

ERH-CHI HSU, PhD(c), MPH, RN

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Education

Doctor of Philosophy in Nursing Johns Hopkins University, MD, U.S.	Sep 2023 - Present
Master of Public Health University of Washington, WA, U.S.	Sep 2021 - Jun 2023
Bachelor of Science in Nursing National Yang-Ming University, Taipei, Taiwan	Aug 2014 - Jan 2019

Experiences

Research Residency

School of Nursing, Johns Hopkins University, Baltimore, MD July 2024 - Present

Project: Memory Care in Assisted Living (PI: Dr. Kali Thomas)

- Health Services Regulatory Analysis of States' regulations for assisted living (AL) communities.
- Explore changes of AL capacity in nursing home (NH) markets nationally using ArcGIS.
- Characterize co-located ALs and NHs defined by geospatial locations using ArcGIS.

Project: Data Core-The State Alzheimer's Research Support Center (StARS) (PI: Dr. Kali Thomas)

- Lead and teach graduate students to apply Health Services Regulatory Analysis regarding the state-level regulations for Adult Day Centers.

Project: Characterizing the Distribution and Impact of Specialized ADRD Resources in the United States (PI: Dr. Halima Amjad)

- Using ArcGIS to identify ADRD-related resources and explore geographical impacts.

Research Residency

School of Nursing, Johns Hopkins University, Baltimore, MD Oct 2023 - Jun 2024

Project: The Sound Study (PI: Dr. Junxin Li)

- Examined the effect of Music/40 Hz/40Hz + Music on sleep and cognition of older adults.
- Conducted analysis using linear mixed-effect model for three crossover groups with 3 longitudinal data collection points each by R and R studio.
- Prepared the initial outcomes for the next stage of grant writing.

Research Assistant

Department of Health System and Population Health, SPH, UW Sep 2022 - Jun 2023

Project: The Emergency Cardiac and Stroke (ECS) System Evaluation (PI: Dr. Amber Sabbatini)

- Literature review on stroke registries by state, extracted states with time-sensitive diagnosis registry.
- Analyzed state-level stroke care quality data and reported the outcome to the ECS advisory board.
- Disseminated quality improvement surveys regarding the ECS system to EMS personnel through RedCap and analyzed results.
- Worked with Washington State Department of Health and composed an ECS assessment report to legislature.

Research Assistant

Center of Health Innovation and Policy Science (CHIPS), SPH, UW Sep 2022 - Jun 2023

Project: Determining Tobacco Use with Medicaid Data (ASTHO/CDC) (PI: Dr. Amber Sabbatini)

- Literature review on tobacco cessation interventions and identify tobacco-related ICD/CPT codes.
- Shared the methodology of this project which could be generalized to other states in identifying tobacco users enrolled in Medicaid.
- Shared findings and considerations regarding tobacco use trends on demographics, comorbidity, and cessation attempts in Washington State.

Research Assistant

Center of Health Innovation and Policy Science (CHIPS), SPH, UW Jun 2022 - Sep 2022

Project: Evaluation of a web-based social needs referral platform through quantitative phone surveys with patients (PI: Dr. Jerome Dugan)

- Literature review on process and outcome evaluation of social needs screening and referral platform.
- Made 484 outreach phone calls and got 33 valid records with a 7% response rate, collected quantitative data through REDCap, and analyzed them.
- Weekly discussion with the multidisciplinary team and preparing manuscripts for journal submission.

Registered Nurse

Mar 2019 - Apr 2021

Geriatric Ward, Taipei Veterans General Hospital, Taipei, Taiwan.

- Managed acute and chronic health issues and made care plans through Comprehensive Geriatric Assessment for the elderly with multi-comorbidity.
- Collaborated with multidisciplinary teams, promoted patients' rehabilitation, and planned discharge.
- Wrote an evidence-based nursing practice report related to the effects of low-density oxygen delivery for COPD patients on exercise tolerance with the PICO approach.

Research Assistant

Sep 2018 - Jan 2019

Taoyuan General Hospital, Ministry of Health and Welfare, Taoyuan City, Taiwan.

Project: Coverage and Repeatability of Fall Prevention Interventions and Patient Education Regarding Falls Among Health Workers in the Physical Medicine and Rehabilitation Departments of Hospitals.

