

CHIYOUNG LEE, PhD, RN

EDUCATION

- PhD Duke University, School of Nursing** 2017.08–2020.09
Durham, USA
Dissertation: “Socioeconomic disparities in cardiovascular health among older adults”
- MSN Seoul National University, College of Nursing** 2015-2017
Seoul, South Korea
Thesis: “Health literacy and participation among older adult patients with heart failure”
- BSN Seoul National University, College of Nursing** 2009–2013
Seoul, South Korea

WORK EXPERIENCE

- Samsung Medical Center, Seoul, Korea** 2013–2017
- Registered professional nurse
- Cardiac intensive care unit (2015-2017)
 - Emergency department & emergency intensive care unit (2013-2015)

RESEARCH/TEACHING EXPERIENCE

Duke University, School of Nursing, Durham, USA

Study coordinator (2019)

- TICAA (Technology-based Information and Coaching/support program for Asian American breast cancer survivors: NIH-funded, R01)

Research assistant (2018-2019)

- TICAA (Technology-based Information and Coaching/support program for Asian American breast cancer survivors: NIH-funded, R01)

Mentored teaching practicum

- Nursing 966 Quantitative methods for evaluating health care practices (2019 Fall)

Guest lecture

- Nursing 966 Quantitative methods for evaluating health care practices (2019 Fall)
- Nursing 718 Data analytics I (2020 Spring)

Seoul National University Hospital, Seoul, Korea

2017

Clinical instructor

Seoul National University, College of Nursing, Seoul, Korea

2016–2017

Research assistant

- Development of evidence-based guidelines for nursing home's infection control
- A project on 'building age-friendly cities and communities' by Si-Heung city, Korea

PUBLICATIONS

Journal Publications

Lee, C., & Im, E. O. (2020). Socioeconomic disparities in cardiovascular health in South Korea: a systematic review. Published in: *Journal of Cardiovascular Nursing*. doi: 10.1097/jcn.0000000000000624

Lee, C. Y., & Lee, Y. H. (2019). Measurement of socioeconomic position in research on cardiovascular health disparities in Korea: a systematic review. *Journal of Preventive Medicine and Public Health*, 52(5), 281-291.

Lee, C. Y., Cho, B., Cho, Y., & Park, Y. H. (2019). Older adults' perceptions of age-friendliness with an emphasis on community supports and health services in a city in South Korea. *Journal of Korean Academy of Community Health Nursing*, 30(2), 234-242. [English]

Lee, C. Y., & Park, Y. H. (2018). Health literacy and participation among older adult patients with heart failure in Korean culture. *Journal of Transcultural Nursing*, 29(5), 429-440.

Lee, C. Y., Lee, M. H., Lee, S. H., & Park, Y. H. (2018). Nurses' views on infection control in long-term care facilities in South Korea: a focus group study. *Korean Journal of Adult Nursing*, 30(6), 634-642 [English]

Im, E. O., Kim, S., Lee, C., Chee, E., Mao, J. J., & Chee, W. (2018). Decreasing menopausal symptoms of Asian American Breast cancer survivors through a technology-based information and coaching/support program. *Menopause (New York, NY)*, 26(4), 373-382.

Im, E. O., Kim, S., Xu, S., Lee, C., Hamajima, Y., Inohara, A., ... & Chee, W. (2018). Issues in recruiting and retaining Asian American breast cancer survivors in a technology-based intervention study. *Cancer Nursing*. doi: 10.1097/NCC.0000000000000657

Park, Y. H., Lee, S. H., Yi, Y. M., Lee, C. Y., & Lee, M. H. (2018). Compliance with respiratory infection preventive behaviors and its related factors in older adults using a senior center. *Journal of Korean Academy of Community Health Nursing*, 29(3), 322-334.

Park, Y. H., Lee, S. H., Lee, Y. M., Lee, C. Y., & Lee, M. H. (2018). Development of evidence-based guidelines for nursing home's infection control in Korea. *Journal of Muscle and Joint Health*, 25(2), 135-147.

[In abstract] Lee, C., Chee, W., & Im, E. O. (2019). TCTAP A-098 Inequalities in cardiovascular health among older adults in South Korea: the role of personal-, provider-and system-level factors. *Journal of the American College of Cardiology*, 73(15 Supplement), S52.

[In abstract] Lee, C., Chee, W., Im, E. O., & Kim, S. (2019). TCTAP A-107 Socioeconomic inequalities in cardiovascular risk factors: a two-step cluster analysis. *Journal of the American College of Cardiology*, 73(15 Supplement), S55.

Journal Papers in Review (2020-)

Im, E. O., Lee, C., Kim, S., & Chee, W. Clusters of Asian American breast cancer survivors by menopausal symptoms. Submitted to: *Women & Health*.

Lee, C. A two-step clustering approach to examining cardiovascular health disparities among older adults in South Korea. Submitted to: *Korean Journal of Adult Nursing*.

