

CURRICULUM VITAE

Qinglan (Priscilla) Ding, MBBS, AGPCNP, Ph.D.

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DEMOGRAPHIC INFORMATION

Faculty Appointments

2025-Present	Associate Professor, School of Nursing, College of Health and Human Sciences, Purdue University, West Lafayette, IN
2018-2025	Assistant Professor, School of Nursing, College of Health and Human Sciences, Purdue University, West Lafayette, IN
2018-Present	Faculty Associate, Regenstrief Center for Healthcare Engineering (RCHE), Purdue University, IN
2018-Present	Faculty Associate, Center on Aging and the Life Course, Purdue University, IN
2019-Present	Faculty Member, Center for Research on Brain, Behavior, and Neurorehabilitation (CEREBBRAL), Purdue University, IN
2022-Present	Faculty Member, Institute of Inflammation, Immunology and Infectious Disease, Purdue University, IN
2024-Present	Board Member, Institutional Review Board (IRB), Purdue University, IN

Administrative Appointments

2025-Present	Director of Adult Gerontology Primary Care Nurse Practitioner (AGPCNP) Program, School of Nursing, Purdue University, West Lafayette, IN
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Education and Training

Undergraduate (Double Degree)

2003-2008	Bachelor of Medicine (MBBS), Graduated with honors, Southwest Medical University, Sichuan, China
2007-2010	Bachelor of Science (BS) in Pre-Medicine, Phi Kappa Phi, Michigan State University, MI

Doctoral/Graduate

2010-2013	Master of Science (M.S.) in Adult/Gerontology Primary Care Nurse Practitioner specialization, Purdue University, West Lafayette, IN
2013-2018	Doctorate of Philosophy (Ph.D.), Yale Graduate School of Arts and Sciences, Yale University, New Haven, CT Dissertation: Association between diabetes and health outcomes in young women and men after acute myocardial infarction (Secondary analysis using mixed effects models)

Postgraduate

2013-2016	Training Track in Sleep Medicine and Sleep Research, Yale University, CT
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Postdoctoral

2018-2021	Fellowship in Cardiovascular Clinical Research, Cleveland Clinic, OH
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	Project: Sodium-glucose co-transporter-2 inhibitors (SGLT-2i) use and diabetes specific and general health status changes among adults with diabetes and cardiovascular disease
2021-2022	Fellowship in Data Analytics, Data Incubator, Pragmatic Institute, AZ Milestone project: Dashboard development for visual analytics of sleep disturbances and their association with cardiovascular disease, sex, and race/ethnicity, using National Health and Nutrition Examination Survey (NHANES: 1998-2018)
2023-2024	Global Clinical Scholar Research Training (GCSRT) program, Harvard Medical School, MA Concentration: Advanced Quantitative Methods of Epidemiology
2024 summer	NIH Data and AI Intensive Research with Rigor and Reproducibility (DAIR3) Bootcamp, University of Michigan, Ann Arbor, MI

RESEARCH ACTIVITIES

- 2018-Present Principal Investigator, Purdue University, IN
- 2018-2021 Principal Investigator with mentorship, Cleveland Clinic, OH
- 2017-2018 Research Assistant, Yale University, School of Nursing, CT
- 2015-2018 Postgraduate Research Associate, The Center for Outcomes Research and Evaluation (CORE), Yale University, CT
- 2014-2015 Research Assistant, Yale University, CT
- 2013-2018 Dissertation Research, Yale University, CT
- 2013-2014 Research Assistant, Yale University, CT
- 2011-2013 Research Assistant, Purdue University, IN
- 2010 Research Assistant, Michigan State University, MI
- 2006-2008 Research Associate, Southwest Medical University, Sichuan, China

Funded Research Projects:

1. 2024 Showalter Trust Research Award, **Ding (PI)**, Ralph W. and Grace M. Showalter Research Trust, 07/01/2024-07/31/2025
Machine learning for diabetes and pre-diabetes screening: Leveraging routinely collected health data and social and behavioral determinants of health
2. Health Disparities Research Study Targeting Racial and Ethnic Minority Populations in Indiana, **Ding (PI)**, Indiana Minority Health Coalition, 07/01/2024-07/31/2025

Mapping Cardiometabolic Health: A Tailored Strategy for Indiana's Rural Hispanic Community

