

# HAJIN JANG, MPH

348 Bellefield Professional Building, 130 N Bellefield Ave, Pittsburgh, PA, United States

Phone: (+1) 412-251-6583 E-mail: [Haj90@pitt.edu](mailto:Haj90@pitt.edu) Website: [Google Scholar](#)

## Academic Interests

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- Healthy aging, obesity, sarcopenia, and body composition
- Fall injuries and fractures
- Cross-cohort harmonization

## Education and Training

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### Graduate

2023 – 2026	University of Pittsburgh, Pittsburgh, PA	PhD, 2026 (expected)	Epidemiology
2020 – 2022	Korea University, Seoul, Korea	MPH, 2022	Epidemiology & Risk Management

### Undergraduate

2015 – 2020	Korea University, Seoul, Korea	BA, 2020 BEcon, 2020	Health Policy & Management Statistics (double-major)
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## Appointments and Positions

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2023 –	Pre-doctoral Trainee, Graduate Student Researcher Center for Aging and Population Health (CAPH), University of Pittsburgh
2019 – 2022	Research Assistant Chronic Disease Epidemiology Lab, Korea University

## Membership in Professional and Scientific Societies

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2023 –	In-training Member American Society for Bone and Mineral Research (ASBMR)
2021 – 2022	Student Graduate Member American Society for Nutrition (ASN)

## Honors

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2024	Young Investigator Travel Grant American Society of Bone and Mineral Research
2022	Outstanding Dissertation Award Korea University, Brain Korea 21
2021	Brain Korea 21 Research Grant Contest Korea University, Brain Korea 21

## Publications

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### Published Articles

1. Kim N\*, **Jang H\***, and Hawkins H. Chrononutrition Patterns in People Who Attempted Weight Loss in the Past Year: A Descriptive Analysis of the National Health and Nutrition Examination Survey (NHANES) 2017-2020 Pre-Pandemic. *Dietetics*. 2025 Jun 3. 4(2):24. \*Co-first authors

2. Byun D, Kim Y, **Jang H**, and Oh H. Screen time and obesity prevalence in adolescents: an isotemporal substitution analysis. *BMC Public Health*. 2024 Nov 12. 24(1): 3130
3. **Jang H**, Cho Y, and Oh H. Recreational screen time and obesity risk in Korean children: a 3-year prospective cohort study. *International Journal of Behavioral Nutrition and Physical Activity*. 2024 Sep 30. 21(1): 112
4. Cho Y, **Jang H**, Kwon S, and Oh H. Aerobic, muscle-strengthening, and flexibility physical activity and risks of all-cause and cause-specific mortality: a population-based prospective cohort of Korean adults. *BMC Public Health*. 2023 Jun 14. 23(1): 1148
5. **Jang H**, Kim R, Lee J, Lee D, Giovannucci E, and Oh H. Overall and Abdominal Obesity and Risks of All-Cause and Cause-Specific Mortality in Korean Adults: A Pooled Analysis of Three Population-Based Prospective Cohorts. *International Journal of Epidemiology*. 2023 Aug 2. 52(4): 1060-1073
6. Ryu S, **Jang H**, and Oh H. Smartphone Usage Patterns and Dietary Risk Factors in Adolescents. *The Journal of Nutrition*. 2022 Sep 6. 152(9): 2109-2116
7. Byun D, Hong S, Ryu S, Nam Y, **Jang H**, Cho Y, Keum N, and Oh H. Early-life body mass index and risks of breast, endometrial, and ovarian cancers: a dose-response meta-analysis of prospective studies. *British Journal of Cancer*. 2022 Nov 12. 126(4): 664-672
8. **Jang H** and Oh H. Trends and Inequalities in Overall and Abdominal Obesity by Sociodemographic Factors in Korean Adults, 1998-2018. *International Journal of Environmental Research and Public Health*. 2021 Apr 14. 18(8): 4162

### Working Papers

1. **Jang H**, Crandall CJ, Gore S, Hu C, LaCroix AZ, LaMonte MJ, Liu L, Freeland KS, Cauley JA, Stefanick ML, Schumacher BT, and Strotmeyer ES. Associations of Obesity Phenotypes with Incident Fall Rates: Results from the Objective Physical Activity and Cardiovascular Health in Older Women (OPACH). 2025. (Under review)
2. **Jang H**\*, Song Y\*, Kim N\*, Strotmeyer ES, and Glynn NW. Association of Actigraphy-Measured Rest-Activity Rhythms with Obesity Phenotypes in the Osteoporotic Fractures in Men (MrOS) Study. 2025. (Under review) \*Co-first authors

### Published Abstracts

1. **Jang H**, Crandall CJ, Gore S, Hu C, LaCroix AZ, LaMonte MJ, Liu L, Freeland KS, Cauley JA, Stefanick ML, Schumacher BT, and Strotmeyer ES. Associations of Obesity Phenotypes with Incident Fall Rates: Results from the Objective Physical Activity and Cardiovascular Health in Older Women (OPACH). *ASBMR 2024 Annual Meeting*. 2024 Sep 27.
2. Cho Y, Oh H, and **Jang H**. Television, Computer, Smartphone Use, and Obesity Risk: A 3-Year Follow-Up Study. *Current Developments in Nutrition*. 2023 Jul 1. 7
3. Cho Y, **Jang H**, and Oh H. Screen Time and Obesity in Adolescents: An Isotemporal Substitution Analysis. *Current Developments in Nutrition*. 2023 Jul 1. 7
4. **Jang H**, Kim R, Lee DH, Lee JT, Giovannucci E, Oh H. Obesity and Mortality in a Pooled Analysis of Three Prospective Cohorts of Korean Adults: Is Obesity Paradox the BMI Paradox? *Current Developments in Nutrition*. 2022 Jun 1. 6: 1062
5. **Jang H** and Oh H. Obesity Transition and Inequalities by Sociodemographic Factors in Korean Adults, 1998–2018. *Current Developments in Nutrition*. 2021 Jun 1. 5: 1219

