

CURRICULUM VITAE
Amany Farag PhD, RN

Associate Professor
 Co-Director VA Quality Scholars Program, Iowa City VA
 The University of Iowa, College of Nursing

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I. EDUCATION & PROFESSIONAL HISTORY

A. EDUCATION

<u>Date</u>	<u>Degree</u>	<u>Field of Study</u>	<u>Institution</u>
2003-2008	PhD	Nursing	Case Western Reserve University, Cleveland, OH
1995-1999	MSN	Nursing Administration	University of Alexandria, Alexandria, Egypt.
1989-1993	BSN	Nursing	University of Alexandria, Alexandria, Egypt.

- Dissertation: Multigenerational nursing workforce value differences and work environment impact on RN's turnover intention. Case Western Reserve University, Cleveland, Ohio. 2008
- MSN Thesis: Quality Healthcare as Perceived by Healthcare Providers and Consumers in two Ministry of Health Hospitals in Alexandria.

B. POST GRADUATE EDUCATION

<u>Date</u>	<u>Position, Institution, Location</u>
2008-2010	Post-doctor scholar, Case Western Reserve University, Cleveland-Ohio.

C. LICENSURE/CERTIFICATION

<u>Date</u>	<u>State</u>
2012-present	RN license #132034 Multistate license, Iowa Board of Nursing
2010-2014	RN license # 771969 California Board of Nursing

D. PROFESSIONAL EXPERIENCE

Academic Appointments

<u>Date</u>	<u>Position</u>	<u>Institution</u>
2020-present	Associate professor	College of Nursing, University of Iowa
2020-present	Co-director	VA Quality Scholars Program-Iowa City VA
2014-2020	Assistant Professor	College of Nursing, University of Iowa, Iowa.
2012-2014	Associate Faculty	College of Nursing, University of Iowa, Iowa.
2010-2012	Assistant Professor	Faculty of Nursing, University of Alexandria, Alexandria, Egypt.
2010-2011	Assistant Professor (adjunct)	College of Nursing, Kent State University, Kent, Ohio.
2000-2002	Lecturer	Faculty of Nursing, University of Alexandria, Alexandria, Egypt
1994-1999	Clinical Instructor	Faculty of Nursing, University of Alexandria, Alexandria, Egypt

Student Appointments

<u>Date</u>	<u>Position</u>	<u>Institution</u>
2008-2009	Teaching Assistant	Frances Payne Bolton School of Nursing, Case Western Reserve University, Cleveland, OH.
2010	Co-teaching	Frances Payne Bolton School of Nursing, Case Western Reserve University, Cleveland, OH.

Clinical Experience

<u>Date</u>	<u>Position</u>	<u>Institution</u>	<u>Area</u>
2014-Present	Sexual Assault Nurse Examiner (SANE)	University of Iowa Hospitals and Clinics	Forensic Nursing
1995-1999	Registered Nurse (Part time)	Alexandria International Medical Center	Acute and critical care
1992-1993	Clinical Nurse Intern	University of Alexandria Main Teaching Hospitals	Critical care and emergency medicine

E. HONORS/AWARDS

<u>Date</u>	<u>Honor, including organization</u>
2025	Best research poster award from the Association of Leadership Science in nursing (ALSN)
2025	The American Nurse Association (ANA)-Individual Innovation Award
2024	The Distinguished Scholar in Nursing- University of Iowa, College of Nursing
2024	Mid-career investigator award- HSPI-RIG, MNRS
2022	Distinguished paper abstract. MNRS
2020	Invited Visiting Scholar- School of Nursing-University of Michigan.
2019	Author of the year, Journal of Emergency Nursing, Emergency Nurse Association
2018	Roger's Endowed Lectureship Award- Mississippi Medical Center
2018	Junior Scholar Award- HSPI-RIG, MNRS
2017	Visiting Professor- Faculty of Nursing-University of Alexandria- Egypt
2016	Mary Hana Memorial Journalism Award Journalism award- American Society of Perianesthesia Nursing.
2009	American Nurse Foundation (ANF)- Margretta Madden Styles Scholar
2009	Dissertation Award, Health Systems, Policy, and Informatics (HSPI) research interest group (RIG), Mid-West Nursing Research Society (MNRS)
2008	Best Post-Doctoral Poster Award, Research Show Case- Case Western Reserve University
2007	Graduate Student Poster Award, International Nursing Administration Research (INARC)

II. SCHOLARSHIP**A. AREAS OF RESEARCH INTEREST**

Nursing workforce and teamwork, work environment (culture and climate), leadership, occupational safety, safety and quality, organizational behavior, quantitative research.

B. PUBLICATIONS

Peer Reviewed Data-based Papers. Students' names are underlined.

1. Groves P, **Farag A**, Perkhounkova, Y, Sabin JA, Witry MJ, Wright B. (2025). Nurse judgements of hospitalized patients' safety concerns are affected by patient, nurse, and event characteristics: A factorial survey experiment. *Journal of Clinical Nursing* 34(2); 493-506.
2. Groves P, Perkhounkova, Y; **Farag A**, Hein M, Sabin, Witry M, Wright B. (2025). Concern and credibility: a factorial survey experiment on nurse judgements and intent to report patient-expressed safety events. *BMC Nursing*, 24(798).

