# Karen Dunn Lopez, PhD, MPH, RN, FAAN

Associate Professor
Director, Center for Nursing Classification and Clinical Effectiveness

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## RESEARCH INTERESTS

- Use of nursing documentation data in clinical decision support for nurses and mHealth for chronic disease self-management

- Tailoring decision support health technologies to individuals for usability and effectiveness

## EDUCATION

2008, PhD, Nursing Science, University of Iowa, Iowa City, Iowa

1992, MPH, Health Services, Boston University, Boston, Massachusetts

1985, BSN, University of Pennsylvania, Philadelphia, Pennsylvania

## LICENSURE

Registered Nurse, State of Illinois # 041.448650
Registered Nurse, State of Iowa # 097038

## PROFESSIONAL EXPERIENCE

### Academic Appointments

| | |
|---|---|
| 2019–present | Associate Professor, University of Iowa, Iowa City, Iowa |
| 2011–2019 | Assistant Professor, University of Illinois at Chicago, Chicago, Illinois |
| 2009–2011 | Post-Doctoral Fellow, University of Illinois at Chicago, Chicago, Illinois |

### Clinical and Research Appointments

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|---|---|
| 2004–2006 | Research Assistant, University of Chicago Hospitals, Chicago, Illinois |
| 2002–2003 | Teaching Assistant, University of Iowa, College of Nursing, Iowa City, Iowa |
| 1999–2000 | Research Analyst, Athena Healthcare, Chicago, Illinois |
| 1998–2000 | Research Assistant, University of Iowa Hospitals and Clinics, Department of Family Medicine, Iowa City, Iowa |
| 1997–1998 | Technical Writer and Editor, University of Iowa, College of Nursing, Iowa City, Iowa |
| 1995–1996 | Public Health Nurse Policy Advisor, Childhood Lead Poisoning Prevention Program, Massachusetts Department of Public Health, Boston, Massachusetts |
| 1990–1995 | Hematology Research Nurse, Children's Hospital, Boston, Massachusetts |

| 1989–1993 | Bone Marrow Transplant Nurse, Dana Farber Cancer, Boston, Massachusetts |
| 1987–1989 | Clinical Nurse, Memorial Sloan Kettering, New York, New York |
| 1985–1987 | Clinical Nurse, Beth Israel Hospital, Boston, Massachusetts |

## HONORS AND AWARDS

| 2021 | Fellow-American Academy of Nursing |
| 2020 | Mid-Career Researcher Award, Decision Making Research Interest Group, Midwest Nursing Research Society |
| 2020 | Distinguished Abstract, Midwest Nursing Research Society |
| 2018 | Visiting Scholar, School of Medicine, Public Health and Nursing, Universitas Gadjah Mada, Indonesia |
| 2013 | Junior Researcher Award, Health Systems, Policy, and Informatics Research Interest Group, Midwest Nursing Research Society |
| 2000 | Sigma Theta Tau, Gamma Chapter |

## SCHOLARSHIP

**Publications**
https://www.ncbi.nlm.nih.gov/myncbi/1TGCcfRN01g5u/bibliography/public/
https://orcid.org/0000-0002-9700-941X

- o Published or Accepted & In Press = 56
- o 1694 Total citations
- o h-index 22 (Google Scholar)

**Key:**
*= data based
**bold** = my authorship
underlined = senior author;
~ = mentored student, post-doctoral fellow, or junior faculty as author

_Peer Reviewed Articles_

_Under Review_

Nibbelink, C. W., Reeves, J. J., **Dunn Lopez, K.** Horman, S., & El-Kareh, R. E. Factors Influencing Nurse Communication Channel Decision-Making in Acute Care Settings. _Journal of Clinical Nursing_

Yao, Y., **Dunn Lopez, K.**, Bjarnadottir, R., Maciera, T.G. R., Dos Santos, F.C., Mandola, O.O., Cho, H., Priola, K.J. B., Wolf, J., Wilkie, D.J., Keenan, G. M. National web-based RCT on Effect of Tailoring Clinical Decision Support Format on Efficiency of Nurse Care Planning. _Journal of Medical Internet Research_

_Invited Articles_

1. **Dunn Lopez, K. &** McCormick, K. (2023). Embarking on a new era for standardized terminologies. *Computers Informatics and Nursing,* 41 (1), 6-7.

2. **Dunn Lopez, K.**, & Tiase, V. L. (2020). Alliance for Nursing Informatics support and advocacy of consumer health. *Computers Informatics and Nursing, 38(2) 60–61.* https://doi.org/10.1097/CIN.0000000000000619

3. **Dunn Lopez, K.**, & Fahey, L. (2018). Advocating for greater usability in clinical technologies: The role of the practicing nurse [Special Issue: Human Factors and Technology in the ICU]. *Critical Care Nursing Clinics of North America*, *30*(2), 247–257. https://doi.org/10.1016/j.cnc.2018.02.007
   - 2018 Included in American Medical Informatics Association's Nursing Informatics Work Group's *Year in Review*

4. *~Pertiwi, A. A. P., ~Fraczkowski, D., Stogis, S. L., & **Dunn Lopez, K.** (2018). Using heuristic evaluation to improve sepsis alert [Special Issue: Human Factors and Technology in the ICU]. *Critical Care Nursing Clinics of North America*, *30*(2), 297–309. https://doi.org/10.1016/j.cnc.2018.02.011
   - 2018 American Medical Informatics Association's Nursing Informatics Work Group's *Year in Review*

5. **Dunn Lopez, K.,** Castner, J., Pruinelli L., Schoville, R., Piscotty, R. J., Farag, A., Abusalem, S., & Monsen, K. A. (2018). Shared passion at the nexus of nursing informatics, systems, policy, and research. *Computers Informatics and Nursing, 36*(1), 5–7. https://doi.org/10.1097/CIN.0000000000000412

*Accepted and In Press*

6. Zhang, M., Zhu, L., Lin, S.-Y., Herr, K., Chi, C.-L., Demir, I., **Lopez D. K**., Chi, N.-C. Using Artificial Intelligence to Improve Pain Assessment and Pain Management: A Systematic Review. *Journal of the American Medical Informatics Association.*

7. da Silva, R. C., Cavalcante, A. M. R. Z., de Sá, E. S., Gondim, M. C., Santana, A. B., de Matos, M. A., Bachion, M.M., de Barros, A.L.B.L., **Dunn Lopez, K.,** Swanson, E., & Moorhead, S. (2022). Evaluation of the effectiveness of nursing interventions in research from Brazilian postgraduation programs.(2022). *International Journal of Nursing Knowledge*.

*Published*

8. Krupp A, Steege L, Lee J, **Lopez KD,** King B. Supporting Decision-Making About Patient Mobility in the Intensive Care Unit Nurse Work Environment: Work Domain Analysis. (2022). JMIR Nursing 2022;5(1):e41051. doi: 10.2196/41051

9. Cho H., Keenan G, Madandola OO, Dos Santos FC, Macieira TGR, Bjarnadottir RI, Priola KJB, **Lopez K.D.** (2022). Assessing the Usability of a Clinical Decision Support System: Heuristic Evaluation. *JMIR Hum Factors* 2022;9(2):e31758. https://humanfactors.jmir.org/2022/2/e31758/ doi: 10.2196/31758

10. **Dunn Lopez,K.,** Yao, Y., Cho,H., Dos Santos, F.C, Madandola, O., Bjarnadottir,R.I.,Macieira, T.G.R., Garcia, A.L. , Priola,K.J.B., Wolf, J., Bian,J., Wilkie, D. J., Keenan, G.M.(2022). Conducting a representative national randomized control trial of tailored clinical decision

support for nurses remotely: Methods and implications. *Contemporary Clinical Trials.* https://doi.org/10.1016/j.cct.2022.106712

11. Santos, F.C.D., Macieira, T.G.R., Yao, Y., Hunter, S., Madandola, O.O., Cho, H., Bjarnadottir, R.I., Dunn **Lopez, K.,** Wilkie, D.J., & Keenan, G.M.(2022). Spiritual interventions delivered by nurses to address patient's needs in hospitals or long-term care facilities: A systematic review. *Journal of Palliative Medicine.* https://doi.org/10.1089/jpm.2021.0578