3. Synergistic Connections Between Life and Social Sciences Award, **Ding (PI)**, Purdue University, 06/2022-06/2023
Intensive Blood Pressure Control and Cognitive Impairment: The Role of Diabetes
4. Clifford B. Kinley Trust Award, **Ding (PI)**, 05/2021-05/2022
Associations of combined socioeconomic, metabolic, and lifestyle risks with undiagnosed diabetes among different racial and ethnic groups
5. U.S. State Department: Stevens Initiative & Aspen Institute, **Ding (Purdue Site PI)**, 08/2021-04/2022
Research, Education, and Advocacy for Community Health (REACH): Data Analytics in Public Health
6. AstraZeneca, **Ding (PI with mentorship)**, 11/2020-12/2021
Type 2 Diabetes: Treatment satisfaction, symptoms, and quality of life
7. Health Resources and Services Administration (HRSA-19-018), **Ding (Co-Investigator)**, 08/2020-07/2021
Quality processes for health improvement (QPHI) - Marion General Hospital
8. Protect Purdue Innovations Faculty Grants, **Ding (PI)**, 10/2020-12/2020
The Effects of COVID-19 on Mental Health and General Health Status among University Students
9. Purdue PRF Summer Faculty Grant, **Ding (Purdue Site PI)**, 06/2020-07/2020
Associations Between Polysomnographic Phenotypes of Obstructive Sleep Apnea and Incident Type 2 Diabetes: Results from the DREAM Study

Peer-reviewed Research Publications:

1. **Ding Q**, Herrin J, Kryger M. Sex-specific associations between habitual snoring and cancer prevalence: insights from a US Cohort Study. SLEEP Advances 2024;5(1) doi: 10.1093/sleepadvances/zpae051
2. Sawano M, Wu Y, Shah RM, Zhou T, Arun AS, Khosla P, Kaleem S, Vashist A, Bhattacharjee B, **Ding Q**, Lu Y, Caraballo C, Warner F, Huang C, Herrin J, Putrino D, Michelsen T, Fisher L, Adinig C, Iwasaki A, Krumholz HM. Long COVID Characteristics and Experience: A Descriptive Study from the Yale LISTEN Research Cohort. The American Journal of Medicine. 2024 Apr 23:S0002-9343(24)00238-9. doi: 10.1016/j.amjmed.2024.04.015. Epub ahead of print. PMID: 38663793.
3. **Ding Q**, Lu Y, Herrin J, Zhang T, Marrero DG. Uncovering heterogeneous cardiometabolic

risk profiles in US adults: the role of social and behavioral determinants of health. *BMJ Open Diabetes Research & Care*. 2023;11(5):e003558. doi:10.1136/bmjdr-2023-003558.

4. **Ding, Q.**, Spatz, E. S., Bena, J. F., Morrison, S. L., Levay, M., Lin, H., Grey, M., Edwards, N. E., Isaacs, D., West, L., Combs, P., & Albert, N. M. (2023). Association of SGLT-2 Inhibitors with treatment satisfaction and diabetes-specific and general health status in adults with cardiovascular disease and type 2 diabetes. *J Am Heart Assoc*, 12(17), e029058. <https://doi.org/10.1161/jaha.122.029058>.
5. Bravata DM, Purvis T, **Ding Q**, Waddell KJ, Kilkenny MF. Advances in Stroke: Quality Improvement. *Stroke*. Apr 13 2023;doi:10.1161/strokeaha.123.042310.
6. Gonzalez-Canas, C, **Ding, Q**, Simpson, VL, & Hass, Z. (2023). Testing race differences in risk of gestational diabetes mellitus associated with household food insecurity (Using NHANES 2007-2018). *Am J Perinatol*. <https://doi.org/10.1055/s-0043-1776351>.
7. Pietras, JJ, Richards, E, **Ding, Q**, & Tashjian-Gibbs, M. (2023). Examining changes in knowledge and practice in nurse practitioners after an online educational module on obstructive sleep apnea. *Appl Nurs Res*, 71, 151685. <https://doi.org/10.1016/j.apnr.2023.151685>
8. **Ding Q**, Ward MD, Edwards N, Wu EA, Kersey S, Funk M (2023) A mixed-methods approach to understand university students' perceived impact of returning to class during COVID-19 on their mental and general health. *PLoS ONE* 18(1): e0279813. <https://doi.org/10.1371/journal.pone.0279813>.
9. **Ding Q**, Funk M, Spatz ES, Lin H, Batten J, Wu E, Whittemore R. Sex-specific impact of diabetes on all-cause mortality among adults with acute myocardial infarction: An updated systematic review and meta-analysis, 1988-2021. *Frontiers in Endocrinology (Lausanne)*. 2022, 13:918095.
10. Lu Y, Zhang H, Lu J, **Ding Q**, Li X, Wang X, Sun D, Tan L, Mu L, Liu J, Feng F, Yang H, Zhao H, Schulz WL, Krumholz HM, Pan X, Li J. Prevalence of Dyslipidemia and Availability of Lipid-Lowering Medications Among Primary Health Care Settings in China. *JAMA network open*. 2021;4(9): e2127573-e. doi: 10.1001/jamanetworkopen.2021.27573.
11. **Ding Q**, Qin L, Wojeck B, Inzucchi SE, Ibrahim A, Bravata DM, Strohl KP, Yaggi HK, Zinchuk AV. Polysomnographic Phenotypes of Obstructive Sleep Apnea and Incident Type 2 Diabetes: Results from the DREAM Study. *Annals of the American Thoracic Society*. 2021 Jun 29. PMID: 34185617. doi: 10.1513/AnnalsATS.202012-1556OC.
12. **Ding Q**, Massey D, Huang C, Grady CB, Lu Y, Cohen A, Lu Y, Cohen A, Matzner P, Mahajan S, Caraballo C, Kumar N, Xue Y, Dreyer R, Roy B, Krumholz HM. Tracking self-reported symptoms and medical conditions on social media during the COVID-19 pandemic: Infodemiological Study. *Journal of Medical Internet Research Public Health Surveillance*. 2021 Sep 28;7(9): e29413. PMID: 34517338. doi: 10.2196/29413.