3. Nelson-Brantley, H, Lyman, B, Chipps, E, Weaver, S, **Farag, A**, Moore, J, Sinnott, L, Joseph, ML. (2025). Care delivery models in acute care hospitals: A Multimethod Study. *JONA in press*
4. **Farag A**, Scott, L, Perkhounkova Y, Abd P, Hien M (2024). Exploring factors influencing intershift recovery (IR) and its medicating role in chronic fatigue among nurses. *Journal of Nursing Regulation. In Print*
5. **Farag A**, Wakefield B, Jaske E, Paez M, Stewart G. (2024). Determinants of Patient Aligned Care Team (PACT) Members' Burnout and its relationship with patient-centered care. *Journal of Applied Ergonomics*. Jul,118: 104272
6. **Farag A**, Gallager J, Carr L. (2024). Examining the relationship between nurse fatigue, alertness, and medication errors. *Western Journal of Nursing Research*. 46(4):288-295
7. Galura S, **Farag A**, Grant C, Culpepper R. (2024) Leading through chaos: Understanding the impact of high staff turnover on the role of nurse manager. *Nurse leader, in print*
8. Groves P, **Farag A**, Perkhounkova Y, Sabin JA, Witry MJ, Wright B (2024). Nurse judgments of hospitalized patients' safety concerns are affected by patient, nurse, and event characteristics: A factorial survey experiment. *Journal of Clinical Nursing* , Jul 15 on line ahead of print.
9. Sherman R; Culpepper R, **Farag A**; Galura S, Gilland D, Grant C, Huges R, Steiner K. (2024). The role of the nurse manager: Evolution of the role in high-turnover environment- White paper. American Organization for Nursing Leadership (AONL). Workforce Committee 2023/2024
10. Sherman R; Culpepper R, **Farag A**; Galura S, Gilland D, Grant C, Huges R, Steiner K. (2024). The role of the nurse manager: Implementing team-based model of care- White paper. American Organization for Nursing Leadership (AONL). Workforce Committee 2023/2024
11. Devine J, Choynowski J, Hursh S, **Farag A**. (2023). Sleep hygiene in nurses using data collected from consumer sleep technology (CST) with the SleepTank™ [Abstract]. *Sleep* Volume 46, Issue Supplement_1, Pages A132–A133, <https://doi.org/10.1093/sleep/zsad077.0299>
12. Schwartz C, **Farag A**, Dunn Lopez K, Moorhead S, Monsen K. (2023). Using Omaha System data to explore relationships between client outcomes, phenotypes, and targeted home intervention approaches: an exemplar examining practice effectiveness for older women with circulation problems. *Journal of the American Medical Informatics Association*, 30 (11):1773–1783. doi.org/10.1093/jamia/ocad106
13. Wakefield B, **Farag A**, Paez, M, Stewart G. (2023). Perceptions of responsibilities by primary care staff in a patient-centered medical home. *Journal of Nursing Administration*. 1:54(6)333-340
14. Penzo R, **Farag A**, Whitaker K, Qian X, Curr L. (2022). Examining the impact of 12-hour day and night shifts on nurses' fatigue. *International Journal of Nursing Studies Advances*. 4(2022), 100076. doi.org/10.1016/j.ijnsa.2022.100076
15. **Farag, A.**, Scott, L, Perkhounkova, Y, Saidzhada T., Hein, M. (2022). Human factors approach to evaluate predictors of acute care nurse fatigue. *Journal of Applied Ergonomics*,100(3):103647.
16. Wakefield, B, Lampman M, Paez M, **Farag A**, Ferguson H, Stewart G. (2022). Delegation of work within a patient-centered medical home. *Journal of Nursing Administration*, 52(12):679-684.
17. **Farag A.**, Moon, C., & Qian, O. (2021). Work and personal characteristics associated with sleep behavior among acute care nurses. *Journal of Nursing Regulation*,12 (1), 40-

51

18. Penzo R, **Farag A**, Whitaker K, Qian X, Curr L. (2021). A Comparison of Occupational Physical Activity and Sedentary Behavior Patterns of Nurses Working 12-Hour Day and Night Shifts. *International journal of Nursing Studies Advances*.3 (2021),100028.
<https://doi.org/10.1016/j.ijnsa.2021.100028>
19. Hu R., **Farag A.**, Björk KM., Lendasse A. (2021) ELM Feature Selection and SOM Data Visualization for Nursing Survey Datasets. In: Cao J., Vong C.M., Miche Y., Lendasse A. (eds) Proceedings of ELM2019. ELM 2019. Proceedings in Adaptation, Learning and Optimization, vol 14. Springer, Cham. https://doi.org/10.1007/978-3-030-58989-9_11
20. Melnyk BM, Hsieh AP, Tan A, Gawlik KS, Hacker ED, Ferrell D, Simpson V, Burda C, Hagerty B, Scott LD, Holt JM, Gampetro P, **Farag A**, Glogocheski S, Badzek L. (2021) The State of Mental Health and Healthy Lifestyle Behaviors in Health Sciences Faculty and Students at Big 10 Universities with Implications for Action. *Journal of Professional Nursing*. 37 (6); 1167-1174. doi: 10.1016/j.profnurs.2021.10.007
21. Hu R, **Farag A**, & Lendasse A. (2020). Using machine learning to identify variables influencing nurses' willingness to report medication errors. *Array* 8,10049.
22. Groves, P, **Farag, A**, Bunch J. (2020). Strategies for and barriers of fatigue management among acute care nurses. *Journal of Nursing Regulation*. 11 (2), 1-8.
23. **Farag A**, Vogelsmeier, A; Knox, K., Perkhounkova, Y, Burant, C, Hien, M. (2020). Predictors of Nursing Home Nurses' willingness to report medication near-miss. *Journal of Gerontological Nursing*. 46(4), 21-30. doi: 10.3928/00989134-20200303-03
24. Manges, K; Groves, P. **Farag A**; Peterson R; Harton, J; Greysen, R. (2019). A mixed methods study examining teamwork shared mental models of the interprofessional team during hospital discharge. *BMJ Quality and Safety*. Epub ahead of print doi: 10.1136/bmjqs-2019-009716
25. **Farag, A**, Lose, D & Gedny-Lose, A. (2019) Nurses' safety motivation: examining predictors of nurses' willingness to report medication errors. *Western Journal of Nursing Research*, 41(4), 954-972. doi: 10.1177/0193945918815426.
26. Huber, D., Joseph, ML.,**Farag, A.** & Watson C. (2018). Nurse leader DNP capstone projects: An action framework. *Journal of Doctoral Nursing Practice*,11, (2) 100-106.
27. Vogelsmeier, A., Anderson, RA., Anbari, A., Ganong, L., **Farag, A.**, & Niemeyer, M. (2017). A Qualitative Study Exploring Nursing Home Nurses Sensemaking to Detect Medication Order Discrepancies. *BMC Health Services Research*.17:531. doi: 10.1186/s12913-017-2495-6
28. **Farag, A.**, Blegen, M., Gedny-Lose, A., Lose, D. & Perkhounkova, Y. (2017). Nurses voluntary medication errors reporting: Examining the association with work environment and social capital. *Journal of Emergency Nursing*, 43(3), 246-54. doi: 10.1016/j.jen.2016.10.015. (2018 author of the year award)
29. **Farag, A.**, Tullai-McGuinness, S., Anthony, M.& Burant, C (2017). Do Leadership style, unit climate, and safety climate contribute to safe medication practices? *Journal of Nursing Administration*. 47(1),8-15. doi: 10.1097/NNA.0000000000000430.
30. Groves, P.S., Bunch, J.L., **Farag, A.**, Manges, K., Perkhounkova, Y., & Scott-Cawiezell, J. (2016). Priming patient safety through nursing handoff communication: A simulation pilot study. *Western Journal of Nursing Research*, 39 (11): 1394-1411
[10.1177/0193945916673358](https://doi.org/10.1177/0193945916673358).