12. Wagner, C., Monteiro Mantovani, V., Swanson, E., Moorhead, S., **Dunn Lopez, K.**, Macieira, T. G. R., & Abe, N. (2022). NANDA-I, NOC, and NIC Linkages to SARS-CoV-2 (COVID-19): Part 3. Family Response. *International Journal of Nursing Knowledge.*

13. **Dunn Lopez, K.**, Chin, C.-L., Azevedo, R. F. L., Kaushik, V., Roy, B., Schuh, W., Banks, K., Sousa, V., & Morrow, D. G. (2021). Electronic health record usability and workload changes over time for provider and nursing staff following transition to new EHR. *Applied Ergonomics. 93( May) 103359*PMID: 33556884  DOI: 10.1016/j.apergo.2021.103359

14. **\*Dunn Lopez, K**., Cravero, C., Krishnan, A., Carvalho de Sousa Freire, V., & Culbert, G. J. (2020). Feasibility of a mHealth survey application for incarcerated and post-release people living with HIV in a low-resource setting. *Research in Nursing and Health, 44*(1), 201-212. https://doi.org/10.1002/nur.22098

15. **Dunn Lopez, K.**, Chae, S., Girgis, M., Fraczkowski, D., Habibi, P., Chattopadhyay, D., & Donevant, S. B. (2020). Improved readability and functions needed for Mhealth apps targeting patients with heart failure: An app store review. *Research in Nursing and Health, 44*(1), 71–80 https://doi.org/10.1002/nur.22078

16. *~Vatani, H., Sharma, H., Azhar, K., Kochendorfer, K., Valenta, A. L., & **Dunn Lopez, K.** (2020). Required data elements for interprofessional rounds through the lens of multiple professions. *Journal of Interprofessional Care*. https://doi.org/10.1080/13561820.2020.1832447

*17.* Swanson, E., Monteiro Mantovani, V., Wagner, C., Moorhead, S., **Dunn Lopez, K.**, Macieira, T. G. R., & Abe, N. (2020). NANDA-I, NOC, and NIC linkages to SARS-CoV-2 (COVID-19): Part 2. Individual Response. *International Journal of Nursing Knowledge, 32*(1), 68–83. https://doi.org/10.1111/2047-3095.12307

18. ~Pruinelli, L., Farag, A., Looman, W., Chevalier McKechnie, A., Monsen, K. A., Van Gelderen, S. & **Dunn Lopez, K.** (2020). The symbiotic collaboration between family nursing and data science. *Computers Informatics and Nursing, 38*(8), 375–380. https://doi.org/10.1097/CIN.0000000000000675

19. ~Fraczkowski, D., Matson, J., & **Dunn Lopez, K.** (2020). Nurse workarounds in the electronic health record: An integrative review. *Journal of the American Medical Informatics Association, 27*(7), 1149–1165. https://doi.org/10.1093/jamia/ocaa050

20. Moorhead, S., Macieira, T. G. R., **Dunn Lopez, K.**, Monteiro Mantovani, V., Swanson, E., Wagner, C., & Abe, N. (2020). NANDA-I, NOC, and NIC linkages to SARS-CoV-2 (COVID-19): Part 1. Community Response. *International Journal of Nursing Knowledge, 32*(1), 59–67. https://doi.org/10.1111/2047-3095.12291

21. *O'Rourke, J., **Dunn Lopez, K**. Riesenberg, L. A., & Abraham, J. (2020). Comparison of a nurse-nurse handoff mnemonic with real-world handoffs. *Journal of Nursing Care Quality, 35*(4), 336–340. https://doi.org/10.1097/ncq.0000000000000465

22. **Dunn Lopez, K.**, Gephart S. M., & Hershberger, P. E. (2020). Using online survey software to enhance rigor and efficiency of knowledge synthesis reviews. *Western Journal of Nursing Research, 42*(10), 838–845. https://doi.org/10.1177/0193945920904442

23. Macieira, T. G., Chianca, T. C. M., Smith, M. B., Yao, Y., Bian, J., Wilkie, D. J., **Dunn Lopez, K.**, & Keenan, G. M. (2019). Secondary use of standardized nursing care data for advancing nursing science and practice: A systematic review. *Journal of the American Medical Informatics Association, 26*(11), 1401–1411. https://doi.org/10.1093/jamia/ocz086

*24.* Lee, S. E., Scott, L. D., Dahinten, V. S., Vincent, C., **Dunn Lopez, K.**, & Park, C. G. (2019). Safety culture, patient safety, and quality of care outcomes: A literature review. *Western Journal of Nursing Research, 41*(2), 279-304. https://doi.org/10.1177/0193945917747416

25. *Acharya, S., Boyd, A. D., Cameron, R., **Dunn Lopez, K.**, Martyn-Nemeth, P., Dickens, C., Ardati, A, Flores, J.D., Jr., Baumann, M., Welland, B., & Di Eugenio, B. (2019). What happened to me while I was in the hospital? Challenges and opportunities for generating patient-friendly hospitalization summaries. *Journal of Healthcare Informatics Research*, *3*(1), 107–123.

26. *Stifter, J., Sousa, V. E. C., Febretti, A., **Dunn Lopez, K.**, Johnson, A., Yao, Y., Keenan, G. M. & Wilkie, D. J. (2018). Acceptability of clinical decision support interface prototypes for a nursing electronic health record to facilitate supportive care outcomes. *International journal of nursing knowledge*, *29*(4), 242–252. https://doi.org/10.1111/2047-3095.12178

27. Keenan, G. M., Yao, Y., **Dunn Lopez, K.**, Sousa, V. E. C., Stifter, J., Macieira, T. G. R., Boyd, A. D., Herdman, T. H., Moorhead, S., McDaniel, A., & Wilkie, D. J. (2018). Response to: Letter to the editor - Comments on the use of LOINC and SNOMED CT for representing nursing data. *International Journal of Nursing Knowledge, 29*(2), 86–88. https://doi.org/10.1111/2047-3095.12182

28. *~Sousa Freire, V. E. C, Lopes, M. V. O., Keenan, G. M., & **Dunn Lopez, K.** (2018). Nursing students' diagnostic accuracy using a computer-based clinical scenario simulation. *Nursing Education Today, 71*, 240–246. https://doi.org/10.1016/j.nedt.2018.10.001

29. *~Lockwood, M. B., **Dunn Lopez, K.**, Pauls, H., Burke, L., Shah, S. D., & Saunders, M. A. (2018). If you build it, they may not come: Modifiable barriers to patient portal use among pre- and post-kidney transplant patients. *JAMIA Open*, *1*(2), 255–264. https://doi.org/10.1093/jamiaopen/ooy024

30. *~Lee, S. E., Vincent, C., Dahinten, V. S., Scott, L. D., Park, C. G., & **Dunn Lopez, K**. (2018). Effects of individual nurse and hospital characteristics on patient adverse events and quality of care: A multilevel analysis. *Journal of Nursing Scholarship, 50*(4) 432–440. https://doi.org/10.1111/jnu.12396

31. *Boyd, A. D., **Dunn Lopez, K.**, Lugaresi, C., Macieira, T., Sousa, V., Acharya, S., Balasubramanian, A., Roussi, K., Keenan, G. M., Lussier, Y. A., Li, J. J., Burton, M., & Di Eugenio, B. (2018). Physician nurse care: A new use of UMLS to measure professional contribution: Are we talking about the same patient? *International Journal of Medical Informatics, 113*, 63–71*. https://doi.org/10.1016/j.ijmedinf.2018.02.002

   - 2019 Included in Association of Medical Directors of Information Systems *Year in Review*.