Lee, C., Yang, Q., Im, E. O., McConnell, E. S., Jung, S. H., & Kim, H. Y. The contribution of material, behavioral, psychological, and social-relational factors to income-related disparities in cardiovascular risk among older adults in South Korea. Submitted to: *Journal of Aging and Health*

Lee, C., Yang, Q., Im, E. O., McConnell, E. S., Jung, S. H., & Kim, H. Y. A 10-year trend in income disparity of cardiovascular health among older adults in South Korea. Submitted to: *SSM-Population health*

Journal Papers in Preparation (2020-)

1. Validating the 20-item revised University of California Los Angeles Scale to assess loneliness among older adults in South Korea: an evaluation of factor structure and other measurement properties.

2. Leveraging electronic health records to examine racial and socioeconomic disparities in surgical outcomes among older adults undergoing hip fracture surgery: using propensity score matching analysis

3. Cardiovascular health behavior trajectory typologies in high cardiovascular risk populations using latent class growth analysis

Conference Papers (Abstract-Reviewed)

Lee, C. Y., Kim, S. M., Chee, W., Tsai, H., & Im, E. O. The effect of physical activity on cognitive symptoms among Asian American midlife women: a pilot study of web-based physical activity promotion program. Southern Research Society Conference (SNRS) 33rd annual conference. Poster conference abstract presentation.

Lee, C. Y., Kim, S. M., Chee, W., Tsai, H., & Im, E. O. A culturally tailored web-based physical activity promotion program: effect on cardiovascular symptoms and physical activity among Asian American midlife women. Southern Research Society Conference (SNRS) 33rd annual conference. Symposium

Im, E. O., Lee, C. Y., Hu, Y., Kim, S. M., Choi, H., Hamajima, Y., Chee, E., & Chee, W. What to consider in a culturally tailored technology-based cancer pain management program. Global Breast Cancer Conference (GBCC). Poster conference abstract presentation.

Im, E. O., Lee, C. Y., Hu, Y., Kim, S. M., Choi, H., Hamajima, Y., Chee, E., & Chee, W. Challenges in a culturally tailored technology-based interventions for Asian American Breast cancer survivors. Global Breast Cancer Conference (GBCC). Poster conference abstract presentation.

Lee, C. Y., & Park, Y. H. Essential features of age-friendly cities in Korea: a literature review. The 14th International Conference on Healthcare and Life Science Research (ICHLSR). Poster conference abstract presentation.

PROFESSIONAL AWARDS AND SPECIAL RECOGNITIONS

Summer Research Fellowship 2018, 2019, 2020
Student Pilot Funding 2019 (spring, fall)
Duke University, Durham, USA

Outstanding Contribution Award
AAPINA's 15th Annual International Conference, Durham, USA

Academic Honors Scholarship 2015, 2016
Seoul National University, Seoul, Korea

Award of the Excellent Poster
The 11th International conference 'Innovative Nursing Care and Technology', the Research Institute of Nursing Science, Seoul, Korea

PROFESSIONAL AFFILIATIONS AND LICENSES & SCHOLARLY SOCIETIES

Nursing Licensure: Registered Nurse, New York Board, USA
Registered Nurse, Ministry of Health and Welfare, Korea

Sigma Theta Tau International Nursing Honor Society 2019–
The Beta Epsilon Chapter

Asian American/ Pacific Islander Nurses Association 2018–

North Carolina Korean Nurses Association 2018–

PROFESSIONAL TRAINING

Teaching Credential Training Course

Certificate in College Teaching program 2019
Duke University School of Nursing, Durham, USA

Data Science Workshops & Classes

Data science seminar series 2019
Duke University School of Nursing, Durham, USA

Duke machine learning summer school 2019 Summer
Duke Electrical & Computer Engineering Department, Durham, USA

Analysis of National Health Survey data 2018 Summer
School of Public Health, University of Maryland, College Park, USA

Clinical Training 2013–2016

Samsung Medical Center, Seoul, Korea

- Emergency care training
- Pulmonary and critical care training
- Advanced training courses in critical care nursing
- Cardiac critical care training
- Common disease management program
- Clinical nursing research program

AREAS OF RESEARCH (&TEACHING) INTERESTS

Health disparity; health equity; social determinants of health

Research methodology; statistics at DNP/Ph.D level and above

Nursing care; culturally competent care

Vulnerable populations; minority groups; older adult population

Population health; epidemiology; health services; health policy

NURSING SPECIALTIES

Critical care nursing

Cardiovascular nursing

Emergency nursing

Geriatric nursing

TECHNOLOGY SKILLS

Statistical Software: SAS, SPSS, R

Statistical techniques

- Univariate/multivariate methods, generalized linear models, mixed modeling, structural equation modeling, principal component/factor analysis, graphical reporting, power analysis, confidence intervals/effect sizes, multilevel modeling, path analysis, cluster analysis, latent class growth analysis, index-based measures of health inequalities (the slope and relative indices of inequality, concentration index), propensity matching analysis, factor analysis

Research methods

- Survey research, experimental design, lifespan developmental methodology, systematic/literature review, cross-sectional/longitudinal national survey research