31. **Farag, A.** & Anthony, M (2015). Examining the relationship among ambulatory surgical settings work environment, nurses' characteristics and medication errors reporting. *Journal of Per-anesthesia Nursing*. doi:10.1016/j.jopan.2014.11.014 (**Mary Hana Memorial Journalism award Journalism award**)
32. Vogelsmeier, A., Anbari, A., Ganong, L., Anderson, R., Oderda, L., **Farag, A.**, & Madsen, R (2015). Detecting Medication Order Discrepancies in Nursing Homes: How RNs and LPNs Differ. *Journal of Nursing Regulation* 6(3), 48-56
33. Tullai-McGuinness, S., Riggers, J., & **Farag, A. A.** (2011). Work environment characteristics of high-quality home healthcare agencies. *Western Journal of Nursing Research*, 33(6), 745-766.
34. Jones, K., Tullai-McGuinness, S., Dolansky, M., **Farag, A. A.**, Krivanek, M. J., & Matthews, L. (2011). Expanded adult day program as an option for post-acute care. *Policy, Politics and Nursing Practice*, 12(1), 18-26.
35. **Farag, A. A.**, Tullai-McGuinness, S., & Anthony, M. (2009). Nurses' perceptions of their nurse manager's leadership style and unit climate: are there generational differences? *Journal of Nursing Management*, 17, 26-34.
36. Anthony, M., Tullai-McGuinness, S., Capone, L. & **Farag, A.** (2008). Decision-making autonomy and control over practice: are there variations across generational cohorts? [abstract] *Journal of Nursing Administration*, 35 (5), 211.

Non-Data based papers

1. Kumar B, Mosher H, **Farag A.**, Swee M (2022). How can we champion diversity, equity, and inclusion in Lean Six Sigma? Suggestions for quality improvement. *BMJ Quality & Safety*. EUP 2022; 0:1–5. doi:10.1136/bmjqs-2022-014892.
2. Pruinelli L; **Farag A**; Looman W; McKechnie C; Monsen K; Van Gelderen S, Dunn-Lopez K. (2020). The symbiotic relationship between family nursing and data science. *CIN plus*, 38 (8), 375-380.
3. Dunn-Lopez, K., Castner, J., Pruinelli, L., Schoville, R., Pischotty, R., **Farag, A.**, Abusalem, A., Monsen, K. (2018). Shared Passion at the Nexus of Nursing Informatics, Systems, Policy, and Research: Midwest Nursing Research Society Advances the State of the Science. *CIN: Computers, Informatics, Nursing* 36(1):5-7.

C. GRANT FUNDING

Funded Extramural Research

Title:	Assuring medication safety in K-12 Schools: Implementing and evaluating school medication administration record (eSMAR) system.
Role:	PI
Funding Source:	Agency for Health Care Research and Quality (AHRQ) R18- 3R18HS029292-02S1Administrative supplement
Date:	2024-2025
Amount:	\$95,000
Title:	Assuring medication safety in K-12 Schools: Implementing and evaluating school medication administration record (eSMAR) system.
Role:	PI
Funding Source:	Agency for Health Care Research and Quality (AHRQ) R18- 1R18HS029292-01
Date:	2023-2026

Amount: **\$1,018,972**

Title: Hearing patient voices: patient, nurse, and event characteristics associated with nurse judgment about safety concerns conveyed by inpatients in minority and other health disparity population.

Role: **Co-I** (Groves PI) 10% effort support

Funding Source: National Institute of Health (NIH)-R21/Health Disparities and Equalities Promotion (HDEP)

Date: 2022-2024

Amount: **\$451,640**

Title: Development and testing of an Electronic School Medication Administration record (eSMAR)

Role: **PI**

Funding Source: NIH/ICTS UL1 TR002537

Date: 2019-2021

Amount: **\$47,850**

Title: Objective measure of nurse fatigue using artificial intelligence (AI)- powered computer vision

Role: **PI**

Funding Source: The University of Iowa Injury Prevention Research Center through the Centers for Disease Control and Prevention (CDC), National Center for Injury Prevention and Control's Injury Control Research Center Grant R49CE003095.

Date: 2019-2021

Amount: **\$20,000**

Title: Feasibility study for assessing nurses' occupational fatigue using the Sleep, Activity, Fatigue, and Task Effectiveness (SAFTE) biomathematical model"

Role: **PI**

Funding Source: Healthier Workforce Center of the Midwest (HWCM). The HWCM is supported by Cooperative Agreement No. U19OH008868 from the Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health.

Date: 2017-2019

Amount: **\$13,079**

Title: Keeping patients safe: Examining predictors of nurses' fatigue and the moderating effect of inter-shift recovery on patients' safety outcome

Role: **PI**

Funding Source: National Council State Board of Nursing (NCSBN) # R91013

Date: 2016-2019

Amount: **\$220, 177**

Title: Organizational trust and nurse report of medication errors.

Role: **PI**

Funding Source: Midwest Nursing Research Society (MNRS)- New Investigator Seed Grants

Date: 2013-2015

Amount: **10,000**

Title: ER medication errors reporting: Examining the role of work environment and organizational trust

Role: **PI**

Funding Source: Council for Graduate Education in Administration in Nursing (CGEAN)
 Date: 2013-2015
 Amount: **2,500**

Title: Keeping patient safe: impact of leadership, unit climate and safety climate on safe medication administration practices and medication errors reporting

Role: **PI**
 Funding Source: American Nurse Foundation (ANF)
 Date: 2009-2010
 Amount: **\$7,500**

Title: Impact of work environment on safe medication administration practice
 Role: **PI**
 Funding Source: American Society of Peri-Anesthesia Nursing
 Dates: 2009-2010
 Amount: **\$2,000**

Title: Designed around you (DAY): evaluating Parma healthcare system DAY program
 Role: **Co-I, Jones (PI)**
 Funding Source: Parma Community Hospital Foundation
 Date: 2008-2009
 Amount: **\$5,000**

Title: Multigenerational nursing workforce value differences and work environment impact on RN's turnover intention
 Role: **PI**
 Funding Source: Sigma Theta Tau International- Alpha Mu Chapter
 Date: 2007-2008
 Amount: **\$500**

Funded Intramural Research

Title: Integrating an Electronic School Medication Administration Record (eSMAR) into Iowa City Community School District's (ICCS) electronic platform
 Role: **PI**
 Funding Source: Tripp Rimmer award
 Date: 2024-2025
 Amount: **5,000**

Title: Keeping patients safe: examining predictors of nurse fatigue and the moderating effect of inter-shift recovery on patients' safety outcome- Supplemental Grant
 Role: **PI**
 Funding Source: Kelting Dean Award
 Date: 2017-2019
 Amount: **20,000**

Title: Medication error reporting in Long Term Care Facilities (LTC)
 Role: **PI**
 Funding Source: Hartford Center for Geriatric Excellence in Nursing (HCGEN)
 Date: 2013-2015
 Amount: **\$15,000**

Title: Evaluating the effectiveness of the relationship-based nursing (RBN) model on nurses' and patients' outcomes

Role: **Co-I** (Anthony, PI)
 Funding Source: Kent State University Internal fund & University Hospitals of Cleveland, Case Medical Center
 Date: 2010-2011
 Amount: **\$5,000**

Title: Multigenerational nursing workforce value differences and work environment impact on RN's turnover intention
 Role: **PI**
 Funding Source: Frances Payne Bolton School of Nursing Alumni Grant
 Date: 2007-2008
 Amount: **\$500**

Pending (Under review) Grants:

