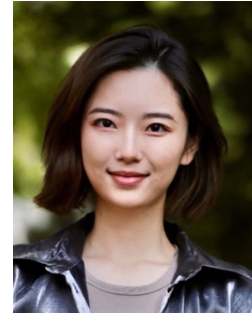


Dingyue (Demy) Wang, PhD, BSN, RN

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EDUCATION

- Aug 2021-May 2026 Duke University, School of Nursing, Durham, NC
Doctor of Philosophy in Nursing (PhD), GPA 3.93/4.00
- Aug 2019-Aug 2021 Emory University, Nell Hodgson Woodruff School of Nursing, Atlanta, GA
Bachelor of Science in Nursing (Graduated with highest honor), GPA 3.97/4.00
- Aug 2017-May 2019 Oxford College of Emory University, Oxford, GA
Associate of Arts and Sciences, GPA 3.94/4.00

HONORS AND AWARDS

- Feb 2025 **Sigma Theta Tau International Rising Star in Research and Scholarship Award**
- Jul 2022 and Jul 2024 **Holditch-Davis Research Award Funding (Awarded twice)** | Duke University
- May 2021 **Dean's List** | Emory University, Nell Hodgson Woodruff School of Nursing
- May 2019 **Oxford Honor List** | Oxford College of Emory University

RESEARCH PROJECT EXPERIENCE

Scale Development (From Conceptual Framework to Empirical Validation) (Duke University)

- **Development of Caregiver Motivation Appraisal Scale (CMAS)** | Aug 2024 – Present
Led the development and validation of a scale measuring caregivers' voluntary and obligatory motivations and evaluated its psychometric properties.
- **Qualitative Research on Caregiving Appraisal in Chronic Illness and Disability** | Apr 2024 – Present
Designed and conducted in-depth interviews with 20 caregivers to explore complex, emotionally sensitive caregiving experiences. Led qualitative data analysis, including data transcription, codebook development, field notes, analytic memos, and reflective journaling. Translated qualitative findings into conceptually grounded themes to inform item generation for subsequent scale development.
- **Development of New Caregiving Appraisal Scale (NCAS)** | Aug 2023 – Nov 2024
Led the development of the NCAS and evaluated its psychometric properties based on the U.S. National Study of Caregiving Dataset.
- **Concept Analysis of Caregiving Appraisal** | Aug 2021 – Mar 2025
Conducted concept analysis using Rodgers' evolutionary method. Clarified dimensions of caregiving appraisal and provided theoretical foundation for subsequent scale development.

Technology-Enabled Interventions in Caregiver Support and Palliative Care (Duke University)

- **CLARE Caregiver Hospital Discharge Transition Intervention Study** | Jan 2022 – Present
Deeply involved in the full process of intervention research, including development of the CLARE application and full participant management (eligibility screening, recruitment, informed consent, follow-up and retention). Conducted interviews, qualitative and quantitative analyses to evaluate intervention effectiveness, user experience, and behavioral patterns. (Funding support: Duke Chancellor's Funding)

- **PC-Planner Palliative Care Intervention Study** | Jun 2023 – May 2025

Deeply involved in the evaluation of the PC-Planner application in ICU palliative care settings, responsible for interviews, qualitative analysis, and evaluation of intervention effectiveness, user experience, and behavioral patterns. (Funding support: NIH R01AG058915)

Participated in a parallel study exploring the role of spirituality in family caregivers' decision-making and coping in ICU; responsible for participant interviews and qualitative analysis. (Funding support: NIH U54 MD012530)

Evidence Synthesis and Knowledge Integration in Health and Nursing Sciences

- **Mitigating Bias in Clinical AI Algorithms** | Duke | Jan 2023 – Oct 2023

Conducted data extraction, synthesis, and analysis for a scoping review that produced (1) concrete strategies to mitigate racial and ethnic bias in AI-enabled clinical decision-making, and (2) conceptual framework updates and policy recommendations to advance algorithmic equity. Provided consulting for interdisciplinary teams on JBI scoping review methodology and Covidence software.

- **Rehabilitation Trajectories after Hip Fracture in Older Adults** | Duke | Aug 2022 – May 2023

Responsible for article screening, data extraction, and result analysis for a scoping review.

- **Memory and Cognition of Family Caregivers** | Duke | Jan 2023 – Present

Led full process of a scoping review, including research design, literature screening, data extraction, analysis, manuscript writing, and project management.

- **Systematic Review on Sleep Disturbances in Dementia Caregivers** | Emory | Aug 2019 – Aug 2021

End-to-end experience of a systematic review, including conceptualization, methodological design, article screening, data extraction, formal analysis, manuscript preparation, and project administration.

Other Research Projects Led

- **Healthcare Utilization Patterns of persons with Alzheimer's disease** | Duke | Aug 2022 – May 2024

Led data analysis based on clinical database DEDUCE, systematically studied characteristics and healthcare utilization patterns of 1600+ persons with Alzheimer's disease hospitalized during the COVID-19 pandemic.