- Literature review of fall prevention interventions and patient education.
- Analyzed and interpreted data from self-assessed questionnaires by SPSS.
- Manuscript preparation and translation from Mandarin to English.

Publications

Hsu, E. C., Gadkari, G., Bunker, J., Smith, L., Hua, C. L., Jutkowitz, E., & Thomas, K. S. (in press). Changes in Long-Term Care Markets: Assisted Living Capacity and the Prevalence of Nursing Home Residents with Dementia from 2019 to 2023. *JAMDA*.

Jutkowitz, E., Gadkari, G., **Hsu, E. C.**, Tunalilar, O., Smith, L., Hua, C. L., ... & Thomas, K. S. (2025). Trends in assisted living and memory care supply from 2019 to 2023. *JAMDA*, 26(12), 105890.

Kennedy, K. A., Mohr, D. C., & **Hsu, E. C.** (2025). Personal Care Aide Staffing in US Residential Care Communities: The Role of Aide Training Hours, Training Reimbursement, and Organizational Structures. *J Appl Gerontol*, 07334648251408183.

Hsu, E. C., Spaulding, E. M., & Jutkowitz, E. (2025). Technology Activities and Cognitive Trajectories Among Community-Dwelling Older Adults: National Health and Aging Trends Study. *JMIR Aging*, 8, e77227.

Kim, S. H., Kim, C., **Hsu, E. C.**, Berger, Z., Han, H. R., Koirala, B., ... & Wright, R. (2025). End-of-life care among Koreans in critical care and community-dwelling Korean Americans: A cross-cultural scoping review. *Palliative & Supportive Care*, 23, e210.

Kim, S. H., Chaveza, C., Hinneha, T., **Hsu, E. C.**, Kassaa, G., Won, S., & Byiringiro, S. (in press). Challenging the narrative to reimagine health disparities research and education: Perspectives from international scholars. *Nurse Education Today*, xxx, 106971.

Li, J., He, R., **Hsu, E. C.**, & Li, J. (2025). Network Analysis of Key Instrumental Activities of Daily Living and Cognitive Domains for Targeted Intervention in US Older Adults Without Dementia: Cross-Sectional Study. *JMIR Aging*, 8. <https://doi.org/10.2196/67632>

Hsu, E. C., Tsai, J. H.-C., Chim, K., & Spigner, C. (2025). Multi-level factors of Chinese American family caregivers of individuals with dementia during COVID-19. *Geriatric Nursing*, 62, 200–206. <https://doi.org/10.1016/J.GERINURSE.2025.01.041>

Huang, J., Spira, A. P., Perrin, N. A., Ellis, A., **Hsu, E. C.**, Kaufmann, C. N., & Li, J. (2025). Latent classes of sleep problems and subjective cognitive decline among middle-aged and older adults in the United States. *Archives of Gerontology and Geriatrics*, 129, 105657. <https://doi.org/10.1016/J.ARCHGER.2024.105657>

Sabbatini, A. K., Parrish, C., Duber, H. C., Weaver, M., & **Hsu, E. C.** (2023). Report to the Legislature Emergency Cardiac and Stroke System Assessment. [https://app.leg.wa.gov/ReportsToTheLegislature/Home/GetPDF?fileName=ECS%20Report%20\(Chapter%2058%20Laws%20of%202022\)_8c782540-b0f4-48b7-813d-fe1155f84d2a.pdf](https://app.leg.wa.gov/ReportsToTheLegislature/Home/GetPDF?fileName=ECS%20Report%20(Chapter%2058%20Laws%20of%202022)_8c782540-b0f4-48b7-813d-fe1155f84d2a.pdf)

Presentations

Hsu, E. C., Kennedy, K., Mohr, D. (2025, November) *Personal Care Aide Staffing in U.S. Residential Care Communities: The Role of Aide Training Hours, Training Reimbursement, and Organizational Structures.*

[Oral presentation; Chair of the Late-Breaking Session]. 2025 Annual Scientific Meeting of the Gerontological Society of America. Boston, MA, United States.

Hsu, E. C., Spaulding, E., Jutkowitz, E. (2025, November). *Technology Activities and Cognitive Trajectories Among Community-Dwelling Older Adults: National Health and Aging Trends Study*. [Poster presentation]. 2025 Annual Scientific Meeting of the Gerontological Society of America. Boston, MA, United States.

