October 2025). Virtual reality in healthcare. *Presentation at the Creative Care Conference, College Station, TX.*
8. Lee, J. (July 2025). Digital health in dementia care. *Presentation at the Welfare State Institute Conference, Seoul, Korea.*
9. Lee, J., Kim, J. (April 2025). Utilizing virtual reality to improve health outcomes in recreational therapy. *Presentation at the Gulf Coast Recreational Therapy, Hattiesburg, MS.*
10. Kim, Y., Lee, J., Kim, D., & Kim, J. (November 2024). Immersive virtual reality meditation (IVRM) program led to improvement in emotional health and reduction in depression among people living with dementia. *Presentation at the Gerontological Society of America (GSA), Seattle, WA.*
11. Lee, J. (April 2024). Digital health and health promotion in RT. *Presentation at the Gulf Coast Recreational Therapy, Mobile, AL.*
12. Lee, J., & Kim, J. (February 2024). The longitudinal relationship between physical activity and stress among older Korean adults with visual impairment. *Presentation at the Health and Wellness Among Marginalized Population in South Korea, Bloomington, IN*
13. Lee, J., Kim, J., & Kim, J. (February 2024). Relationships between leisure time physical activity and perceived stress among Korean individuals with physical disabilities. *Presentation at the Health and Wellness Among Marginalized Population in South Korea, Bloomington, IN*
14. Lee, J., & Kim, J. (January 2024). The impact of immersive virtual reality meditation on people living with dementia. *Presentation at the Texas Alzheimer's Research and Care Consortium (TARCC), Austin, TX*
15. Amy, A., Kim, Y., Lee, J., Welsh-Bohmer, K., Ory, M., & Kim, J. (November 2023). The effect of the Jigsawdio program on cognition among older adults with dementia. *Presentation at the Gerontological Society of America (GSA), Tampa, FL*
16. Lee, J., Oh, S., Rodriguez, M., & Kim. (November 2023). Impact of leisure activities on older adults' cognitive function. *Presentation at the Gerontological Society of America (GSA), Tampa, FL*
17. Kim, J., Lee, J., Rodriguez, M., Han, A., & Ju, H. (June 2023). Identifying the relationships between types of leisure activities and cognitive functions for older adults. *Presentation at the Korean Association for Policy Studies, Summer Conference, Gyeongju, South Korea*
18. Kim, J., Lee, J., Kim, Y., & Ory, M. (June 2023). The longitudinal relationship between Alzheimer's disease and other dementia and participation in cognitively stimulating leisure activities among MCI and non-MCI older adults. *Presentation at the Korean Association for Policy, Studies Summer Conference, Gyeongju, South Korea*
19. Kim, Y., Lee, J., Ko, M., Jang, Y., & Kim, J. (March 2023). A Mobile-Based Multidomain Program to

Promote Older Adults' Cognitive Function. *Presentation at the Society for Post-Acute and Long-Term Care Medicine, Tempa, FL*

20. Lee, J., & Kim, J. (October 2022). Leisure types, coping, happiness, life satisfaction, and health perception among college students. *Presentation at the International Organization Health Sports Kinesiology (IOHSK), Las Vegas, NV*
21. Lee, J., & Kim, J. (October 2022). Different levels of leisure walking and mental health among older adults with mild cognitive impairment. *Presentation at the International Organization Health Sports Kinesiology (IOHSK), Las Vegas, NV*
22. Lee, J., & Kim, J. (November 2022). Different levels of leisure-time physical activity and mental health for older adults with diabetes in the pandemic. *Presentation at the Gerontological Society of America (GSA), Indianapolis, IN*
23. Lee, J., Kim, Y., & Kim, J. (November 2022). Taekwondo can be instrumental in promoting physical functioning, cognitive functioning, social interaction, and mental health. *Presentation presented at the Gerontological Society of America (GSA), Indianapolis, IN*
24. Kim, Y., Lee, J., Nuseibeh, B., Jung, M., & Kim, J. (August 2022). The utilization of nature-based Virtual Reality (VR) practice for the well-being of older adults with dementia: a case study. *Presentation at the Alzheimer's Association and International Conference, San Diego, CA*
25. Kim, Y., Lee J., Lee S., & Kim, J. (September 2021). Nature-based virtual reality intervention on health benefits of Korean immigrants during the COVID-19 pandemic. *Presentation at the American Therapeutic Recreation Association, Cleveland, OH*
26. Lee, J. (December 2021). Physical and mental health differences were reported in three age groups of older adults with diabetes. *Presentation at the Doctoral Colloquium of Health & Wellness Design, Indiana University, IN*
27. Lee, J. (December 2019). The discrepancy in baby boomer well-being between workers and retirees is mediated by community sports participation. *Presentation at the Doctoral Colloquium of Health & Wellness Design, Indiana University, IN*

## **TEACHING**

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PHLT 434 – Project Cost Benefits and Economics	Spring 2026
HPR 452 – Health Promotion for Older Adults	Spring 2025
HPR 411 – Adapted Activities and Techniques	Spring 2025
HPR 351 – Diversity Inclusion Practice	Spring 2025
HPR 400 – Seminar in Public Health	Fall 2024
HPR 450 – Procedure in Clinical Interventions	Fall 2024
HPR 350 – Introduction to Rehabilitation Science	Fall 2024
HPR 452 – Health Promotion for Older Adults	Spring 2024
HPR 411 – Adapted Activities and Techniques	Spring 2024
HPR 351 – Diversity Inclusion Practice	Spring 2024
HPR 400 – Seminar in Public Health	Fall 2023
HPR 450 – Procedure in Clinical Interventions	Fall 2023
HPR 451 – Assessment and Documentation	Fall 2023
SPH Y379 – Rehabilitation Facilitation Techniques and Evaluation – 1	Spring 2023
SPH Y379 – Rehabilitation Facilitation Techniques and Evaluation – 2	Spring 2023

## **PROFESSIONAL QUALIFICATION**

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Certified HeartMath Practitioner	01/2023
Certified Therapeutic Recreation Specialist (CTRS)	01/2023

## **WORKING EXPERIENCE**

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Adapted Swimming Instructor	05/2009 – 09/2010
Center for Children with Autism, South Korea	