13. Kumar, N., Walter, N., Nyhan, K., Khoshnood, K., Tucker, J. D., Bauch, C. T., **Ding, Q.**, Jones-Jang, S. M., De Choudhury, M., Schwartz, J. L., Papakyriakopoulos, O., & Forastiere, L. (2022). Interventions to Mitigate COVID-19 Misinformation: Protocol for a Scoping Review. *Systematic Review*, 11(1), 107. <https://doi.org/10.1186/s13643-022-01917-4>
14. Janmohamed, K., Walter, N., Nyhan, K., Khoshnood, K., Tucker, J. D., Sangngam, N., Altice, F. L., **Ding, Q.**, Wong, A., Schwitzky, Z. M., Bauch, C. T., De Choudhury, M., Papakyriakopoulos, O., & Kumar, N. (2021). Interventions to Mitigate COVID-19 Misinformation: A Systematic Review and Meta-Analysis. *Journal of Health Communication*, 26(12), 846-857. <https://doi.org/10.1080/10810730.2021.2021460>
15. Massey D, Huang C, Lu Y, Cohen A, Oren Y, Moed T, Matzner P, Caraballo C, Kumar N, Xue Y, **Ding Q**, Dreyer R, Roy B, Krumholz H. Engagement With COVID-19 Public Health Measures in the United States: A Cross-sectional Social Media Analysis from June to November 2020. *Journal of Medical Internet Research*. 2021 Jun 21;23(6): e26655. PMID: 34086593. doi: 10.2196/26655.
16. **Ding Q**, Spatz ES, Lipska KJ, Lin H, Spertus JA, Dreyer RP, Whittemore R, Funk M, Bueno H, Krumholz HM. Newly diagnosed diabetes, and outcomes after acute myocardial infarction in young adults. *Heart*. 2020 Oct 20: heartjnl-2020-317101. doi: 10.1136/heartjnl-2020-317101. Epub ahead of print. PMID: 33082173.
17. Zheng X, Spatz ES, Bai X, Huo X, **Ding Q**, Horak P, Wu X, Guan W, Chow CK, Yan X, Sun Y, Wang X, Zhang H, Liu J, Li J, Li X, Spertus JA, Masoudi FA, Krumholz HM. Effect of text messaging on risk factor management in patients with coronary heart disease: The CHAT randomized clinical trial. *Circulation: Cardiovascular Quality and Outcomes*. 2019;12: e005616.
18. **Ding Q**, Funk M, Spatz ES, Whittemore R, Lin H, Lipska KJ, Dreyer RP, Spertus JA, Krumholz HM. Association of diabetes mellitus with health status outcomes in young women and men after acute myocardial infarction: Results from the VIRGO study. *Journal of American Heart Association*. 2019;8: e010988.
19. Huo X, Krumholz HM, Bai X, Spatz ES, **Ding Q**, Horak P, Zhao W, Gong Q, Zhang H, Yan X, Sun Y, Liu J, Wu X, Guan W, Wang X, Li J, Li X, Spertus JA, Masoudi FA, Zheng X. Effects of mobile text messaging on glycemic control in patients with coronary heart disease and diabetes mellitus: A randomized clinical trial. *Circulation: Cardiovascular Quality and Outcomes*. 2019;12: e005805.
20. Lu Y, **Ding Q**, Xu X, et al. Sex differences in omega-3 and -6 fatty acids and health status among young adults with acute myocardial infarction: results from the VIRGO study. *Journal of American Heart Association*. 2018; 7(11).
21. Dreyer RP, Zheng X, Xu X, Liu S, Li J, **Ding Q**, Du X, Li X, Zhang H, Masoudi FA, Spertus JA, Krumholz HM and Jiang L. Sex differences in health outcomes at one year following

acute myocardial infarction: A report from the China Patient-Centered Evaluative Assessment of Cardiac Events prospective acute myocardial infarction study. *European Heart Journal-Acute Cardiovascular Care*. 2018;2048872618803726.