32. *~O'Rourke, J., Abraham, J., Riesenberg, L. A., & **Dunn Lopez, K.** (2018). A Delphi study to identify the core components of nurse-to-nurse handoff. *Journal of Advanced Nursing, 74*(7), 1659–1671. https://doi.org/10.1111/jan.13565

33. *Lockwood, M. B., **Dunn Lopez, K.**, Burke, L., Becker, Y. T., & Saunders, M. (2017). Frequency of in-home internet use among prekidney and post kidney transplant patients- Facilitators and barriers to use and trends over time. *Transplantation Direct, 3*(11), e216. https://doi.org/10.1097/TXD.0000000000000735

34. **Dunn Lopez, K.**, Gephart, S. M., Raszewski, R., Sousa, V., Shehorn, L. E., & Abraham, J. (2017). Integrative review of clinical decision support for registered nurses in acute care settings. *Journal of the American Medical Informatics Association, 24*(2), 441–450*. https://doi.org/10.1093/jamia/ocw084

    - 2018 Included in American Medical Informatics Association's Nursing Informatics Work Group's *Year in Review*

35. *Keenan, G. M., **Dunn Lopez, K.**, Yao, Y., Sousa, V. E. C., Stifter, J., Febretti, A., Johnson, A., & Wilkie, D. J. (2017). Toward meaningful care plan clinical decision support: Feasibility and effects of a simulated pilot study. *Nursing Research*, *66*(5), 388–398. https://doi.org/10.1097/NNR.0000000000000234

36. ~Sousa, V. E. C., & **Dunn Lopez, K.** (2017). Towards usable E-health: A systematic review of usability questionnaires. *Applied Clinical Informatics, 8*(2), 470–490. https://doi.org/10.4338/ACI-2016-10-R-0170

37. *Johnson, J., Lodhi, M. K., Cheema, U., Stifter, J., **Dunn Lopez, K.**, Yao, Y., Johnson, A., Keenan, G. M., Ansari, R., Khokhar, A., & Wilkie, D. J. (2017). Outcomes for end-of-life patients with anticipatory grieving: Insights from practice with standardized nursing terminologies within an interoperable internet-based electronic health record. *Journal of Hospice and Palliative Nursing, 19*(3), 223–231. https://doi.org/10.1097/NJH.0000000000000333

38. Keenan, G. M., **Dunn Lopez, K.,** Sousa, V. E. C., Stifter, J., Macieira, T. G. R., Boyd, A. D., Yao, Y., Herdman, T. H., Moorhead, S., McDaniel, A., & Wilkie, D. J. (2017). A shovel-ready solution to fill the nursing data gap in the interdisciplinary clinical picture. *International Journal of Nursing Knowledge*. https://doi.org/10.1111/2047-3095.12168

39. *~Sousa V. E. C., ~Matson J., & **Dunn Lopez K.** (2016). Questionnaire adapting: Little changes mean a lot. *Western Journal of Nursing Research, 39*(9), 1289–1300. https://doi.org/10.1177/0193945916678212

40. *~ de Sousa, V. E. C., de Oliveira Lopes, M. V. , Keenan, G. M., & **Dunn Lopez, K**. (2016). Developing and testing of a software prototype to support diagnostic reasoning of nursing students. *International Journal of Nursing Knowledge, 29*(2), 124–132. https://doi.org/10.1111/2047-3095.12145

41. **Dunn Lopez, K.**, Febretti, A., Stifter, J., Johnson, A., Wilkie, D. J., & Keenan, G. (2016). Toward a more robust and efficient usability testing method of clinical decision support for nurses derived from nursing electronic health record data. *International Journal of Nursing Knowledge, 28*(4), 211–218. https://doi.org/10.1111/2047-3095.12146

42. ***Dunn Lopez, K.**, Wilkie, D. J., Yao, Y., Sousa, V., Febretti, A., Stifter, J., Johnson, A., & <u>Keenan, G. M.</u> (2016). Nurses' numeracy and graphical literacy: Informing studies of clinical decision support interfaces. *Journal of Nursing Care Quality, 31*(2), 124–130. https://doi.org/10.1097/NCQ.0000000000000149

43. *Abraham, J., Kannampallil, T., Brenner, C., **Lopez, K. D.,** Almoosa, K. F., Patel, B., & <u>Patel, V. L.</u> (2016). Characterizing the structure and content of nurse handoffs: A sequential conversational analysis approach. *Journal Biomedical Informatics*, *59*, 76–88. https://doi.org/10.1016/j.jbi.2015.11.009

44. *Sousa, V. E. C, **Dunn Lopez, K.**, Febretti, A., Stifter, J., Yao, Y., Johnson, A., Wilkie, D. J., & <u>Keenan, G.</u> M. (2015). Use of simulation to study nurses' acceptance and nonacceptance of clinical decision support suggestions. *Computers, Informatics, Nursing, 33*(10), 465–472. https://doi.org/10.1097/CIN.0000000000000185

45. Stifter, J., Yao, Y., **Lopez, K. D.**, Khokhar, A., Wilkie, D. J., & <u>Keenan, G. M.</u> (2015). Proposing a new conceptual model and an exemplar measure using health information: Technology to examine the impact of relational nurse continuity on hospital-acquired pressure ulcers. *Advances in Nursing Science*, *38*(3), 241–251. https://doi.org/10.1097/ANS.0000000000000081

46. *Stifter, J., Yao, Y., Lodhi, M. K., **Lopez, K. D.**, Khokhar, A., Wilkie, D., & <u>Keenan, G. M.</u> (2015). Nurse continuity and hospital-acquired pressure ulcers: A comparative analysis using an electronic health record "Big Data" set. *Nursing Research*, *64*(5), 361–371. https://doi.org/10.1097/NNR.0000000000000112

47. <u>Keenan, G. M.</u>, & **Dunn Lopez, K.** (2014). Critical conversations about optimal design column: Thorough error testing a requirement for strong EHR usability. *Online Journal of Nursing Informatics, 18*(3). http://www.himss.org/ResourceLibrary/GenResourceDetail.aspx?ItemNumber=33531

48. Tastan, S., Linch, G. C. F., Keenan, G. M., Stifter, J., McKinney, D., Fahey, L., **Dunn Lopez, K.**, Yao, Y., & <u>Wilkie, D. J.</u> (2014). Evidence for the existing American Nurses Association-recognized standardized nursing terminologies: A systematic review. *International Journal of Nursing Studies, 51*(8), 1160–1170. https://doi.org/10.1016/j.ijnurstu.2013.12.004

49. *~Fahey, L., **Dunn Lopez, K.**, Storfjell, J., & <u>Keenan, G. M.</u> (2013). Expanding potential of radiofrequency nurse call systems to measure nursing time in patient rooms. *Journal of Nursing Administration, 43*(5), 302–307. https://doi.org/10.1097/NNA.0b013e31828eebe1

50. *<u>Keenan, G.</u>, Yakel, E., **Dunn Lopez, K.**, Tschannen, D., & Ford, Y. B. (2013). Challenges to nurses' efforts of retrieving, documenting and communicating patient care. *Journal of the American Medical Informatics Association, 20*(2), 245–251. https://doi.org/10.1136/amiajnl-2012-000894

    - 2014 Finalist for the American Medical Informatics Association Diana Forsythe Award for Best Exemplifying the Intersection of Informatics and Social Sciences

    - 2014 Included in American Medical Informatics Association's *Year in Review*

51. *Yao, Y., Keenan, G., Al-Masalha, F., **Dunn Lopez, K.,** Khokhar, A., Johnson, A., Ansari, R., & Wilkie, D. J. (2013). Current state of pain care for hospitalized patients at end of life. *American Journal of Hospice and Palliative Medicine, 30*(2), 128–136. https://doi.org/10.1177/1049909112444458

52. Keenan, G. M., Yakel, E., Yao, Y., Xu, D., Szalacha, L., Tschannen, D., Ford, Y., Chen, Y.-C., Johnson, A., **Dunn Lopez, K.**, & Wilkie, D. J. (2012). Maintaining a consistent big picture: Meaningful use of a web-based POC EHR system. *International Journal of Nursing Knowledge, 23*(3), 119–133. https://doi.org/10.1111/j.2047-3095.2012.01215.x

53. ***Dunn Lopez, K.,** Gerling, G., Cary, M. P., & Kanak, M. F. (2010). Cognitive work analysis to evaluate the problem of patient falls in an inpatient setting. *Journal of the American Medical Informatics Association, 17*(3), 313–321. https://doi.org/10.1136/jamia.2009.000422

54. **Dunn Lopez, K.**, & Guinan, E. C. (1995). GM-CSF clinical trials: pediatric aplastic anemia and Fanconi's anemia. *Pediatric Nursing, 21*(4), 345–349.