Title: Collaborative research: Fatigue modeling and management in nursing: An individualized and dynamic approach enabled by wearable devices
 Role: **MPI** (Farag/Chen/ Zhou)
 Funding Source: National Science Foundation (NSF)
 Submission Date: October, 2025
 Amount: **\$1.2 M**

Industry-Sponsored Grants:

Title: Evaluating the usability and feasibility of using Sleep Tank to improve nurse's sleep quality
 Role: **PI**
 Funding Source: Institute of Behavioral Research (IBR)
 Date: 2020-2023
 Amount: **\$8,100**

Governmental contracts and agreements

Title: Patient Care Aligned Team (PACTA) Analytic
 Funding Source: Veterans Health Administration (VHA), VA Office of Primary Care, Primary Care Analytics Team Iowa City (PCAT-IC).
 Role: Investigator (**20% salary support**)
 Date: 2020-2025

Title: Virtual Care Integration: Nurse-Led, Team Based, Chronic Disease Management Patient Outreach, Utilizing Video & Innovative Technologies
 Funding Source: Veterans Health Administration (VHA), Office of Rural Health (ORH). Workforce training and development
 Role: lead of the program quantitative evaluation (**20% salary support**)
 Date: 2023-2025

Non-Research Grants (e.g. clinical projects, conference grants)

Title: Hawkeyes in Haiti
 Role: **Co-lead** (Achenbach, project lead) 10% effort support
 Funding Source: Code Foundation
 Date: 2018-2023
 Amount: **Up to \$85,300**

Consultant on Grants

Title: From emergency to community: Implementing social needs screening and referral infrastructure using health information technology
 Role: **Consultant** (Wallace, PI)
 Funding Source: Agency for Healthcare Research and Quality (AHRQ)-R21
 Date: 2018-2020
 Amount: **\$196,000**

Title: Nursing home nurses' sensmaking to detect medication order discrepancies
 Role: **Consultant** (Vogelsmeier, PI)
 Funding Source: National Council State Board of Nursing (NCSBN)
 Date: 2013-2015
 Amount: **\$216,521**

Organizations sponsored projects-No salary support

Title: Impact of COVID, change in models of care, and nursing turnover on nurse managers' role
 Role: Investigator
 Organization: AONL
 Dates: 2024-2025

Title: Factors impacting organizations selection of models of care
 Role: Investigator
 Organization: AONL/ALSN
 Dates: 2024-2025

Title: Nurse leaders' retention (AONL compendium Chapter 2)
 Role: Investigator
 Organization: AONL
 Dates: 2024-2025

Unfunded Extramural Grants and Letters of Intent:

Title: Virtual Models of Care (VMC) and Their Relationship with Nurses' Perceived Workload and Nurse Managers' Leadership Roles: Mixed Methods Study
 Role: **MPI** (Farag/Galura)
 Funding Source: National Council State Board of Nursing (NCSBN)
 Date: April 2025
 Amount: 250,000

Title: Harnessing heterogeneous healthcare data: An attention neural network approach
 Role: **MPI** (Farag/Hu)
 Funding Source: Patient-Centered Outcome Research Institute (PCORI)
 Date: 2023
 Amount: **\$500,000**

Title: Wearable Device Enabled Fatigue Modeling and Mitigation in Nursing
 Role: **MPI** (Farag/Chen/Zhou)
 Funding Source: National Science Foundation
 Date: 2022 (resubmitted 2023, 2024)
 Amount: **\$500,000**

Title: Developing and Evaluating the Impact of a Tailored Fatigue Management Decision Support System on Nurses' Outcomes
 Role: **PI**
 Funding Source: Healthier Workforce Center of the Midwest (HWCM). The HWCM is supported by Cooperative Agreement No. U19OH008868 from the Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health (NIOSH).
 Date: 2020
 Amount: \$1,500,000

Title: Using Medication Barcode and Facial Recognition (MedBarFace) to Improve Medication Administration Safety at Schools
 Role: **PI**
 Funding Source: Agency for Healthcare Research and Quality (AHRQ)-R-18
 Date: **2019**
 Amount: \$1,116,764

Title: Culture of Health Through AI route
 Role: **PI**
 Funding Source: Robert Wood Johnson Foundation- Pioneering ideas
 Date: 2018
 Amount: \$335,000
 Title: Evaluating predictors of nurse managers' fatigue and its impact on their cognitive function
 Role: **PI**
 Funding Source: American Organization of Nurse Executives (AONE)
 Date: 2018
 Amount: \$50,000

Title: Arthur Street Healthy Life Center: Nurse-led community-placed clinic for patients with serious mental illness and their families
 Role: **Co-I** (Daack-Hirsch & Judge-Ellis MPIs)
 Funding Source: Rita & Alex Hillman Foundation
 Date: 2018
 Amount: \$600,000

Title: An Examination of the CNL Interdependency Role with Nurse Managers and its Effect on Unit Outcomes
 Role: **Co-I** (Joseph-PI)
 Funding Source: American Organization of Nurse Executives (AONE)
 Date: 2018
 Amount: \$50,000

Title: A feasibility study for assessing nurse fatigue using a multi-method approach
 Role: **PI**
 Funding Source: University of Iowa Institute of Clinical and Translational Science
 Date: 2016
 Amount: \$75,000

Title: Assessing predictors of fatigue among hospital nurses and examining the effectiveness of tailored fatigue countermeasure intervention
 Role: **PI**
 Funding Source: Healthier Workforce Center of the Midwest (HWCM). The HWCM is supported by Cooperative Agreement No. U19OH008868 from the Centers for Disease Control and Prevention (CDC) / National Institute for Occupational Safety and Health.
 Date: 2015
 Amount: \$609,849

Title: The relationship between nurses' fatigue and driving performance
 Role: **PI**
 Funding Source: Safety Research using Simulation (SAFERSIM) University Transportation Center
 Date: 2014
 Amount: \$65,862

Title: Effect of work environment and organizational trust on medication error reporting in Emergency Rooms
 Role: **PI**
 Funding Source: Sigma Theta Tau International (STTI)
 Date: 2012
 Amount: \$5,000

D. RESEARCH PRESENTATIONS

International Keynote/invited (* data-based research presentations)

<u>Date</u>	<u>authors, title, meeting, location</u>
2024	Farag A. The intersection of technology and nurse well-being: using text messaging and wearables to assess nurse fatigue and its impact on medication errors. The British University in Cairo (BUA).
2023	Farag, A. Use of Technology in Nursing Research, Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2023	*Farag, A: Artificial Intelligence: adjusting healthcare delivery for the changing times. The IV International Seminar on Adult Health (IV SISA): Health entrepreneurship: solution to old issues
2017	*Farag, A. Building research trajectory: An actual example. Faculty of Nursing. University of Alexandria, Alexandria- Egypt.
2017	Farag, A. High-reliability organization: new concept in health systems. Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2017	Farag, A. Studying and working abroad: opportunities, obstacles, and Challenges. Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2017	Farag, A. International publications: A reviewer's perspective. Faculty of Nursing, University of Alexandria. Alexandria-Egypt.
2016	*Farag, A. ER medication error reporting: examining the role of the work environment and organizational trust. INARC, Orlando, FL