22. **Ding Q**, Redeker N, Pisani MA, Yaggi HK, & Knauert MP. Factors influencing patients' sleep in the intensive care unit: perceptions of patients and clinical staff. *American Journal of Critical Care*, 2017. 26(4): p. 278-286.
23. Huo, X., Spatz, E. S., **Ding, Q.**, Horak, P., Zheng, X., Masters, C., Zhang, H., Irwin, M. L., Yan, X., Guan, W., Li, J., Li, X., Spertus, J. A., Masoudi, F. A., Krumholz, H. M., & Jiang, L. (2017). Design and rationale of the Cardiovascular Health and Text Messaging (CHAT) Study and the CHAT-Diabetes Mellitus (CHAT-DM) Study: two randomised controlled trials of text messaging to improve secondary prevention for coronary heart disease and diabetes. *BMJ Open*, 7(12), e018302. <https://doi.org/10.1136/bmjopen-2017-018302>.
24. **Ding Q**, Whittemore R, Redeker N. (2016). Excessive daytime sleepiness in stroke survivors: An integrative review. *Biological Research Nursing*. doi:10.1177/1099800415625285.
25. **Ding Q**, Yehle KS, Edwards NE, & Griggs RR. (2014). Geriatric heart failure: Awareness, evaluation, and treatment in primary care. *The Journal for Nurse Practitioners*, 10(1), 49-54.

Invited Commentary/Review Articles

1. **Ding Q**, Wojeck B, Zinchuk A. Understanding the impact of night-to-night sleep variations on glucose regulation in healthy young adults: Insights from Ng et al. (2024). *SLEEP* 2024 doi: 10.1093/sleep/zsae253 [published Online First: 20241026]
2. Zinchuk A, **Ding Q**. A commentary on Polysomnographic Phenotypes of Obstructive Sleep Apnea and Incident Type 2 Diabetes: Results from the DREAM Study. *PracticeUpdate* website. Available at: <https://www.practiceupdate.com/content/polysomnographic-phenotypes-of-obstructive-sleep-apnea-and-incident-type-2-diabetes/120469/65/20/1>. Accessed July 22, 2021
3. **Ding Q**, Kryger M. Greater health care utilization and cost associated with untreated sleep apnea. *Journal of Clinical Sleep Medicine*. 2020; 16:5-6.

Invited journal blog contributor:

2023-2025 *Blogging Stroke program* for the journal of *Stroke*

- 1) Ding Q., Life's Essential 8 and Stroke Risk: Insights from a Decade-Long Chinese Cohort Study, April 14, 2025. DOI: 10.1161/blog.20250414.604865
- 2) **Ding Q.**, Predicting Atrial Fibrillation After Stroke: Can Genetics Improve Risk Stratification? February 6, 2025. DOI: 10.1161/blog.20250206.377392

- 3) **Ding Q.**, Stroke Risk After an ED Visit for a Fall: A Missed Opportunity for Early Intervention? December 6, 2024. DOI: 10.1161/blog.20241206.523847
- 4) **Ding Q.**, Longitudinal Impact of BMI on Cerebrovascular Disease Risk: Insights from the NFBC 1966 Cohort", July 2, 2024. DOI: 10.1161/blog.20240702.330099
- 5) **Ding Q.**, New Horizons in Poststroke Hyperglycemia Management: The Promise of Exenatide", American Heart Association Blogs, March 26, 2024, DOI: 10.1161/blog.20240322.661135.
- 6) **Ding Q.**, Study Unravels Sex-Related Biomarkers in Carotid Plaque Stability", American Heart Association Blogs, March 11, 2024, DOI: 10.1161/blog.20240311.39781.
- 7) **Ding Q.**, Understanding Stroke Risks with Assisted Reproductive Technology", American Heart Association Blogs, March 6, 2024, DOI: 10.1161/blog.20240306.455434.
- 8) **Ding Q.**, Stress, Acute or Chronic: An Influencer on Poststroke Functional Outcomes, American Heart Association Blogs, January 24, 2024, DOI: 10.1161/blog.20240124.412716.
- 9) **Ding Q.**, Impact of Poststroke Fracture on Quality of Life: Insights from a Retrospective Cohort Study, American Heart Association Blogs, November 20, 2023, DOI: 10.1161/blog.20231120.39709.
- 10) **Ding Q.**, AHA Scientific Sessions: Shifting Paradigms in Obesity Management: The SELECT Trial's Pathbreaking Findings, American Heart Association Blogs, November 14, 2023, DOI: 10.1161/blog.20231114.240007.
- 11) **Ding Q.**, AHA Scientific Sessions: Unraveling the Ties Between Heart, Kidney, and Metabolic Diseases, American Heart Association Blogs, November 14, 2023, DOI: 10.1161/blog.20231114.684866.
- 12) **Ding Q.**, Life's Essential 8 and Risk of Stroke: Unveiling the Path to Optimal Cardiovascular Health and Stroke Prevention, American Heart Association Blogs, October 27, 2023, DOI: 10.1161/blog.20231027.415480.