55. *Guinan, E. C., **Dunn Lopez, K.,** Huhn, R. D., Felser, J. M., & Nathan, D. G. (1994). Evaluation of granulocyte-macrophage colony-stimulating factor for treatment of pancytopenia in children with Fanconi anemia. *Journal of Pediatrics, 124*(1), 144–150. https://doi.org/10.1016/S0022-3476(94)70271-3

56. *Guinan, E. C., Lee, Y. S., **Dunn Lopez, K.,** Kohler, S., Oette, D. H., Bruno, E., Kozakewich, H., Nathan, D. G., & Hoffman, R. (1993). Effects of interleukin-3 and granulocyte-macrophage colony-stimulating factor on thrombopoiesis in congenital amegakaryocytic thrombocytopenia. *Blood, 81*(7), 1691–1698.

## Book Chapters

*Published*

1. **Dunn Lopez, K.**, Janeway, L., & Berg, M. (2021). Nursing Informatics for Leaders in Clinical Nursing. In D. Huber, & L. M. Josephs (Eds.), *Leadership and Nursing Care Management* (7th ed.). Elsevier.

2. **Dunn Lopez, K.**, O'Rourke, J., Lane-Fall, M., & Abraham, J. (2021). Improving Handoffs Using Systems Frameworks and Simulation. *Comprehensive healthcare simulation: Improving healthcare systems. (pp73-76).* Springer.

3. Morrow, D.G., & **Dunn Lopez, K.** (2015). Theoretical foundations for health communication research and practice. In V. L. Patel, T.G. Kannampallil, & D. R. Kaufman (Eds.), *Cognitive informatics for biomedicine: Human computer interaction in healthcare* (pp. 35–57). Springer.

4. **Dunn Lopez, K.,** & Keenan, G. (2010). Collaboration between nurses and physicians: The need for a broader view. In P. S. Cowen & S. Moorhead (Eds.), *Current issues in nursing* (8th ed., pp. 468–479). Mosby.

5. **Dunn Lopez, K.** (2010). Ethics of health care reform: Should health care be rationed? In P. S. Cowen & S. Moorhead (Eds.), *Current issues in nursing* (8th ed., pp. 598–609). Mosby.

6. **Dunn Lopez, K.** (2006). Ethics of health care reform: Should health care be rationed? In P. S. Cowen & S. Moorhead (Eds.), *Current issues in nursing* (7th ed., pp. 611–619). Mosby.

**Scientific Research Grants**

2021-2024    *The Iowa Health Data Resource*
*Project Lead:* Boyd, K., *Role:* Intercollegiate Advisory and Implementation Team Member, Lead Faculty Liaison College of Nursing, *Funding:* University of Iowa Public Private Partnership, *Amount:* $ 2,220,441

2020–2021    *A data-driven approach to classify safety criteria for mobility readiness*
*Principal Investigator*: Krupp, A., *Role*: Research Mentor, *Funding*: Jo Ellen Ross Research Grant University of Iowa College of Nursing, *Amount*: $10,000

2019–2021    *Tailored clinical decision support formats designed to improve palliative care for cancer and chronically ill patients: A pre-clinical test*
*Principal Investigators (MPIs):* Dunn Lopez, K., Keenan G., & Yao, *Role*: MPI, 15% over 3 years. On this team, I lead the recruitment and enrollment of a diverse sample of a national sample of acute care nurses as well as collaborate on the interpretation of analytic findings. *Funding*: National Institute of Nursing Research, R01 1R01NR018416-01, *Amount*: $1,927,570

2019–2020    *Development of a stand-alone prototype application for clinical practice: The symptom index risk stratification application (SIRSA)*
*Principal Investigator*: Lockwood, M., *Role*: Co-Investigator, *Funding*: The University of Illinois, College of Nursing, Department of Biobehavioral Health Sciences, *Amount:* $1,000 Innovation Award

2018–2022    *MyPHA: Automatically generating personalized accounts of in-patient hospitalizations*
*Principal Investigator*: Di Eugenio B., *Role*: Co-Investigator (5% over 4 years). As the lead nursing investigator on this team, my role is to: 1) lead the identification of nursing care terms (NANDA-I, NIC and NOC) from real world nursing handoffs into our prototype decision aid for post-hospitalization heart failure self-care, 2) collaborate on the analysis and transformation of qualitative patient interview data into the prototype decision aid and 3) to mentor and supervise the nursing informatics PhD student research assistant. *Funding*: National Cancer Institute, R01 CA225446-01. *Amount:* $1,500,000

2013–2016    *Benefits and unintended consequences of communication technology use in hospitals*
*Principal Investigator*: Dunn Lopez, K., *Role*: Principal Investigator, *Funding*: Office of the Vice Chancellor for Research, Campus Research Board, *Amount*: $20,000

2011–2015    *Describing, contrasting, and visualizing end of life care in the 21st century*
*Principal Investigators (MPIs)*: Keenan, G., Wilkie, D., & Yao, Y., *Role*: Co-Investigator (10-25%), On this team, I led the second of two study aims focusing on the 1) transformation of findings from the data mining aim into clinical decision support prototypes and 2) user center design and testing of the prototype with a sample of

practicing nurses., *Funding*: National Institutes of Health, National Institute of Nursing Research, R01 NR012949, *Amount*: $1,976,816

2011–2012    *Evaluating the impact of electronic health record system on outpatient clinical processes*
*Principal Investigator*: Morrow, D., *Role*: Co-Investigator, As the only clinician researcher on this team, I led the planning and execution of data collection in routine clinical workflow as well as collaborating on the interpretation of analytic findings. *Funding*: University of Illinois at Urbana-Champaign, Office of the Vice-Chancellor for Research and Beckman Institute, Faculty Seed Grant. *Amount*: $7,120

2009–2011    *Reducing disparities in underserved populations.*
*Principal Investigator*: Dancy, B., *Role*: Post-Doctoral Fellow ($90,457), *Funding*: National Institutes of Health, National Institute of Nursing Research, T32 NR007964, *Amount*: $544,744 (Total)

**Research Presentations**
Key:
*= data based
**bold** = my authorship
<u>underlined</u> = senior author;
~ = mentored student, post-doctoral fellow, or junior faculty as author

*International*

1. **Dunn Lopez, K.,** Englebright, J., Monsen, K., Kennedy, K., Bickford, C. & Carroll, W. **(2023).** International Council of Nurses (ICN) Congress. Montreal. [Oral Poster]

2. Staub, M., Harkonen, M., Christensen, B., Die Maura, S., Rossi, L., **Dunn Lopez, K.** (2023). "Babel nursing languages? Interoperability: how to harmonize implementation, research and education?" ACENDIO- The Association for Common European Nursing Diagnosis, Interventions and Outcomes, Rome [Invited Panelist].

3. **Dunn Lopez, K.,** Chae, L., Litweller,D., Wagner, C., Moorhead, S., Swanson, E. (2023). Searching for nurse generated interventions from medical-surgical nurses' documentation of care provided to patients with covid-19 in large vendor's electronic health record's flowsheets. ACENDIO- The Association for Common European Nursing Diagnosis, Interventions and Outcomes, Rome [Oral Presentation].

4. **Dunn Lopez,K.,** Gusen, N., D'Agostino, F. (2023). Searching for evidence of nurses' caring interventions I the electronic health record. ACENDIO- The Association for Common European Nursing Diagnosis, Interventions and Outcomes, Rome [Oral Presentation].Rome [Oral Presentation].

5. **\*Dunn Lopez, K.,** Oberfrank, N.d. C., Aggarwal, S., Vatani, H., Landes, P., Davis, A., Lindstrom, A., Nowak, M., Boyd, A.D., Martyn-Nemeth, P., Wagner, C., Fraczkowski, D., DiEugenio, B. (2023) Using NANDA-I nursing classifications to compare and harmonize disparate sources of

care: handoff transcripts to locally derived electronic health record documentation. NANDA-I Conference, Boston [Oral Presentation].