Hsu, E. C., Gadkari, G., Hua, C., Bunker, J., Smith, L., Jutkowitz, E., & Thomas, K. (2025, June). *Changes in Long-Term Care Markets: Assisted Living Supply and the Prevalence of Nursing Home Residents with Dementia from 2019 to 2021* [Poster presentation]. 2025 Annual Research Meeting of the AcademyHealth. Minneapolis, MN, United States.

Jutkowitz, E., Gadkari, G., **Hsu, E. C.**, Tunalilar, O., Smith, L., Hua, C., ... & Thomas, K. (2025, June). *Trends in County-Assisted Living and Memory Care Supply from 2019-2023* [Poster presentation]. 2025 Annual Research Meeting of the AcademyHealth. Minneapolis, MN, United States.

Hsu, E. C., Jutkowitz, E., & Thomas, K. (2024, November). *The Association Between Digital Technology Activities and Cognitive Domains of Community Dwelling Older Adults* [Poster presentation]. 2024 Annual Scientific Meeting of the Gerontological Society of America. Seattle, WA, United States.

Hsu, E. C., Szanton, S., Pantelyat, A., Kang, K., Huang, J., & Li, J. (2024, June). *Effects of 40 Hz Auditory Interventions on Sleep and Cognition in Older Adults with Mild Cognitive Impairment* [Oral presentation]. 8th Annual Johns Hopkins Sleep & Circadian Research Day. Baltimore, MD, United States.

Huang, J., Spira, A. P., Perrin, N. A., Ellis, A., **Hsu, E. C.**, & Li, J. (2024, June 1-5). *Latent Classes of Sleep Problems and Subjective Cognitive Decline Among U.S. Middle-Aged and Older Adults* [Oral presentation]. SLEEP 2024, Houston, TX, United States.

Hsu, E. C., Tsai, J. H. C., Spigner, C., & Chim, K. (2023, November). *Perceptions and Experiences of Family Caregivers of Older First-Generation Chinese Americans with Dementia* [Poster presentation]. 2023 Annual Scientific Meeting of the Gerontological Society of America. Tampa, FL.

Awards

Graduate Research Assistant Award, Johns Hopkins School of Nursing	2025
SRPP Student Travel Stipend, Gerontological Society of America	2025
Dean's Travel and Conference Fund, Johns Hopkins School of Nursing	2025
Pilot Grant, Center for Equity in Aging, Johns Hopkins School of Nursing	2024
SRPP Student Travel Stipend, Gerontological Society of America	2023
Top 100 Study Abroad Scholarship, Ministry of Education, Taiwan	2023-Present

Other Experience and Professional/Committee Memberships

Member, AcademyHealth	2024-Present
Member, Gerontological Society of America	2023-Present

Core Qualifications

- **Registered Nurse**, New York State Education Department, License#817035-01
- **Basic Life Support (BLS)**, American Heart Association (AHA) certification
- **Statistical Software:** ArcGIS, Dedoose, Microsoft Office programs, R, REDCap, R Markdown, SAS, Stata, and Tableau.
- **Language:** Mandarin (native), English and Cantonese (proficient), Japanese (N3 level)

Teaching Activities

Teaching Assistant

School of Nursing, Johns Hopkins University, Baltimore, MD Jan 2026 - Present
Clinical Data Management and Analyses
NR.210.818.8201, Spring 2026, 112 students (DNP Program)

Teaching Assistant

School of Nursing, Johns Hopkins University, Baltimore, MD Jan 2024 - Aug 2024
The Research Process and Its Application to Evidence-Based Practice

NR.210.608.8301, Spring 2024 , 21 students (DNP Program)
NR.210.608.8101, Summer 2024, 81 students (MSN Program)

Volunteer

Data Analyst & Lecturer

HeartSmiles, Baltimore, MD

Oct 2023 - Dec 2023

GitHub: [BCDS_HeartSmiles_2023](#)

- Applied critical service learning with a non-profit community-based organization through the course *Baltimore Community Data Science*.
- Built a dashboard by R *flexdashboard* package presenting the summer and yearly program outcomes for HeartSmiles's staff for grant writing.
- Taught low-income high school students in Baltimore bi-weekly regarding technology information.