Journal peer review activities:

Assistant Reviewer Program:

2023-Present *Circulation: Cardiovascular Quality and Outcomes*

Reviewer:

2024-Present *Journal of Sleep Research*

2024-Present *SLEEP*

2024-Present SLEEP Advances
2024-Present *Journal of Adolescent Health*
2023-Present *Journal of The American College of Cardiology (JACC): Cardiovascular Imaging*
2023-Present *BMJ Open Diabetes Research & Care*
2023-Present *PLoS One*
2023-Present *PLoS Computational Biology*
2022-Present *Circulation*
2022-Present *European Heart Journal*
2022-Present *Journal of Clinical Medicine*
2022-Present *Journal of American Heart Association (JAHA)*
2022-Present *Stroke*
2022-Present *Sensors*
2021-Present *Journal of Medical Internet Research (JMIR)*
2020-Present *Sleep and Breathing*
2020-Present *Open Heart*
2019-Present *Annals of Epidemiology*
2018-Present *Journal of The American College of Cardiology (JACC)*
2018-Present *JACC Heart Failure*

Conference Presentations

1. Bravata, D, Perkins, A., Myers, L., Daggy, J., Sexson, A., Taylor, S., Burrone, L., Koo, B., Miech, E., Rattray, N., Story, K., Waddell, K., **Ding, Q.**, Sico, J. (Feb 2025). Abstract WMP51: Addressing Sleep Apnea Post-Stroke and Transient Ischemic Attack (ASAP) Stepped-Wedge Cluster-Randomized Trial: Effectiveness of a Quality Improvement Intervention to Increase Sleep Apnea Diagnostic Testing. *Stroke*. 2025;56:AWMP51-AWMP.
2. **Ding, Q.** Huber, J., Lu, Y., Lee, M. K., Hammers, D., & Lin, H. (Nov 2023). Abstract 15307: Sex-Specific Cognitive Effects of Intensive Systolic Blood Pressure Lowering in Patients With and Without Diabetes Mellitus. *Circulation*, 148(Suppl_1), A15307-A15307. https://doi.org/doi:10.1161/circ.148.suppl_1.15307
3. **Ding, Q.** (2023 November), Incorporating patient-reported outcomes in caring individuals with cardiovascular disease and diabetes, presented virtually at the Cardiovascular Nursing Symposium organized by the *Nursing Chapter of the Colombian Society of Cardiology and Cardiovascular Surgery*, Colombia.
4. **Ding, Q.** Lu, Y., Herrin, J., Zhang, T., & Marrero, D. G. (June 2023). Incorporating social and behavioral determinants of Health into classification of cardiometabolic risk in US adults without known diabetes. *American Diabetes Association 83rd Scientific Session*, San Diego, CA.
5. **Ding Q.** (December 2022). Incorporating patient-reported outcomes in caring for individuals with cardiovascular disease and diabetes. *Regenstrief Center for Healthcare Engineering Health Systems Seminar*, West Lafayette, IN.

6. **Ding Q**, Funk M, Spatz ES, Lin, H, Batten J, Wu E, and Whittemore R (November 2022). An updated systematic review and meta-analysis on sex-specific impact of diabetes and all-cause mortality risk in adults with acute myocardial infarction. *American Heart Association Scientific Sessions 2022*, Chicago.
7. Gonzalez-Canas, C, **Ding, Q**, Simpson, VL, Hass, Z (October 16-19, 2022). Testing race differences in risk of gestational diabetes mellitus associated with household food insecurity (Using NHANES 2007-2018). (Poster, Peer Reviewed). *INFORMS Annual Meeting 2022*, Indianapolis, IN.
8. **Ding Q**, Spatz ES, Isaacs D, Bena J, Morrison S, Levay M, et al. Cardiovascular disease and type 2 diabetes: Treatment satisfaction, quality of life and diabetes-related symptoms when receiving sodium-glucose cotransporter 2 inhibitors versus other noninsulin diabetes medication. *Journal of the American College of Cardiology*. 2022;79(9_Supplement):1547-. doi: doi:10.1016/S0735-1097(22)02538-4.
9. **Ding, Q**, (2022 April). Cardiovascular disease and type 2 diabetes treatment satisfaction, quality of life and diabetes related symptoms, presented at *17th Clinical Nursing Research Conference*, Cleveland Clinic, OH.
10. **Ding Q**, (September 29, 2021). Using national survey data and a data-driven approach to predict cardiometabolic conditions. Invited guest speaker at *College of Education's research meeting*. Purdue University, West Lafayette, IN.
11. **Ding Q**, Qin L, Wojeck B, Inzucchi S, Ibrahim A, Bravata D, Strohl KP, Yaggi, HK, Zinchuk A (May 14, 2021). Associations Between Polysomnographic Phenotypes of Obstructive Sleep Apnea and Incident Type 2 Diabetes (poster presentation). *American Journal of Respiratory and Critical Care Medicine*. 2021; 203: A4679.
12. **Ding Q**, Qin L, Wojeck B, Inzucchi S, Ibrahim A, Bravata D, Strohl KP, Yaggi, HK, Zinchuk A (April 30, 2021). Associations Between Polysomnographic Phenotypes of Obstructive Sleep Apnea and Incident Type 2 Diabetes (poster presentation). *Sixth Annual Sleep & Symptom Research Symposium*, Yale School of Nursing, CT.
13. **Ding Q**, (December 8, 2020). Propensity score matching: An illustrative clinical example. *Professional Grand Rounds*, Cleveland Clinic, OH.
14. **Ding Q**, Spatz, E., Lipska, K., Lin, H., Spertus, J. A., Dreyer, R., Whittemore, R., Funk, M., Bueno, H., & Krumholz, H. M. (March 2020). Screening for newly diagnosed diabetes in young adults hospitalized with acute myocardial infarction-results from the VIRGO (Variation in Recovery Role of Gender on Outcomes of Young Acute Myocardial Infarction Patients) study (poster presentation). *American College of Cardiology 2020 Scientific Session/World Congress of Cardiology*. *Journal of the American College of Cardiology*, 2020; Chicago. 75:1918.