- **Triple-Negative Breast Cancer Cell Study** | Emory | Jan 2019 – Jun 2019

Led biology research on the effects of E-cadherin overexpression on metastatic characteristics, angiogenesis, and mesenchymal/epithelial markers in triple-negative breast cancer cells.

TEACHING EXPERIENCE

- **Tutor, Pre-Licensure Program** | Duke University | Jan 2026 – May 2026

Provided small-group tutoring for pre-licensure nursing courses, including *Nursing Care of Patients with Complex Health Problems* and *Gerontological Nursing: Caring for an Aging Population*, supporting students' clinical reasoning and mastery of complex concepts.

- **Teaching Assistant, Evidence-Based Nursing Course** | Duke University | May 2023 – Aug 2023

Delivered lectures and graded assignments for the graduate-level course *Nurse as Scholar II: Evidence-Based Practice*.

- **Instructor, Statistics Laboratory Course** | Duke University | Aug 2022 – Jan 2023

Independently taught statistics lab, systematically guided Nursing PhD students to master SAS programming and data analysis methods.

- **Research Methods Tutor** | Duke University | Jan 2023 – Jan 2024

Supervised graduate students, systematically trained them in scoping review methodology and research design and analysis skills.

• **Scientific Writing Tutor** | Emory University | Jan 2018 – Dec 2018

Provided biweekly tutoring in biology and chemistry scientific writing for undergraduates.

SCHOLARSHIP: PUBLICATIONS

Peer-Reviewed Publications

- **Wang, D.**, Yang, Q., Cary, M. P. Jr., Gray, T. F., & Hendrix, C. C. (2026). Development and Initial Testing of Caregiver Motivation Appraisal Scale. *Research in Gerontological Nursing*. [Accepted for publication]
- **Wang, D.**, Rushton, S., Ledbetter, L., Graton, M., Ramos, K., Cary, M. P. Jr., Gray, T. F., & Hendrix, C. C. (2025). Understanding the multidimensionality of caregiving appraisal: A concept analysis. *Nursing Forum*, 2025(1), 6087774.
- Akeke, O. F., **Wang, D.**, Ejem, D., Johnson, K. S., Docherty, S. L., Cox, C. E., Dempsey, K., Fish, L., Sodhi, S., Shenoy, D., Charan, N., Bah, M. S., & Ashana, D. C. (2025). A descriptive qualitative study of religion and spirituality's role in critical illness decision making among Black and White family caregivers. *CHEST Critical Care*, 100113.
- **Wang, D.**, Hendrix, C. C., Lee, Y., Noval, C., & Crego, N. (2024). Characteristics of older adults with Alzheimer's disease who were hospitalized during the COVID-19 pandemic: A secondary data analysis. *International Journal of Environmental Research and Public Health*, 21, 703.
- **Wang, D.**, Rushton, S., Ledbetter, L., Graton, M., Ramos, K., & Hendrix, C. C. (2024). Factors associated with memory of informal caregivers: A scoping review protocol. *PLOS ONE*, 19(1), e0295449. <https://doi.org/10.1371/journal.pone.0295449>
- Cary, M. P., Zink, A., Wei, S., Olson, A., Yan, M., Senior, R., Bessias, S., Gadhoumi, K., Jean-Pierre, G., **Wang, D.**, Ledbetter, L. S., Economou-Zavlanos, N. J., Obermeyer, Z., & Pencina, M. J. (2023). Mitigating racial and ethnic bias and advancing health equity in clinical algorithms in healthcare: A scoping review. *Health Affairs*.
- Xue, T., Cao, J., Ledbetter, L., Graton, M., Zhan, Y., **Wang, D.**, Lee, Y., & McConnell, E. (2022). Trajectories of health recovery after hip fracture in older adults: A scoping review. *Innovation in Aging*, 6(Suppl_1), 840–840.
- Brewster, G., **Wang, D.**, McPhillips, M. V., & Yang, I. (2021). Sleep disturbances of family caregivers of persons living with Alzheimer's disease and related dementias: A systematic review. *Clinical Gerontologist*.

Manuscripts Under Review

- **Wang, D.**, Cary, M. P. Jr., Gray, T. F., Oyesanya, T., & Hendrix, C. C. (2026). Understand Caregiving Appraisal in Chronic Illness and Disability Caregiving Over Extended Period: A Qualitative Study. *Journal of Gerontological Nursing* [under review]

SCHOLARSHIP: PRESENTATIONS

International Presentations

- **Wang, D.**, Yang, Q., Cary, M., Gray, T., & Hendrix, C. C. (2025). Development of New Family Caregiving Motivation Scale [Podium presentation]. GSA Annual Scientific Meeting.
- **Wang, D.**, Cary, M., Yang, Q., Gray, T., & Hendrix, C. C. (2025). [Poster presentation] Understand caregiving appraisal in chronic illness and disability caregiving over extended period. Sigma 48th Biennial Convention.
- Hendrix, C. C. & **Wang, D.** (2025). Facilitators and barriers in using technology in caregiver support for hospital discharge [Podium presentation]. 36th International Nursing Research Congress.