International Peer Reviewed Podium Presentations (* data-based research presentations, students' names are underlined)

<u>Date</u>	<u>Authors, title, meeting, location</u>
2023	Devine J, Choynowski J, Hursh S, Farag A . Sleep hygiene in nurses using data collected from consumer sleep technology (CST) with the SleepTank™ mobile app. Sleep Conference, Minneapolis
2022	Farag, A ; Watson, C. Front-line leaders fatigue and cognitive performance: what do we know so far. Association for Leadership Science in Nursing (ALSN). Cleveland, OH
2020	*Farag, A , Chen, Y. Nurse fatigue patterns: A machine learning approach based on Hidden Markov Model. Association for Leadership Science in Nursing (ALSN). Virtual
2019	*Farag, A , <u>Hu, R.</u> , Lendasse, A. Using Extreme Learning Machine (ELM) and Self Organizing Map (SOM) Data Visualization to Understand Complexity of Nurses' Decision to Report Medication Errors. Association for Leadership Science in Nursing (ALSN) (Formerly named INARC), Los Angeles, CA.
2018	*Hu R , Farag A , & Lendasse A. ELM feature selection and SOM data visualization for nursing survey dataset. The International Conference on Extreme Learning Machines (ELM2018). Marina Bay Sands, Singapore.
2018	*Farag, A. , Hand, L., <u>White, T.</u> , Perknkova, E., Hein, M., <u>Tannaz, S.</u> Prez, J. Feasibility of using ecological momentary assessment to evaluate nurse fatigue. INARC, Atlanta, GA
2013	*Farag, A . Medication error reporting: do work environment and medication practices matter? Sigma Theta Tau International, Indianapolis, IN
2011	Anthony, M., Farag, A. A. , Vidal, K., Lukosavich, B., Reeber, C. Determinants of relational capital on outcomes: building care relationships. INARC, Denver, CO.
2011	*Farag, A. A. , Anthony, M. Impact of nurse manager's leadership style and unit climate on nurses' willingness to report medication errors. INARC, Denver, CO.
2009	*Farag, A. A. , Anthony, M., Burant, C. Nurse turnover intention: A multigenerational perspective. International Nursing Research Administration Conference (INARC). Maryland. WA

International Peer reviewed Poster Presentations (* data-based research presentations, ** senior author, students names are underlined)

<u>Date</u>	<u>Authors, title, meeting, location</u>
2025	*Farag A ; McCarthy AM; Johnson H, Reisinger H, Goedkin A, Chen Y, Pennathur P. Embracing technology in k-12 schools to enhance safe medication administration: challenges and lessons learned. The Association for Leadership Science in Nursing (ALSN- formerly INARC). (Best research poster award)
2025	*<u>Edayath P</u> , Pennathur P, Farag A** . Heuristic evaluation of an electronic school medication administration record (eSMAR) application: Improving medication management in schools. The Institute of Industrial System Engineers (IISE).
2013	*Farag, A. , Anthony, M. Medication error reporting: Does organizational trust provides an answer? INARC, Baltimore, WA.
2007	*Farag, A. A. , Anthony, M., Tullai-McGinness, S., Jones, K., Zausniewski, J., Burant, C. Multigenerational nursing workforce value differences and work environment: Impact on RNs turnover intentions. International Nursing Research Administration Conference (INARC). Indianapolis, IN. (Best graduate student poster award)

National/ Regional invited Podium Presentations (* data-based research presentations)

<u>Date</u>	<u>Authors, title, meeting, location</u>
2025	Farag A. , Cullen L, Laures E. Nurse Fatigue: what do we know and where we need to go.
2025	Farag A. Ensuring Medication Safety in K-12 schools: Designing and Implementing School-Based Medication Administration System (eSMAR). The Institute for Clinical and Translational Science (ICTS), University of Iowa.
2024	Farag A. Nurse and patient safety outcomes: seeking the balance. Midwest Nursing Research Society (MNRS). HSPI interest group- Midcareer scholar award presentation
2023	*Farag A. Designing and implementing an implementation science study: the good, the bad, and the so bad. The Institute for Clinical and Translational Science (ICTS), University of Iowa.
2023	Farag A. Designing and Implementing an Electronic medication administration record (eSMAR) in K-12 schools. Midwest Nursing Research Society (MNRS). HSPI interest group- virtual 5X5 research presentation.
2023	*Farag, A. Nurses' perceptions of their nurse managers' leadership style and unit climate: are there generational value difference? Genesis Healthcare System Nurse Leaders monthly journal club.
2023	Farag A. Burnout Among Primary Care Patient Aligned Care Team Members (PACT): What Do We Know and Implications for Practice. Nurses Week Iowa City VA.
2023	*Farag, A. Front line managers fatigue and cognitive performance. UIHC grand rounds
2021	*Farag A. Use of technology in nursing research. Invited guest lecturer-T32 Interdisciplinary Training Seminar in Cancer, Caregiving, and End-of-Life Care (T32 NR013456; m-PIs: L Ellington & K Mooney) College of Nursing University of Utah, Salt Lake City, Utah
2021	Etker, T, Singh, M, Farag, A. , Vinyard, A. Inter professionalism in Healthcare Improvement. National VA Summer Institute. August 2021.
2021	*Farag A. Keeping patients safe: Examining predictors of nurses' fatigue and the moderating effect of inter-shift recovery on patients' safety outcome. National Quality Symposium, National Council State Board of Nursing (virtual-March 2021).
2021	Farag, A. New approaches for evaluating nurse fatigue and sleep: opportunities and challenges. Invited guest lecture T32 Interdisciplinary Training in Cancer, Caregiving, & End-of-Life Care. University of Utah, College of Nursing (March 23rd 2021)
2020	Farag A. Nurse and Patient safety outcomes: Opportunities, challenges, and future directions. Invited visiting scholar University of Michigan-School of Nursing (December 2020)
2020	Farag, A. Patient safety and nurses' wellness. University of Iowa diversity seminar. Iowa City, IA. April 2020.
2018	*Farag, A. Nurse and Patient safety outcomes: A human factor engineering approach. Invited presenter- recipient of Barbra Roger's Endowed Lectureship Award, Mississippi Medical Center, Jackson, MI.
2018	Farag, A. Shift workers' fatigue what we know and where we need to be. Invited presenter at Nebraska Safety Council Annual Meeting. Nebraska, WI.

- 2017 *Lose, D, Lose-Gedney, A, Farag A. Understanding nurses' willingness to report medication errors in the Emergency Department. UIHC, Surgical Conference, Iowa City, IA.