15. **Ding Q**, (September 26, 2019). Observational comparative effectiveness research. *Professional Grand Rounds*, Cleveland Clinic, OH.
16. Zheng X, Spatz ES, Bai X, Huo X., **Ding Q**, Horak P, Wu X, Guan W, Chow CK, Yan X, Sun Y, Wang X, Zhang H, Liu J, Li J, Li X, Spertus J, Masourdi FA, & Krumholz HM. (April 2019). Effect of cardiovascular health and text messaging (CHAT) on risk factor management in patients with coronary heart disease: A randomized clinical trial (poster presentation). *American Heart Association, Quality of Care & Outcomes Research*. Arlington, VA.
17. **Ding Q**, (March 2019). Risk Factors, Clinical and Patient-Reported Outcomes in Adults with Cardiovascular Disease, *Center on Aging and the Life Course Scholars in the Spotlight Luncheon*, West Lafayette, IN.
18. **Ding Q**, Funk M, Spatz ES, et al. (Nov 2018). Abstract: Association between diabetes and health status outcomes in young women and men after acute myocardial infarction: Results from the VIRGO study. *American Heart Scientific Sessions 2018*, Chicago, Illinois.
19. **Ding Q**, Whittemore R, & Redeker N. (Dec 2016). Abstract TP379: Excessive daytime sleepiness in stroke survivors: evidence from an integrative literature review. *Stroke*, 47 (Suppl 1), ATP379. Poster presentation at *International Stroke Conference*, Los Angeles, CA.
20. **Ding Q**, Knauert MP, Redeker N, & Samuel D. (April 2014). The impacts of environmental stressors on patients' nighttime sleep: perceptions of patients, families and health care team. Poster presentation at the *Eastern Nursing Research Society 26th Annual Scientific Sessions*, Philadelphia, PA.
21. **Ding Q**, & DeCrane S. (March 2013). An adapted cognitive reserve model using pain management for delirium prevention. Poster Presentation at *Midwest Nursing Research Society Annual Research Conference*, Chicago, Illinois.

EDUCATIONAL ACTIVITIES

Teaching

2018-Present Assistant Professor, School of Nursing, College of Health and Human Sciences, Purdue University, IN

- Contribute to teaching multiple graduate level courses in the Adult-Gerontology Primary Care NP (AGPCNP) program, "Acute Illness: Adult Health Practice," "Acute Illness: Adult Health Preceptorship," "Chronic Illness and Commonly Recurring Conditions," "Chronic Illness: Adult Health Preceptorship."
- Constructed and delivered a series of lectures in the AGPCNP program on "Sleep Disorders Diagnosis and Management in Primary Care."
- Teach independently in "Clinical Applications of Pharmacotherapeutics."

- Design AGPCNP program exam questions and assignments for “Acute Illness: Adult Health Practice” & “Chronic Illness and Commonly Recurring Conditions.”

2019-Present Guest Lecturer, Department of Public Health, School of Health Sciences, Purdue University, IN

- Construct and deliver lectures on cardiovascular disease prevention and risk factors modification to an undergraduate public health course, “Principles of Public Health Science.”

2021-2022 Lead faculty at Purdue Site, Data Science & Data Analytics in Public Health, The Research, Education, and Advocacy for Community Health (REACH) Program

- Purdue site’s principal faculty supervisor for the REACH program; brought together youth in the U.S. and the Middle East and North Africa Region (MENA) for online, face-to-face learning experiences in data science and analytics capabilities for health care.
- Managed design and execution of course curriculum, leading 20 Purdue Data Mine undergraduate students to pair up with students from the MENA countries (e.g., Jordan, Iraq) in learning data science and designing algorithms that could be used in the health care system.