6. Ferreira, R.C., **Dunn Lopez, K.,** Moorhead, S., Correia, M.D.L., Botelho M.T.L., Costa, P.C.P., Ribeiro, E., Carvalho, L.A.C., Montanari, F.L., Duran, E.C.M. (2023). Content analysis of the Nursing Diagnosis Fatigue (00093) in immediate postpartum women through a Focus Group methodology. NANDA-I Conference, Boston [Oral Presentation].

7. Ferreira, R.C., **Dunn Lopez, K.,** Moorhead, S., Correia, M.D.L., Botelho M.T.L., Costa, P.C.P., Ribeiro, E., Carvalho, L.A.C., Montanari, F.L., Duran, E.C.M.(2023).Scoping review to propose a new Nursing Diagnosis: Multiple trauma injury syndrome. NANDA-I Conference, Boston [Oral Presentation].

8. **Dunn Lopez, K.** (2021, November). *Developing decision support for nurses: Putting documentation data to good use.* EHiN 2021, Norwegian Nurses Association, Oslo, Norway. [invited]

9. **\*Dunn Lopez, K.,** Swanson, E. Chae, S., Litwiller, D. Moorhead, S. Wagner, C. and Abe, N. (2021). *Unearthing nursing documentation within electronic health record data to determine the impact of nursing care for hospitalized patients with COVID-19: Work in Progress.* Health Information Management System and Society. Global Health Conference, Nursing Informatics Symposium. Las Vegas, NV. [poster]

10. **Dunn Lopez, K.** Cho, H., Dos Santos, F. D., Maciera, T., Mandola, O., Bjarnadottir, R., Wilkie, D/ & Keenan, , G. (2021). *Methods to conduct a national remotely administered randomized trial of simulation -based NANDA-I, NIC and NOC clinical decision support system.* Virtual ACENDIO Conference Online.

11. **Dunn Lopez, K.** (2019). *Unlock the potential- Six novel ways to use nursing data in your research*. ACENDIO (The Association for Common European Nursing Diagnoses, Interventions and Outcomes) Conference, Falun, Sweden. [keynote, invited]

12. Acharya, S., Di Eugenio, B., Boyd, A. D., Cameron, R., **Lopez, K. D.**, Martyn-Nemeth, P., Chattopadhyay, D., Habibi, P., Dickens, C., Vatani, H., and Ardati, A. (2019). *A quantitative analysis of patients' narratives of heart failure.* The 20th Annual Meeting of the Special Interest Group on Discourse and Dialogue (SIGDIAL 2019), Stockholm, Sweden. [published conference paper]

13. **Dunn Lopez, K.** (2018). *Innovations in health professionals' education- applying team based learning methods using communication and information technologies.* The Third Asian Congress in Nursing Education, Yogyakarta, Indonesia. [keynote, invited]

14. **Dunn Lopez, K**. (2016). *Entering the worlds of big data and clinical decision support using standardized nursing terminologies*. Bringing NANDA-I, NOC, NIC into Action: Research Education and Clinical Practice Conference, Yogyakarta, Indonesia. [keynote, invited]

15. Acharya, S., Di Eugenio, B., Boyd, A. D., Cameron, R., **Dunn Lopez**, K., Martyn-Nemeth, P., Chattopadhyay, D., Habibi, P., Dickens, C., Vatani, H., & Ardati, A. (2019). *Promoting patient engagement through personalized hospital-stay summaries.* Institute of Electrical and Electronic Engineers (IEEE) International Conference on Biomedical and Health Informatics, Chicago, Illinois. [poster]

16. *Habibi, P., Acharya, S., Di Eugenio, B., Cameron, R., Boyd, A. D., **Lopez, K. D.**, Martyn-Nemeth, P., Dickens, C., Ardati, A., & Chattopadhyay, D. (2019). *Designing self-care technologies for HF patients: A conceptual model.* Workshop on Interactive Systems in Healthcare, Glasgow, Scotland. [poster]

17. *<u>**Dunn Lopez, K.**</u>, & Abraham, J. (2016). *Benefits, consequences, and opportunities for redesign of communication technologies for nurse-physician communication.* The International Symposium on Human Factors and Ergonomics in Health Care, New Orleans, Louisiana. [poster]

18. *Roussi R., Sousa, V., **Dunn Lopez, K.**, Balasubramanian A., Keenan G. M., Burton M., Bahroos N., Di Eugenio B., & <u>Boyd A. D.</u> (2015). *Are we talking about the same patient?* The Medinfo 2015 Conference, Sao Paulo, Brazil. [poster]

19. *Febretti, A., Sousa V., **Lopez K. D.**, Yao, Y., Johnson, A., Keenan, G. M., & <u>Wilkie, D. J.</u> (2014, November). *One size doesn't fit all: The efficiency of graphical, numerical and textual clinical decision support for nurses.* The IEEE (Institute of Electrical and Electronic Engineers) VIS 2014 Workshop on Electronic Health Record Data Visualization (EHRVis), Paris, France. [presented, published conference paper]

20. *Febretti, A., **Dunn Lopez, K.**, Stifter, J., Johnson, A., Keenan, G., & <u>Wilkie, D. J.</u> (2014, April/May). *Evaluating a clinical decision support interface for end-of-life nurse care.* Association for Computing Machinery, Special Interest Group on Computer-Human Interaction, Conference on Human Factors in Computing Systems, Toronto, Ontario. doi: 10.1145/2559206.2581170 [presented, published conference paper]

    • Ranked as #1 publication in the Field of Human Computer Interaction

21. ***Dunn Lopez, K.**, Chieh-Li, C., Ramsey, R., Petry, J., Schuh, W., & <u>Morrow, D.</u> (2012). *Effects of an EHR system in an urgent/convenient care clinic: Implications for redesign.* The International Symposium on Human Factors and Ergonomics in Health Care, Baltimore, Maryland. [poster]

22. ***Dunn Lopez, K.,** Soto, E.**,** Stifter, J., Kennedy, M., Johnson, A., & Keenan, G. (2020). *Differentiating decision support needs of novice and expert nurse.* Society for Medical Decision Making. Berlin, Germany. (not presented due to COVID-19) [peer reviewed, conference podium]

23. *Acharya, S., Boyd A. D., R. Cameron, **Dunn Lopez, K,** Martyn-Nemeth, P., Dickens, C. Ardati, A. & Di Eugenio, B. (2019). *Incorporating Personalization Features in a Hospital-Stay Summary Generation System.* Proceedings of the 52nd Hawaii International Conference on System Sciences, Maui, Hawaii [peer reviewed, conference podium]

24. *Acharya, S., Di Eugenio B., Boyd A. D., **Dunn Lopez, K.**, Cameron R., & Keenan G. (2016). *Generating summaries of hospitalizations: A new metric to assess the complexity of medical terms and their definitions.* Proceedings of the 9th International Natural Language Generation (INLG 2016), Edinburgh, Scotland. [peer reviewed, conference podium]

25. *Acharya, S., <u>Di Eugenio B.</u>, Boyd A. D., & **Dunn Lopez K**. (2016). *Towards generating comprehensible hospital-stay summaries for patients*. The International Conference on Healthcare Informatics (ICHI) Doctoral Consortium, IEEE (Institute of Electrical and Electronics Engineers), Chicago, Illinois. [peer reviewed, conference podium]

26. **Dunn Lopez, K.**, Stifter, J., Febretti, A., Sousa, V., Johnson, A., Wilkie, D. J., & <u>Keenan, G. M.</u> (2015). *Formative and summative testing of nursing clinical decision support prototypes.* The 10<sup>th</sup> Biennial Conference of the Association for Common European Nursing Diagnoses, Interventions and Outcomes, Ehealth and Nursing, Knowledge for Patient Care, Bern, Switzerland. [peer reviewed, conference podium]

27. **\*Dunn Lopez, K.**, Chen J. L.*,* Such, W., & <u>Morrow, D.</u> (2014). *Impact of change from hybrid to meaningful use EHR system on clinical workload, workflow and opportunity for errors.* The International Symposium on Human Factors and Ergonomics in Health Care: Leading the Way, Chicago, Illinois. [peer reviewed, conference podium]

28. **\*Dunn Lopez, K.**, Chen, J. L.*,* Schuch, W., & <u>Morrow, D</u>. (2013). *Effects of EHR system change on nurse and physician perceived workload and EHR usability in urgent/convenient care clinics.* The 2013 International Annual Meeting of the Human Factors and Ergonomics Society, San Diego, California. [peer reviewed, conference podium]

29. **\*Dunn Lopez, K.** (2010). *Implications of within profession differences in nurse-physician work relationships on efficiency and care coordination.* The 16th Qualitative Health Research Conference, Vancouver, British Columbia. [peer reviewed, conference podium]

*National*

1. **Dunn Lopez, K.** (2022). Updates on Nursing Interventions Classification (NIC) and Nursing Outcomes Classification. Friends of the National Library of Medicine Virtual Workshop [Invited].