National/ Regional Peer reviewed Podium Presentations (* data-based research presentations)

- 2023 **Farag A.** Use of new approaches for data collection. Midwest Nursing Research Society (MNRS).
- 2022 **Farag A,** Chen Y. Using machine learning (ML) to identify nurse fatigue and recovery patterns and their relationship with medication errors and near miss. Midwest Nursing Research Society (MNRS)
- 2016 ***Farag, A.** Examining predictors of nurses' willingness to report medication errors. MNRS, Minneapolis.
- 2013 ***Farag, A.,** Anthony, M. Predictors of medication error reporting in ambulatory surgical centers. MNRS, Chicago, IL.
- 2011 *Vidal, K., Anthony, M., **Farag, A. A.,** Lukosavich, B., Reeber, C. Defining nursing practices supportive of quality outcomes and patient safety. ANCC National Magnet Conference, Baltimore, MD.
- 2010 *Jones, K., Tullai-McGuinness, S., Dolansky, M., **Farag, A. A.** D.A.Y. Program: innovative transitional care. Council for the Advancement of Nursing Science (CANS) State of the Science Congress, Washington DC.
- 2010 *Jones, K., Tullai-McGuinness, S., Dolansky, M., **Farag, A. A.,** Krivanek, M. D.A.Y. (Designed Around You): Evaluation of an innovative transitional care program. MNRS, Kansas City, MO.
- 2006 ***Farag, A. A.,** Nassar, M., Naguib, M., El-Biale, G. Healthcare quality as perceived by healthcare providers and consumers in two ministry of health hospitals in Alexandria, Egypt. CANS State of the Science Congress, Washington DC.
- 2006 ***Farag, A. A.,** Nassar, M., Naguib, M., El-Biale, G. (2006). Healthcare quality as perceived by healthcare providers and consumers in two ministry of health hospitals in Alexandria, Egypt. MNRS, Milwaukee, WI.

National/ Regional Peer reviewed Poster Presentations (* data-based research presentations, student names are underlined)

- | <u>Date</u> | <u>Authors, title, meeting, location</u> |
|-------------|--|
| 2025 | * Farag A, Reisinger H, Johnson H, Egger B, Colbert J, <u>Spooner A,</u> Sidal M. Using human centered design and rapid ethnographic assessment to enhance technology uptake in K-12 schools |
| 2020 | * <u>Schwartz C,</u> Farag A, Moorhead S, Dunn Lopez K, Mathiason M, Monson K. Exploring intervention approach effectiveness for latent groups of older women with circulation problems using existing electronic community nursing data. Midwest Nursing Research Society. |
| 2019 | <u>Walden, J.,</u> Farag, A., Butcher, H. Nurse Fatigue: A concept analysis. MNRS, Kansas City, MO. |
| 2019 | * <u>Manges, K.,</u> Groves, P., Farag, A, Peterson, R., Greysen, R. Measuring shared mental models of interprofessional discharge teams: A pilot study. The 25 th Annual NRSA Trainees Research Conference. Washington DC. |

- 2019 ***Farag, A.** Nurse fatigue: what do we know and what are the next steps. UIHC grand round, Iowa City, IA.
- 2019 ***Manges, K.**, Groves, PG., **Farag, A.**, Peterson, R., Greysen, R. Measuring shared mental models of interprofessional discharge teams: Implications for research and quality improvement. Academy Health Conference. Washington, DC.
- 2018 ***Manges, K.**, Groves, P., Peterson, R., & **Farag, A.** Ready, Set, Discharge: Piloting a measurement approach for assessing Discharge Teams' Shared Mental Models. MNRS, Cleveland, OH
- 2016 ***Gedney-lose, A, Lose D, Farag, A.** Understanding nurses' willingness to report medication errors in the emergency department. UIHC Quality and Safety annual conference. Iowa City, IA.
- 2015 ***Farag, A.** Nurses' voluntary medication error reporting: A decision-making challenge. Invited speaker, UIHC grand round, Iowa City, IA
- 2015 ***Farag, A.** Nurses' willingness to report medication errors: issues and challenges. Invited speaker, the University of Iowa Hospitals and Clinics (UIHC) Evidence-Based Practice Conference. Iowa City, IA
- 2014 ***Farag, A., Lose, D.** Predictors of nurse willingness to report medication errors. Academy Health Annual Research Meeting. San Diego, CA.
- 2014 **Farag, A.** From bedside to press Issues and Challenges. Invited Keynote Speaker. Genesis Research Summit. Davenport, IA
- 2012 ***Anthony M. Vidal, K & Farag, A.** A relationship-focused model of care: Structural and process predictors of discharge readiness. MNRS, Dearborn, MI.
- 2011 ***Farag, A. A.,** Anthony, M., McGuinness, S., Burant, C. Keeping patient safe: work environment predictors' safety climate and safe medication practices. MNRS, Columbus, OH.
- 2011 ***Anthony, M., Vidal, K., Farag, A. A.,** Lukosavich, B., Reeber, C. Relationship-focused model of care: Structure and discharge predictors of discharge readiness. MNRS, Columbus, OH.
- 2011 ***Anthony, M., Vidal, K., Farag, A.,** Lukosavich, B., Reeber, C. Results from relationship-based nursing study: Do caring relationships improve outcome. Case Medical Center Nurses Week event. Cleveland, OH
- 2010 ***Jones, K., Tulla-McGuinness, S., Dolansky, M., Farag, A. A.** Adult Day Care: A viable transitional care option. Boston, MA.
- 2009 ***Jones, K., Tullai-McGuinness, S., Dolanesky, M., Farag, A. A.** Hospital to home transition: Designed around you (DAY) program. Case Western Reserve University, Research Showcase. Cleveland, OH.
- 2009 ***Tullai-McGuinness, S., Rigges, J., Farag, A. A.** Work environment characteristics of high-quality home health care agencies. MNRS, Minneapolis, MN.
- 2008 ***Farag, A.,** Anthony, M., Tullai-McGuinness, S., Jones, K., Zausniewski, J., Burant, C. Nurses' turnover intention: A new perspective. Case Western Reserve University, Research Showcase. Cleveland, OH. (Best post-doctor poster award)
- 2007 ***Farag, A.,** Anthony, M., Tullai-McGuinness, S. Multigenerational value difference fact or artifact. The Cleveland Clinic Foundation Nursing Day. Cleveland, OH.