2015-2016 Graduate Teaching Fellow, Yale University, School of Nursing, CT

- Contributed to teaching two graduate-level courses, “Advanced Health Assessment Across the Lifespan” (2015) and “Health Promotion and Behavior Change” (2016).
- Developed and delivered lectures on “Clinical Assessment of Heart Failure” and “Counseling for Behavior Change.”
- Provided feedback on students’ assessments and communication skills.
- Led discussion sections for 15 graduate students.

2008 Teaching Assistant, Department of Integrative Studies in Social Science, Michigan State University, MI

- Enhanced teaching support for the undergraduate course, “Social Differentiation and Inequality.”
- Led group discussions, enhanced learning and exam preparation, and graded assignments.

2003-2004, Teaching Assistant, Department of Anatomy, Southwest Medical University, China

- Contributed to teaching in a first-year medical school course, “Gross Anatomy, Regional Anatomy.”
- Trained to prepare and provide instructions to students during cadaver laboratory sessions.

CLINICAL ACTIVITIES

Certifications & Licenses

2013-2028 Adult-Gerontology Primary Care Nurse Practitioner (AGPCNP-BC)
2010-2024 California RN License #792260
2010-2024 Michigan RN License #4704284273
2010-2024 Indiana RN License #28198257A

2010-2017 Advanced Cardiac Life Support (ACLS), American Heart Association
2009-2024 Basic Life Support (BLS), American Heart Association

Clinical Experience

2013-2016 Sleep Medicine and Research Trainee, Yale University, Yale New Haven Hospital, VA Connecticut Healthcare System (Research Mentors: Drs. Meir Kryger and Nancy S. Redeker; Clinical Supervisors: Drs. Brian Koo, Mark A. D’Agostino, Anthony Dioguardi, Melissa Knauert, and Lynelle Schneeberg). Received training to understand aspects of sleep, sleep assessment, and sleep disorders treatment; learned and practiced sleep study interpretations, sleep disorders diagnosis and management in sleep clinics, dental departments, behavioral sleep medicine, and hospital settings.

2013 Clinical Assistant, Saint Anthony Rehabilitation and Nursing Center (Supervisor: Dr. J.P. Adler); Rounded at nursing home performing exams and revising current plans of care.

2012-2013 Clinical Assistant, Carroll County Family Clinic (Supervisor: B. Strasburger & R. Griggs); Performed physical examinations, diagnosed, and treated acute and chronic conditions, and formulated plans of care with an emphasis on wellness.

2012 Clinical Assistant, Regional Occupational Care Center. Lafayette, IN. (Supervisor: P. Scheetz); Performed employment physical exams and provided basic work-related injury treatment under supervision.

2012 Staff Nurse, Westminster Village (long-term care facility). Lafayette, IN. (Supervisor: D. Booe)
Provided nursing care and patient education along with physical/mental/emotional support for residents with Alzheimer’s disease, heart failure, dementia, and other chronic conditions.

2011-2012 Clinical Assistant, Riggs Community Health Center, Lafayette, IN. (Supervisor: Dr. N. Edwards); Diagnosed and treated acute and chronic conditions for the underserved population.

2006-2007 Intern in Internal Medicine, The 2nd Hospital of Yibin City, Sichuan, China.

Professional Affiliations

- American Heart Association, Council on Epidemiology and Prevention, and Council on Quality of Care and Outcomes Research
- American Diabetes Association
- American Academy of Sleep Medicine
- American College of Cardiology

- American Association of Nurse Practitioners (AANP)

RECOGNITION

Honors and Awards

- 2023 Barbara H. and Ben R. Edmondson HHS Faculty Development Award, Purdue University, West Lafayette, IN
- 2022-2023 Societal Impact Fellow, Purdue University, West Lafayette, IN
- 2017-2018 & 2014-2015 McLeod-Blue-Skye Conference Travel Fellowship, Yale University, CT
- 2008-2010 Dean's List (4/6 Semesters) for Academic Performance, Michigan State University, MI
- 2008-2010 Phi Kappa Phi Honor Society for Academic Performance, Michigan State University, MI
- 2008 Heart and Soul Award for Volunteer and Community Service, Michigan Campus Compact, MI
- 2005-2006 Second Prize "College Scholarship," Southwest Medical University, China
- 2004-2006 Student Leader Awards, Southwest Medical University, China
- 2004-2005 Top Scholarship, Southwest Medical University, China

Invited Talks

- 12/2024 Speaker, The impact of sleep disorders on the risk of cardiometabolic disease, invited talk at the Affiliated Hospital-Southwest Medical University, Luzhou, Sichuan, China
- 08/2024 Presenter, Sleep & cardiometabolic health: Essential connections, invited talk at Westminster Village, West Lafayette, IN.
- 11/2023 Presenter, Sleep's subtle signs: Polysomnographic phenotypes predicting diabetes risk, invited talk at the Sleep Equity Lab, Department of Public Health, Purdue University, West Lafayette, IN.
- 05/2023 Presenter, Patient-reported data: Maximizing its value in cardiovascular and diabetes clinical research, invited talk at Purdue SON Advisory Council meeting, West Lafayette, IN.
- 11/2021 Presenter, "Polysomnographic phenotypes of obstructive sleep apnea and incident type 2 diabetes", American Thoracic Society Assembly on Sleep Respiratory & Neurobiology Research Fall Sleep Research Symposium, Virtual Conference.