2. **Dunn Lopez, K.** (2022). Use of Nursing Interventions Classification (NIC) and Nursing Outcomes Classification to advance nursing knowledge. Friends of the National Library of Medicine Virtual Workshop [Invited].

3. **Dunn Lopez, K.** (2022). Use of Nursing Interventions Classification (NIC) and Nursing Outcomes Classification to promote health equity. Friends of the National Library of Medicine Virtual Workshop [Invited].

4. Cho, H., Keenan, G., Madandola, O., Fabiana, D. S., Tamara, M., Bjarnadottir, R., Priola, K., & **Dunn Lopez, K**. (2021). *Usability of Clinical Decision Support System for Nursing Care Planning in Palliative Care: Heuristic Evaluation*. American Medical Informatics Association 2021 Annual Symposium, San Diego, CA. [poster].

5. Cho, H., Keenan, G., & **Dunn Lopez, K.** (2021). *Empirical Heuristic Assessment of Digital Health Technology: Pre-Implementation of Nursing Clinical Decision Support*. Academy Health Annual Research Meeting. [poster].

6. **Dunn Lopez, K.** (2021). *Innovative preclinical testing methods for building useful and generalizable nursing clinical decision support systems.* The Rita Kobb Nursing and Health Informatics National Symposium, Gainesville, Florida. [invited]

7. Alexander, G., Topaz, M., Hull, S. **Dunn Lopez, K.,** Cato, K., Monsen, K., & Wang, M. (2020). *Nursing informatics in times of COVID 19: Achievements, challenges, and new ideas.* American Medical Informatics Association, COVID Webinar Series. [invited]

8. **Dunn Lopez, K.** (2019). *Engaging patients in post hospitalization self-care: Methods for a novel use for standardized data in nursing plans of care.* The 29<sup>th</sup> Summer Institute in Nursing Informatics: Healthcare Informatics: A Catalyst for Value-Driven Care Transitions, Baltimore, Maryland. [invited]

9. **Dunn Lopez, K.,** Martinez, Soto, E., Stifter, J., Kennedy, M., Johnson, A. & Keenan, G. (2020). *Differentiating decision support needs of novice and expert nurses.* American Medical Informatics Association Virtual Symposium. Chicago, Illinois. [peer reviewed, conference podium]

10. ~*Vatani, H., Acharya, S, Boyd, A. D., Di Eugenio, B, Cameron, R, Martyn-Nemeth, P., Chattopadhyay, D., Habibi, P., Dickens, C., Ardati, A., & **Dunn Lopez, K.** (2019). *Patients' perceptions of heart failure through the lens of standardized nursing terminologies.* American Medical Informatics Association, Washington, *DC.* [peer reviewed, conference podium]

11. **Dunn Lopez, K**., Kochendorfer, K., Azhar, K., Khamo, N. Shah, S. D., Papautsky, E. L., Mitchell, C. G., Straube, D. D., Gruss, V.*,* Burton, S., Sharma, H., Vatani, H., & Valenta, A. (2019). *Flipping the Interprofessional education classroom: a novel method for teaching about HIT in collaborative practice*. American Medical Informatics Association, Informatics Educators Forum. St. Louis, Missouri. [peer reviewed, conference podium]

12. Crosbee, D., **Dunn Lopez, K.,** & Kassler, W. (2018). *Helping clinicians navigate health app choices.* Panelist American Heart Association Scientific Sessions, Chicago, Illinois. [invited]

13. Macieira, T. G. R., Smith, M. B., Davis, N., Yao, Y., Wilkie, D. J., **Dunn Lopez, K.,** & Keenan, G. (2017). *Evidence of progress in making nursing practice visible using standardized nursing data: A systematic review.* The American Medical Informatics Association Annual Symposium, Washington, DC. [peer reviewed, conference podium]

14. Macieira, T. G., Smith, M. B., Davis, N., Yao, Y., Wilkie, D. J., **Lopez, K. D**., & Keenan, G. M. (2017). *Evidence of Progress in Making Nursing Practice Visible Using Standardized Nursing Data: A Systematic Review.* American Medical Informatics Association Annual Symposium Proceedings (Vol. 2017, p. 1205). American Medical Informatics Association. [presented, published conference paper]

15. **Dunn Lopez, K.** (2016). *An integrative review of clinical decision support for (acute care registered) nurses: Setting an agenda that advances science and practice.* As part of: Designing Next Generation of Clinical Decision Support for Nursing from Hospital to Homecare: Pre-Symposium Tutorial, American Medical Informatics Association Annual Symposium, Chicago, Illinois. [invited]

16. Gephart, S, M., Abraham, J., Raszewski, R., Price, L., & **Dunn Lopez, K.** (2015). *An integrative review of nursing clinical decision support systems: Examining the impact on process, usability and patient outcomes.* The American Medical Informatics Association Symposium, San Francisco, California. [peer reviewed, conference podium]

17. Di Eugenio, B., Boyd, A. D., Lugaresi, C., Balasubramanian, A., Keenan, G. M., Burton, M., Rezende Macieira, T. G., **Dunn Lopez, K.**, Friedman, C., Li, J., & Lussier, Y. (2014, June). *PatientNarr: Towards generating patient-centric summaries of hospital stays.* The Eighth International Natural Language Generation Conference, Philadelphia, Pennsylvania. [presented, published conference paper]

18. *****Dunn Lopez, K.,** Febretti, A., Yao, Y., Stifter, J., Johnson, A., Wilkie D. J., & Keenan, G. (2013). *Clinical decision support alert forms: Nurse preferences and relationships with nurse*

*characteristics.* The American Medical Informatics Association Annual Symposium, Washington, DC. [peer reviewed, conference podium]

19. *~Febretti, A, **Lopez, K,** Stifter, J, Johnson, A, Keenan, G, & Wilkie, DJ. (2013, July). *A component-based evaluation protocol for clinical decision support interfaces.* The 15th International Conference on Human-Computer Interaction, Las Vegas, Nevada. In A. Marcus (Ed.), Design, user experience, and usability. Design philosophy, methods, and tools lecture notes in computer science, (pp. 232-241). Springer. https://doi.org/10.1007/978-3-642-39229-0_26 [presented, published conference paper]

20. **\*Dunn Lopez, K.,** Arora, V., Chen, Y., Johnson, J., Boyd, A., D., Keenan, G., & Wilkie, D. (2012). *Electronic tools for cognitive support during resident handoffs: State of the practice and future directions*. The American Medical Informatics Association Annual Symposium, Chicago, Illinois. [peer reviewed, conference podium]

21. Zakkar, A., Vatani, H., Di Eugenio, B., Dickens, C., Martyn-Nemeth, P., **Dunn Lopez, K.**, Ardati, A. K., & Boyd, A. D. (2021, March). *Evolution of language differences between physicians and nurses.* American Medical Informatics Association 2021 Virtual Informatics Summit. [poster]

22. Khatib, L., Vatani, H., Di Eugenio, B., Dickens, C., Martyn-Nemeth, P., **Dunn Lopez, K.**, Ardati, A. K., & Boyd, A. D. (2021, March). *An In-depth comparison between nurse and physician health terminology from a nonprofessional perspective*. American Medical Informatics Association 2021 Virtual Informatics Summit. [poster]

23. Santos, F. C., Macieira, T. G. R., Yao, Y., Cho, H., Madandola, O. O., Ragnhildur, B., Wilkie, D. J., **Dunn Lopez, K**., & Keenan, G. M. (2021, March). *Analysis of EHR-driven standardized nursing data to explore psychospiritual care for hospitalized patients.* American Medical Informatics Association 2021 Virtual Informatics Summit. [poster]