- **Wang, D.,** Matters, D., Gallagher, D., & Hendrix, C. C. (2024). Exploring the feasibility and utilization of CLARE: A mobile application for caregivers after hospital discharge [Podium presentation]. GSA Annual Scientific Meeting.
- **Wang, D.** (2022). Relationship between cognitive stress appraisal and cognitive functioning in healthy adults: A scoping review [Poster presentation]. Sigma's 33rd International Nursing Research Congress.

National Presentations

- **Wang, D.,** Silva, S., & Hendrix, C. (2024). Measuring caregiving appraisal in persons living with and without dementia [Poster presentation]. Building Bridges Caregiving Research Conference (BBCRC).
- **Wang, D.,** Rushton, S., Ledbetter, L., Graton, M., Ramos, K., Cary, M., Gray, T., & Hendrix, C. (2024). Caregiving appraisal: A concept analysis using Rodgers' evolutionary method [Poster presentation]. Building Bridges Caregiving Research Conference (BBCRC).
- **Wang, D.,** Silva, S., & Hendrix, C. (2024). Developing the National Study of Caregiving – Caregiving Appraisal Measure for Caregivers of Persons with Dementia [Podium presentation]. Council for the Advancement of Nursing Science (CANS).

Local, State, and Regional Presentations

- **Wang, D.,** Hendrix, C. C., Lee, Y., Noval, C., & Crego, N. (2023). Healthcare utilization in persons living with Alzheimer's disease during the COVID-19 pandemic: A secondary data analysis [Poster presentation]. Southern Nursing Research Society 37th Annual Conference.
- **Wang, D.** & Hendrix, C. C. (2023). The use of an app (CLARE) in caregiver support and training [Poster presentation]. Duke University Health Data Science Poster Showcase.
- **Wang, D.,** Brewster, G., McPhillips, M. V., & Yang, I. (2021). Sleep disturbances of family caregivers of persons living with Alzheimer's disease and related dementias: A systematic review [Poster presentation]. Midwest Nursing Research Society.

CERTIFICATIONS

- **Certificate in Nursing Education** | Duke University | Aug 2025
- **Registered Nurse (RN)** – License #342339 | North Carolina Board of Nursing | Feb 2022 – Present
- **Basic Life Support (BLS) Certification** | American Heart Association | Aug 2019 – Present

CLINICAL EXPERIENCE

- **Nursing Internships** | Emory University | Aug 2019 – Aug 2021
Rotated through diverse clinical settings, including Emory University Hospital, Emory University Hospital Midtown, Emory Johns Creek Hospital, Grady Brookhaven Health Center, Hillside Hospital, Children's Healthcare of Atlanta, Gateway Center, and Sheltering Arms International Village.
 - Assisted in cardiac catheterization and electrophysiology labs; supported interventional procedures and post-operative care.
 - Contributed to long-term recovery support for individuals with co-occurring mental health and substance use challenges.
 - Supported care planning and therapeutic engagement with adolescents in an inpatient psychiatric setting.
 - Delivered foundational nursing care in a general medical–surgical unit, managing diverse patient populations.
 - Assisted in labor and delivery, postpartum care, and neonatal intensive care for high-risk infants.

- Provided developmental and daily care support for patients with autism and Down syndrome.
- Assisted in telemetry monitoring and post-operative cardiac care for step-down patients.
- Delivered pediatric acute care for children with diverse medical conditions.
- Provided care for women and children in community-based outpatient settings.

SERVICE

Reviewer for Scholarly Journals | Aug 2022 - Present

- Served as peer reviewer for over 50 manuscripts across journals, including Innovation in Aging, BMC Geriatrics, BMC Medical Informatics and Decision Making, BMC Health Services Research, BMC Nursing, BMC Neurology, BMC Medical Education, BMC Cardiovascular Disorders, JBI Evidence Synthesis, PLOS ONE, Advances in Geriatric Medicine and Research, Scientific Reports, Psychology, Health & Medicine, Ageing International, Journal of Population Ageing, Psycho-Oncology, JMIR Formative Research, and Journal of Family Nursing.

Academic and Professional Peer Mentor | Duke University | Aug 2022 – Present

- Provide academic and professional mentorship to 1st year PhD students, supporting their transition and development in the program.

Communication Committee Member | Duke University, Sigma Theta Tau Beta, Epsilon Chapter | Aug 2022 – May 2024

- Managed chapter social media content (Instagram, Facebook), event flyers, and website updates to enhance member engagement.

Stress First Aid (SFA) Champion | Duke University | May 2022 – May 2024

- Conducted timely assessments and early interventions for peers experiencing psychological stress or trauma; promoted emotional recovery and peer support in clinical and academic settings.

Student Advisory Committee Member | Emory Global Health Institute | Oct 2020 – Aug 2021

- Served as student liaison and advocate to EGHI leadership; coordinated speaker series, community service initiatives, and interdepartmental student engagement across Emory University.