- 05/2021 Podcast presenter, Pulmonology Consultant, Consultant 360, “On Associations between Polysomnographic Phenotypes of OSA and Incident Type 2 Diabetes”, <https://www.consultant360.com/podcast/pulmonology/ats/qinglan-ding-phd-associations-between-polysomnographic-phenotypes-osa-and>
- 12/2019 Presenter, The University of Hongkong, Shenzhen Hospital, “Sex-Specific Impact of Diabetes on Short- and Long-Term Mortality among Adults with Acute Myocardial Infarction”, The 9th Hongkong International Nursing Forum cum 1st Greater Bay Area Nursing Conference, Shenzhen, China.
- 06/2019 Speaker, Fuwai Hospital, National Center of Cardiovascular Diseases (NCCD) “Health Status in Young Adults After Myocardial Infarction,” Beijing, China.

OTHER EXPERIENCES

Supervised Student Research

- 2024-Present Research mentor for DNP student Yifei Zhao (Purdue Nursing)
- 2023-Present Research mentor for Ph.D. student Zhi Tu (Purdue Computer Science)
- 2022-2023 Research mentor for Ph.D. student Min Kyung Lee (Purdue Joint Industrial Engineering and Applied Statistics) and M.S. student Yi-Ting Hung (Purdue Joint Computer Science and Statistics)
- 2020-Present Dissertation committee member for Ph.D. student Carolina Gonzale Canas (Purdue School of Industrial Engineering)
Dissertation title: Identification of risk factors and prediction of gestational diabetes mellitus: testing the impact of food insecurity and use of multi-level logistic regression to assess the relevance of environmental factors in presence of class imbalance
- 2020-Present Research mentor for undergraduate student Emily Wu (Purdue Krannert School of Management)
- 2020-2022 DNP project committee co-chair for Jessica J. Pietras (Purdue School of Nursing)
Capstone project title: Examining knowledge and knowledge retention in nurse practitioners after the implementation of an online educational module on obstructive sleep apnea

2020-2022 DNP project committee chair for Nirupama Esther Jerome (Purdue School of Nursing)
Capstone project title: Impact of Mediterranean dietary education on symptoms for adults at risk for nonalcoholic fatty liver disease

2021-2022 Research mentor for Purdue Honors College student Maddie Woodrow's college scholarly project

Public Service

2023-2024 Engagement Committee member, MNRS, Midwest Nursing Research Society (MNRS)

2019-Present Graduate Program Admission Faculty Committee, School of Nursing, Purdue University, IN

2016-2018 Mental Health and Counseling (MHC) Advisory Committee for Graduate & Professional Schools, Yale University, CT

2016-2017 Graduate and Professional Student Senate Senator, Yale University, CT
2016 Greenberg World Fellow Student Liaison, Yale University, CT

2015-2016 Co-Chair Funding Committee, Inspiring Yale (IY), Yale University, CT

2015-2016 Student Representative, Executive Committee, Yale School of Nursing, CT

2013-2015 Vice President, Association of Chinese Students and Scholars at Yale (ACSSY), Yale University, CT

2009-2010 Student Representative, Undergraduate Program and Dean's Student Advisory Committee, College of Nursing, Michigan State University, East Lansing, MI

Summer 2008 Medical Volunteer, Earthquake Field Hospital in Qingchuan, Sichuan, China

2007 Program Coordinator, Alfa Active Living for Adults, East Lansing, MI

2003-2006 Vice President, College Student Association, Southwest Medical University, Sichuan, China

Analytical Skills/Language Fluency/Interests

Analytical Skills:

- Coding in Python, Structured Query Language (SQL), Data visualization using Tableau and Python, Meta-analysis using R and Review Manager
- Qualitative data analysis using ATLAS.ti and NVivo
- Advanced Statistical Analysis System (SAS) Programming Certificates:
 - Structural Equation Modeling Using SAS
 - Applied Clustering Techniques

- Mixed Models Analyses Using SAS
- Survival Analysis using the Proportional Hazards Model
- Propensity Score Matching, Heckman's Two-Stage Model, Interrupted Time Series, Regressions Discontinuity Models
- Additional Certificates:
 - Inferring Causal Effects from Observational Data (R), University of Pennsylvania
 - Management of Fashion and Luxury Companies, University Bocconi
 - Introduction to Marketing, University of Pennsylvania
- Foreign Language Skills: Fluent in Chinese (Mandarin, Cantonese, Chinese Dialects in Guizhou, Sichuan, Tujia), Japanese (reading), French (conversational & reading)
- Interests: Reading; Writing; Hiking; Yoga; Fashion and Design; Amateur Dancer, Choreographer, and Producer