III. SERVICE

A. PROFESSIONAL SERVICE

Professional Organizations

2024	Invited External promotion and tenure reviewer, University of Cincinnati
2023	Invited External promotion and tenure reviewer, Kansas City University
2022	Invited External promotion and tenure reviewer, Arizona State University
2021-Present	AONL Foundation/ASLN Research Advisory Group
2020-present	National VA Quality Scholars Program (VAQS) Co-Director Iowa City Site 2023 National VA Quality Scholars Summer Institute planning committee 2021 National VA Quality Scholars Summer Institute abstract reviewer 2021 John Batilden Award selection committee 2021 Raising Star Award Committee 2020 National VA Quality Scholars Summer Institute, Abstract reviewer
2018-present	American Organization of Nurse Leaders (AONL) Member
2022-present	AONL/ALSN research advisory group
2014-Present	Academy Health Member 2014 Abstract reviewer
2009-2014	American Society of Peri-anesthesia Nurses Member
2012	Institute of Healthcare Improvement (IHI) Abstract reviewer
2005-2013	Sigma Theta Tau International Member
2005-present	Midwest Nursing Research Society (MNRS) 2021-2024 Nomination committee 2019- Grant reviewer 2019- Health systems research, informatics, and policy research interest group past co-chair 2018- Health systems research, informatics, and policy research interest group co- chair 2017- Health systems research, informatics, and policy research interest group co- chair elect 2013- present abstract reviewer
2005-2006	Council of Advanced Nursing Science Member
2005-present	Association of Leadership Science in Nursing (ALSN) 2025 Research committee-member Member 2015-present Abstract reviewer
2003-2009	Egyptian Student Association of North America Member

2015-2017	2005-2009 vice president Iowa Nurse Leaders (IONL) Member
<u>Journal Reviewer</u>	
2020-Present	Journal of Applied Ergonomics
2019- present	British Medical Journal-Open (BMJ-Open)
2016-present	Journal of Nursing Gerontology
2015- present	Journal of Nursing Management
2015-present	Journal of Global Health
2013-present	Nursing Outlook
2008-present	Research in Nursing and Health
2006-present	Journal of Nursing Education and Practice

B. COLLEGIATE

University of Iowa College of Nursing

<u>Date</u>	<u>Position (Chair, member), Committee</u>
2025	PhD curriculum review taskforce Member
2023-present	Leadership Steering Committee Member (as the faculty council chair)
2023	Working in Iowa survey review task force Member
2023	Civility reporting task force Member
2022-present	Bylaws Subcommittee Member
2023-presnt	BSN essays review
2021	PhD Admission and Progression 2021-present Chair 2019-2020 Member
April 2019	CON strategic planning committee Member
2019-present	Association of Graduate Nursing Students (AGNS) Faculty Co-Advisor
2019-2021	The big10- wellness initiative College representative
2018-present	Nomination sub-committee 2013-2017 & 2023- present member 2018-2022 chair
2017	CON Dean Search Committee Member
2016-2024	Health Systems DNP admission and progression committee 2016-2019 Member 2023-2024 Member
2016- 2017	CON residency program evaluation Member
2015-2018	CON undergraduate student's grievance committee Member
2015- 2019	CON Philanthropy committee Member

2015-2019	MSN/CNL admission and progression committee Member
2015-2019	Class of 2018 early admission students mentoring team Member
2015	PhD three-paper option task force Member
2014-2017	Undergraduate Public Health Posters Showcase Evaluator
2014-Present	Council on Faculty Member [elected for three terms] 2023-Chair

C. UNIVERSITY

<u>Date</u>	<u>Position (Chair, member), Committee</u>
2025	Broady Award selection committee Member [Invited position]
2023-2026	University of Iowa Faculty Council Member [elected position]
2023	UIHC/Carver College of Medicine Annual Quality and Safety Symposium Poster judge
2021-present	JJ Neiman-Brown Memorial Fund Board member
2020-present	College of Public Health-Occupational Injury Expert Research team Member [Invited position]
2020-2026	University of Iowa Faculty Senate Member [elected position- elected two terms] 2023 OVPR performance evaluation committee member [Invited position]
2019-2020	The University of Iowa Center for Diversity Inclusion and Enrichment Invited presenter on 2020 Diversity Seminars
2019-2022	The University of Iowa Council on Women Status Member [elected position]
2019-2020	The University of Iowa Summer Health Professionals Enrichment Program (SHPEP) meeting. Invited Panelist
2018 & 2017	Belin-Blank Junior Science and Humanities Symposia (JSHS) Program Invited Presenter
2017 & 2018	University of Iowa Hospitals and Clinics (UIHC) Invited poster evaluator for the UIHC quality and safety annual conference
2017	University of Iowa Hospitals and Clinics (UIHC) Invited abstract reviewer UIHC- quality and safety annual conference
2015-2019	UIHC Quality and Safety Committee Member
2015- 2024	UIHC Evidence-Based Practice Conference Planning Committee Member Abstract reviewer Poster awards judge
2015	Iowa Edge Program

Presenter

D. COMMUNITY (Professionally relevant only)

<u>Date</u>	<u>Position (Chair, member), Committee, Organization</u>
2015- 2021	Sexual Assault Nurse Examiner (SANE)-College of Nursing
2013-present	Member of Genesis Health System Nursing Research, Innovation, and Evidence-Based Practice Committee. Genesis Health System.

IV. TEACHING**A. COURSE INSTRUCTION**

<u>Date</u>	<u>University</u>	<u>Program</u>	<u>Course Number & Title</u>
Fall 2025	Iowa	DNP	NURS: 5009 Evaluating Evidence for Practice
Spring 2021- Present	Iowa	PhD	NURS:7003 Quantitative Research
Fall 2020- Spring 2021	Iowa	PhD	NURS:7805 Dissertation Research
Spring-2020		DNP	NURS:6828 Doctor of Nursing Practice Project III
		PhD/DNP	NURS:5017 Quality and Safety
Spring-2019	Iowa	PhD	NURS:7805 Dissertation research
		DNP	NURS:6827 Doctor of Nursing Practice Project II
		PhD/ DNP	NURS:5017 Quality and Safety
Fall-2018	Iowa	DNP	NURS:6826 Doctor of Nursing Practice Project I
		PhD	NURS:7509 Research Residency
		PhD	NURS:7805 Dissertation Research
Summer-2018	Iowa	PhD	NURS:7804 Research Practicum
Spring-2018	Iowa	PhD	NURS:7805 Dissertation Research
		PhD/ DNP	NURS:5017 Quality and Safety
Fall-2017	Iowa	PhD	NURS:7804 Research Practicum II
		PhD	Nurse:7803 Research Practicum I
		DNP	NURS:6825 Doctor of Nursing Practice Project
Spring-2017	Iowa	PhD	NURS:7804 Research Practicum II
		PhD	Nurse:7803 Research Practicum I
		DNP	NURS:6825-0EXJ Doctor of Nursing Practice Project
		DNP	NURS:6825-0EXI Doctor of Nursing Practice Project
Fall-2016	Iowa	PhD/DNP	NURS:5017 Quality and Safety
Spring-2016	Iowa	DNP	NURS:6825 Clinical Leadership Project
Fall-2015	Iowa	DNP	NURS:6825 Clinical Leadership Project
		PhD/DNP	NURS:6554 Seminar on Healthy Work Environment
Spring-2015	Iowa	PhD/DNP	NURS:5017 Quality and Safety
		DNP	NURS:6825 Clinical Leadership Project
Fall-2014	Iowa	PhD/DNP	NURS:6554 Seminar on Healthy Work Environment
		DNP	NURS:6825 Clinical Leadership Project