### Oral Presentations

1. **Jang H**, Freeland KS, Heilmann NZ, Langer LR, Roberts JE, Ensrud KE, LaCroix AZ, Schousboe JT, Newman AB, Cauley JA, and Strotmeyer ES. Associations of Obesity Phenotypes with Incident and Recurrent Falls in Older Adults: A Cross-Cohort Analysis. *ASBMR 2025 Annual Meeting*. American Society of Bone and Mineral Research. 2025 Sep 5-8.
2. **Jang H**, Kim R, Lee JT, Lee DH, Giovannucci E, and Oh H. Obesity and Mortality in a Pooled Analysis of Three Prospective Cohorts of Korean Adults: Is Obesity Paradox the BMI Paradox? NUTRITION 2022 LIVE ONLINE, American Society for Nutrition, Rockville, Maryland, USA (virtual). 2022 Jun 14.

3. **Jang H** and Oh H. Obesity Transition and Inequalities by Sociodemographic Factors in Korean Adults, 1998-2018. NUTRITION 2021 LIVE ONLINE, American Society for Nutrition, Rockville, Maryland, USA (virtual). 2021 Jun 7.

### Poster Presentations

1. **Jang H**, Crandall CJ, Gore S, Hu C, LaCroix AZ, LaMonte MJ, Liu L, Freeland KS, Cauley JA, Stenfanick ML, Schumacher BT, and Strotmeyer ES. Associations of Obesity Phenotypes with Incident Fall Rates: Results from the Objective Physical Activity and Cardiovascular Health in Older Women (OPACH). *ASBMR 2024 Annual Meeting*. American Society of Bone and Mineral Research. Toronto, ON, Canada, 2024 Sep 27. **Plenary poster, Invited to the Pre-Meeting Symposium on Energy Metabolism in Skeletal Development and Disease**
2. **Jang H** and Oh H. The Joint Effects of Obesity and Physical Activity on All-cause and Cardiovascular Mortality among Korean Adults: Evaluation of the 'Fat but Fit' Hypothesis. *The 5th Asia-Pacific Cardiometabolic Syndrome Congress (APCMS)*. Korean Society of Cardiometabolic Syndrome, Seoul, Korea. 2022 Apr 29. **Outstanding Abstract Award Winner**
3. **Jang H**, Shin M, and Oh H. Alcohol Drinking and Cardiovascular Risk Factors in Korean Adults: Age-Period-Cohort and Association Analyses. *The 4th Asia-Pacific Cardiometabolic Syndrome Congress (APCMS)*. Korean Society of Cardiometabolic Syndrome, Seoul, Korea. 2021 Apr 23. **Outstanding Abstract Award Winner**

### Teaching Experience

#### Teaching Assistant

2025	Principles of Epidemiology (Graduate) University of Pittsburgh (Instructor: Thomas J Songer)
2025	Advanced Epidemiology of Aging (Graduate) University of Pittsburgh (Instructor: Jane A Cauley)
2021	Principles of Epidemiology (English/Graduate) Korea University (Instructor: Hannah Oh)
2020	Case Studies in Epidemiology (English/Graduate) Korea University (Instructor: Hannah Oh)
2020	Foundations and Principles of Health Promotion (English/Undergraduate) Korea University (Instructor: Hannah Oh)

#### Service

#### Manuscript and other Documentation/Publication Review

Year	Journal Title
2025	Scientific Reports
2025	BMC Geriatrics
2024	BMC Geriatrics
2024	Scientific Reports
2024	Lipids in Health and Disease
2024	BMC Geriatrics

### Courses Completed

#### PhD in Epidemiology, University of Pittsburgh (2023-2025)

Introduction to Statistical Methods, Applied Regression Analysis, Longitudinal and Clustered Data Analysis, Pathophysiology Across the Life Span, Principles of Epidemiology, Analytic Methods of Physical Activity, Epidemiology of Infectious Diseases, Chronic Disease Epidemiology, Fundamentals of Epidemiological

Methods, Design and Conduct of Clinical Trials, Introduction to SAS, Epidemiological Methods of Longitudinal and Time-to-Event Analysis, Causal Inference of Epidemiological Research, Machine Learning and Analysis in Epidemiology Research, Special Studies – Essay, Independent Study, Teaching Practicum, Secondary Data Analysis: Capstone Course, Seminar in Epidemiology, Epidemiological Basis and Disease Control, Introduction to Molecular Epidemiology, Advanced Epidemiology Methods of Aging, Grant Writing, Epidemiology of Aging Workshop, Epidemiology of Aging Methods, Research and Dissertation, Reading-Analyzing-Interpreting Research in Public Health, The Dean's PH Grand Rounds, Research Ethics.

**MPH in Epidemiology, Korea University (2020-2022)**

Math for Health Scientists, Biostatistics, Health and International Development (English), Epidemiologic Methods (English), Introduction to Precision Public Health, Case Studies in Epidemiology (English), Designs and Methodological Issues of Environmental Epidemiology, Multivariate Data Analysis Using STATA (English), Machine Learning, Principles of Epidemiology, Precision Public Health Practicum, Social Determinants of Global Health (English).