24. Madandola, O. O., Yao, Y., Cho, H., **Dunn Lopez, K.**, Dos Santos, F. C., Macieira, T. G. R., Wilkie, D. J., Keenan, G. M., & Bjarnadottir, R. (2020, November). *Characterizing fall-related nursing care using standardized electronic nursing data.* American Medical Informatics Association 2020 Virtual Annual Symposium. [poster]

25. Krupp, A., Greiner, J., & **Dunn Lopez, K. (**2020, November). *Mapping guideline recommendations to electronic health records: A first step in developing clinical decision support about ICU patient mobility*. American Medical Informatics Association 2020 Annual Symposium, Chicago, Illinois. [poster]

26. Cho, H., **Lopez, K. D.**, Yao, Y., Bjarnadottir, R., Bian, J., Wilkie, D., & Keenan, G. (2020). *Assessment of clinical decision support (CDS) formats for supporting nurses' palliative care planning decisions.* American Medical Informatics Association 2020 Virtual Annual Symposium; Chicago, Illinois. [poster]
    - Finalist Distinguished Poster Competition

27. ~*Girgis, M., Donevant, S. B., Habibi, P., Chattopadhyay, D., Fraczkowski, D., & **Dunn Lopez, K.** (2019). *Functions and readability of Mhealth for heart failure self-care.* American Medical Informatics Association Annual Symposium, Washington, DC.

    - High School Scholars competition [poster]

28. *Patel, P., Vatani, H., **Dunn Lopez, K.**, Boyd, A. D. (March 2019). NLM-SNOMED-CT Nursing lists: Little overlap with physician used terms. American Medical Informatics Association Informatics Summit, San Francisco, California. [poster]

29. *Acharya S, Boyd AD, **Lopez KD,** Cameron R, Di Eugenio B. (2018). Determining Medical Term Complexity: Features Identification and Comparison of Classification Techniques. American Medical Informatics Association Informatics Summit, Scottsdale, Arizona. [poster]

30. *Roussi K., **Dunn Lopez K.**, Di Eugenio B., & Boyd, A. D. (2017, November). *Physician negation of nursing concepts in the electronic health record.* The American Medical Informatics Association Annual Meeting, Washington, DC. [poster]

31. * Acharya S., Di Eugenio, B., Boyd A. D., Cameron, R., **Lopez, K. D.**, Martyn-Nemeth, P., Dickens, C., & Ardati, A. (2017, September). *Personalizing hospital-stay summaries for patients*. The ACM TAPIA Conference, Atlanta, Georgia. [poster]

32. ~ *Alvarez, M., & <u>**Dunn Lopez, K.**</u> (2016). *Comparing hospital nurses' and physicians' attitudes about interdisciplinary communication openness and safety.* The Annual Biomedical Research Conference for Minority Students, Tampa, Florida. [poster]

33. *~ Melvin, A., **Dunn Lopez, K.**, Hopcia, K., & <u>Muzaffar, S.</u> (2016). *Diagnosing latent tuberculosis infection.* The American Association of Occupational Health Nurses 2016 National Conference, Jacksonville, Florida. [poster]

34. **Dunn Lopez, K.** (2009). *An elephant in the room: The role of race in nurse-physician relationships.* Poster presented at the Academy Health Annual Research Meeting, Chicago, Illinois. [poster]

35. **<u>*Dunn Lopez, K.</u>**, & Whelan, C. (2009). *A qualitative study of hospitalists' and non-hospitalists' work relationships with staff nurses.* The Annual Meeting of Society of Hospital Medicine, Chicago, Illinois. [poster].

36. **Dunn Lopez, K**. (2007). *A qualitative study of nurses' and physicians' perceptions of the nurse-physician work relationships.* The Academy Health Annual Research Meeting, Orlando, Florida. [poster]

*State/Regional*

1. Krupp, A, Dunn, H, Potter, K, **Dunn Lopez, K.** (2021). *Electronic Health Record-based Phenotype for ICU Mobility: Developing an Algorithm for Classifying Patient Safety Criteria*. MNRS Research Conference. Virtual. [peer reviewed, conference podium]

2. **Dunn Lopez, K.**, Chae, S., Girgis M. Fraczkowski, D., Habibi, P, Chattopadhyay, & Donevant. (2020, March). *Improved Readability and Functions Needed for Mhealth Targeting Patients with Heart failure: An App Store Review.* Midwest Nursing Research Society's 44th Annual Research Conference, Schaumburg, Illinois. [peer reviewed, conference podium]
   - Distinguished Abstract

3. **Dunn Lopez, K.**, Boyd, A., Acharya, S., Lugaresi, C., Macieira, T., Sousa, V., Abinaya Balasubramanian, A., Roussi, K., Keenan, G. M., Lussier, Y., Li, J., Burton, M., & DiEugenio. B. (2019). *Illustration of an Innovative Method to Analyze Electronic Health Record Documentation Data.* Midwest Nursing Research Society's 43rd Annual Research Conference, Kansas City, Missouri. [peer reviewed, conference podium]

4. ~*O'Rourke, J., **Dunn Lopez, K**., Abraham, J., & Riesenberg, L. (2019). *Validation of the core nursing handoff components.* The Midwest Nursing Research Society's 43rd Annual Research Conference, Kansas City, Missouri. [peer reviewed, conference podium]

5. ~*O'Rourke, J., Abraham, J., **Dunn Lopez, K.**, & Riesenberg, L. (2017). *Achieving consensus on core nursing handoff components: A national Delphi study*. The Midwest Nursing Research Society's 41st Annual Research Conference, Minneapolis, Minnesota. [peer reviewed, conference podium]

6. *~Martinez Soto, E., **Dunn Lopez, K.**, Kennedy, M., Stifter, J., Febretti, A., Johnson, A., Wilkie, D., & Keenan, G. (2014). *Differentiating between novice and expert nurses' clinical decision support need.* The Midwest Nursing Research Society's 38th Annual Research Conference, St. Louis, Missouri. [peer reviewed, conference podium,]

7. *Stifter, J., Yao, Y., Lodhi, M. K., **Dunn Lopez, K.**, Khokhar, A., Wilkie, D. J., & Keenan, G. (2014). *An innovative study to link patient outcomes and individual nurse continuity using practice-based evidence.* The Midwest Nursing Research Society's 38th Annual Research Conference, St. Louis, Missouri. [peer reviewed, conference podium]

8. **Dunn Lopez, K**. (2014). *How clinical decision support derived from electronic health record data can be used effectively to support evidence-based nursing practice.* Korean Hospital Nurses Association, Leadership Development Program, Chicago, Illinois. [invited]

9. **Dunn Lopez, K.**, Stifter, J., Febretti, A., Johnson, A., Wilkie, D. J., & Keenan, G. (2013). *Improving learnability and efficiency of evidence based information in clinical decision support.* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, Illinois. [peer reviewed, conference podium]

10. *Keenan, G., Yao, Y., **Dunn Lopez, K.**, Stifter, J., & Wilkie, D. (2013). *Use of the EHR to monitor unit based practice patterns.* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, Illinois. [peer reviewed, conference podium,]

11. *Yao, Y., Keenan, G., Stifter, J., **Dunn Lopez, K.**, Khokhar, A., Ansari, R., & Wilkie, D. (2013). *Practice-based evidence from an electronic health record (EHR): Insight for improving pain management at the end of life (EOL).* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, Illinois. [peer reviewed, conference podium]

12. *Cheema, U., Lodhi, M. K., Stifter, J., Yao, Y., **Dunn Lopez, K.**, Ansari, R., Ansari, R.,Wilkie, D., & Keenan, G. (2013). *Nursing care of end-of-life patients facing death anxiety.* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, Illinois. [peer reviewed, conference podium]

13. *Lodhi, M. K., Cheema, U., Stifter, J., Yao, Y., **Dunn Lopez, K.**, Keenan, G., & Khokhar, A. (2013). *State of nursing care patients with anticipatory grieving: Lessons learned from standardized nursing data.* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, IL. [peer reviewed, conference podium]