Spring-2014	Iowa	PhD/DNP	NURS:5017 Quality and Safety
		DNP	NURS:6825 Clinical Leadership Project
Fall-2013	Iowa	DNP	NURS:6825 Clinical Leadership Project
Spring- 2013	Iowa	PhD/DNP	NURS 5017 Quality and safety

B. STUDENTS MENTORED

PhD Dissertations (College of Nursing)

<u>Date</u>	<u>Name</u>	<u>Role</u>	<u>Title of Dissertation</u>
2025-	Shaimaa Yousefi	Co-Chair	Cognitive load and nurses' performance
2024-	Ansam Abu Yoniss	Chair	
2021-2025	Alaa Harb	Co-Chair	Alzheimer's prediction
2020-2024	Sugandha Aggarwal	Co. Member	Fatigue and Heart disease
2018-2020	Julie Walden	Chair	Caring in Nursing
2018-2021	Katie Knox	Co. Member	Evaluation of nurse residency program
2017-2022	Kathy Schwartz	Chair	Latent class analysis of Women with Circulatory problems
2016-2021	Ahmed Al-Saaidi	Chair	Role of Self-leadership on nurse work-life balance.
2016-2018	Erica Davison	Co. Member	Care coordination for CHF patients
2015-2018	Kirstin Manges	Co. Member	The influence of interdisciplinary team shared mental model on the quality of patient discharge.
2015-2017	Lister Onsongo	Co. Member	The nursing practice culture in Kenya and use of pain management guidelines in adult cancer pain management. A focused ethnography.

PhD Dissertations (University)

<u>Date</u>	<u>Name</u>	<u>Role</u>	<u>Title of Dissertation</u>
2025-	Max Miller (college of Engineering- Industrial Engineering department)	Co. Member	Modeling sequential analysis for safety and decision support in complex systems
2024-	Zengchenghao Xia (college of Engineering- Industrial Engineering department)	Co. Member	Information sharing for sequential data analysis based on gaussian process and mixed effects model
2017-	Roberto Benzo	Co. Member	Examining fatigue, sleep, leaser and work

2019	(College of Liberal Arts and Science- Human Physiology department)		activity among nurses
2017-2019	Renjie Hu (College of Engineering- Industrial Engineering department)	Co. Member	ELM data selection and SOM feature data visualization (industrial engineering).

DNP Projects

<u>Date</u>	<u>Name</u>	<u>Role</u>	<u>Project title</u>
2022-2025	Joel Moore	Chair	Team based care delivery model in acute care setting
Spring 2016	Erin Christensen	Co. Member	Effective tool in promoting behavior change in overweight and obese children.
	Kathleen Fear	Co. Member	Advanced Radiation Safety Education for Fluoroscopy
	Barbara Masters	Co. Member	Improving Outcomes for Patients with Depression and Diabetes in Primary Care
	Vivian Ochola	Co. Member	Improving Self-Care Management Skills and Utilization in Persons with Diabetes Using Shared Medical Appointments
	Daniel Scholl	Co. Member	Appropriate Dosing for Stress Steroid Replacement Therapy: An Evidence-Based Algorithm
	Bret Renshaw	Co. Member	Development of an Interprofessional Comprehensive Wound Program
	Jane Day Andrea Achenbach	Co. Member Co. Member	Improving Perioperative Glycemic Control Implementation and Evaluation of a Nurse Practitioner-Led Health Coaching Program
Spring 2015	Jennifer Nutt	Chair	Increasing Access to PICC Line Insertion Services for Critical Access Hospitals
	Kimberley Donald	Co. Member	Implementation of a Smartphone Calorie Counter App to Improve Patient Weight Loss
	Sara Griffin	Co. Member	Perioperative Identification and Consultation of Opioid Tolerant Patients
			Reducing Central Line Associated Blood Stream Infections in the Surgical and
	Nick Poch	Co. Member	Neurosciences Intensive Care Unit
	Ryan Flug	Co. Member	Triage of New Inmates in the Jail Setting: The Essential Role of Communication During the Booking Process
	Jennifer Kuntz April Roe	Co. Member Co. Member	Nursing Action Plan for a Difficult Airway Addressing Practice Issues Through the

Spring 2014	Kristin Carne	Co. Member	Design and Implementation of a Nurse Peer Review Program
	Melanie Burja	Co. Member	Development of a Pediatric-Specific Pre-anesthesia Evaluation Tool
	Greggory Sutton	Co. Member	Geriatric Postoperative Delirium: Prevent and Manage to Improve Outcomes
	Amanda Wyatt	Co. Member	Preoperative Angiotensin Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Management
	Elizabeth Miller	Co. Member	Perioperative Management of Adult Patients
	Alicia Duyvejonck	Co. Member	Obesity Management in Primary Care: An Evidence-Based Approach
	Heather Elmore	Co. Member	An Evidence-Based Approach to Delirium Care: The Role of the Doctorally Prepared Nurse Practitioner
	Michael Pomeroy	Co. Member	Improving Identification & Outcomes of the Critically-Ill Pediatric Patient in the Emergency Department
	Lauren Ringe	Co. Member	Anesthesia Guideline for Functional Endoscopic Sinus Surgery
	Amber Thornburg	Co. Member	Sound Segue: Improving Health Care Transition for Children and Youth with Special Health Care Needs
<u>Master Thesis</u>			
2025	Brandon Egger	Co. Member	Improving Perceptions and Uptake of Influenza Vaccination Among College Students Through Use of Social Media (Twitter)
2020	Aditya Gune (College of Engineering	Co. Member	Development of an electronic School Medication Administration Record (eSMAR)
			Mixture Hidden Markove Model for Clustering of Nurse Fatigue Pattern

Graduate mentoring (PhD students and Post doctors)

<u>Date</u>	<u>Name</u>	<u>Mentoring area</u>
2025	Chandra Burton (Post-doctoral Fellow)	Quantitative research
Summer 2022	Mohamed Eid (visiting scholar)	Quantitative analysis and research design
Spring 2017	Katie Knox	Quantitative data analysis Factor analysis
Spring 2017- Summer 2018	Julie Walden	Quantitative data analysis Mixed method research Concept analysis

Spring 2017 Hind Marami Quantitative data analysis

Graduate mentoring (DNP students)

<u>Date</u>	<u>Name</u>	<u>Mentoring Area</u>
2025-	Anna Spooner	Research
2025	Mikyla Sidal	Research
2015-2016	Amalia Gedeny-Lose	Research
2014-2016	Denial Lose	Research

Undergraduate mentoring

<u>Dates</u>	<u>Name</u>	<u>Area</u>
2025	Rohan Ramesh (Engineering)	Research
2017-2020	Teagan White	Research
2017-2019	Brandon Schleder	Research
2015-2018	Megan Lough	Research & Fulbright application.
2017-2018	Katie Shamnski	Research
2014-2016	Amalia Jones	Research
2014-2015	Catrina Jargo	Research