14. **Dunn Lopez, K.** (2012). *Benefits and unintended consequences of communication technology use between nurses and physicians.* Biomedical and Health Informatics Colloquium, UIC College of Medicine, Chicago, Illinois. [invited]

15. **Dunn Lopez, K.** (2011). *Ensuring electronic health records represent and support nursing*. Korean Hospital Nurses Association, Leadership Development Program, Chicago, Illinois. [invited]

16. **\*Dunn Lopez, K.** (2008). *A mixed methods study of nurse-physician work relationships.* The Midwest Nursing Research Society's 32nd Annual Research Conference, Indianapolis, Indiana. [peer reviewed, conference podium]

17. **\*Dunn Lopez, K.,** Kanak, M., & <u>Gerling, G.</u> (2005). *The application of a cognitive engineering work analysis to the issue of patient safety.* The Midwest Nursing Research Society's 29th Annual Research Conference, Cincinnati, Ohio. [peer reviewed, conference podium]

18. **\*Dunn Lopez, K.** (2001). *A descriptive pilot survey of nurses' information utilization and needs for evidence-based practice implementation.* The Midwest Nursing Research Society's 25th Annual Research Conference, Cleveland, Ohio. [peer reviewed, conference podium]

19. ~Matson, J., Corte C. **& <u>Dunn Lopez, K.</u>** (2019, March). *Determination of content validity index for a simulated patient to investigate sentinel events*. The Midwest Nursing Research Society's 43rd Annual Research Conference, Kansas City, Missouri. [poster]

    - Winner MNRS Student Poster Competition, University of Illinois at Chicago College of Nursing

20. **Dunn Lopez, K**., & Sousa Friere, V. (2018). *Demonstrating usability of you E-health innovations: A systematic review of usability questionnaires.* The Midwest Nursing Research Society's 42nd Annual Research Conference, Cleveland, Ohio. [poster]

21. ~Frackowski, D., Matson, J., & **Dunn Lopez, K.** (2018). *Nurse workarounds to the required electronic health record work: An integrative review.* The Midwest Nursing Research Society's 42nd Annual Research Conference, Cleveland, Ohio. [poster]

22. *~ Matson, J., & **<u>Dunn Lopez, K.</u>** (2016). *Moving to expert with situation awareness measurement: A systematic literature review.* The Midwest Nursing Research Society's 40th Annual Research Conference, Milwaukee, Wisconsin. [poster]*

23. McKinney, D., Tastan, S., Lynch, G., Stifter, J., Fahey, L., **Dunn Lopez, K.**, Yao, Y., Wilkie, D., & <u>Keenan, G.</u> (2013, March). *Evidence in support of standardized nursing taxonomies (SNT): A systematic review to inform decisions about their inclusion in the electronic health record (EHR).* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, Illinois. [poster]

24. \*Stifter, J., **Dunn Lopez, K.**, Febretti, A., Johnson, A., Wilkie, D., & <u>Keenan, G.</u> (2013, March). *Identifying nurse preferences for presentation of evidence based end of life (EOL) pain management information in clinical decision support systems.* The Midwest Nursing Research Society's 37th Annual Research Conference, Chicago, Illinois. [poster]

25. **\*Dunn Lopez, K.** (2001, March). *A descriptive pilot survey of nurses' information utilization and needs for evidence-based practice implementation.* The Midwest Nursing Research Society's 25th Annual Research Conference, Columbus, Ohio. [poster]

*Local*

1. *O'Rourke, J., **Dunn Lopez, K.** Hagan, K., Lindsey, K. & Abraham, J. *Validation of Nurse-Nurse Handoff Tool Using Content Analysis of Transcribed Handoffs.* (2019, March). Ruth K. Palmer Research Symposium, Loyola University School of Nursing, Chicago, Illinois. [poster]

2. ~Alvarez, M., & **Dunn Lopez, K.** (2016). *Comparing hospital nurses' and physicians' attitudes about interdisciplinary communication openness and safety.* Bridges to Baccalaureate Program Summer Research Colloquium, University of Illinois at Chicago, Chicago, Illinois. [poster]

3. **\*Dunn Lopez, K.** (2016). *RN and MD communication technologies on medical units: Benefits, consequences and usability.* Resident and Nursing Research Day, Presence St. Joseph's Hospital, Chicago, Illinois. [poster]

   - First Place Award

4. *Roy, B., Kausnik, V., **Dunn Lopez, K.**, Schuh, W., & Morrow, D. (2015). *Usability and effects of EHR system change on perceived workload.* Undergraduate Research Symposium, University of Illinois at Urbana-Champaign, Urbana-Champaign, Illinois [poster]

5. *Keenan G. M., Stifter J., Febretti A., Lodhi, M., **Dunn Lopez, K.**, Yao, Y., Khokhar, A., Johnson, A., Ansari, R., & Wilkie, D. J. (2014). *Well tested electronic care planning system produces powerful evidence for nursing care decision.* 2nd Annual Advocate Nursing Research Symposium, Chicago, Illinois. [poster]

6. *Stifter, J., Yao, Y., Lodhi, M. K., **Dunn Lopez, K.**, Khokhar, A., Wilkie, D. J., & Keenan, G. (2014). *An innovative study to link patient outcomes and individual nurse continuity using practice-based evidence.* 2nd Annual Advocate Nursing Research Symposium, Chicago, Illinois. [poster]

## SERVICE

**Editorial and Peer Review Service**

*Editorial Board*

| | |
|---|---|
| 2018-present | Journal of the American Medical Informatics Association- Open |

<u>Guest Editor</u>

| | |
|---|---|
| 2023 | Journal of the American Medical Informatics Association<br>Standardized Nursing Terminologies Come of Age: Advancing Quality of Care, Population Health, and Health Equity Across the Care Continuum |

*Grant Reviews*

| | |
|---|---|
| 2021 | National Institutes of Health, Small Business Innovation Research |
| 2020, 2022 | University of Iowa, College of Nursing, Pilot Grant Program |
| 2020 | University of Iowa, College of Nursing, Pilot Grant Program |
| 2018 | Midwest Nursing Research Society, Grants Program |
| 2015 | National Science Foundation, Smart and Connected Health |
| 2012 | National Institutes of Health, Small Business Innovation Research |
| 2011 | National Institutes of Health, Small Business Innovation Research |

*Manuscript Reviews*

| 2020-2022 | Applied Clinical Informatics |
| 2020 | British Medical Journal Open |
| 2017 | Journal of the American Medical Informatics Association-Open |
| 2017 | BMC Medical Informatics and Decision Making |
| 2015–2016 | Institute of Electrical and Electronics Engineers (IEEE) Transactions on Learning Technologies |
| 2014–2015 | Journal of the American Psychiatric Nurses Association |
| 2013–2016 | Journal of Interprofessional Care |
| 2011 | Journal of Hospital Medicine |
| 2011–2022 | Journal of the American Medical Informatics Association |

*Scientific Program Committee*

| 2023 | American Medical Informatics Association, Clinical Informatics Conference |
| 2021 | American Medical Informatics Association, Annual National Symposium |

*Conference Abstract Reviews*

| 2020 | Society for Medical Decision Making |
| 2012–2022 | American Medical Informatics Association, Annual National Symposium |
| 2012–2014 | Council for the Advancement of Nursing Science, State of the Science Congress |
| 2013–2015 | Human Factors and Ergonomic Society, International Health Care Symposium |
| 2014 | Human Factors and Ergonomic Society, International Annual Meeting |
| 2014 | Midwest Nursing Research Society, Annual Research Conference |

**Professional Leadership**

<u>Friends of the National Library of Medicine</u>

| 2022 | Planning Committee Member: Honoring the Legacy of Virginia Saba Through Charting a Path Forward for Standardized Nursing Terminologies in Practice and Research (Invited) |

*American Medical Informatics Association*

| 2023 | Chair, Leadership Development Committee |
| 2023-present | Past Chair, Nursing Informatics Workgroup (2-year term) |
| 2022 | LEAD Fund Advisory Committee |
| 2021 | Participant, 25 by 5 Symposia to Reduce documentation on U.S. Clinicians |
| 2020-2021 | Nominating Committee Member, Nursing Informatics Work Group |
| 2020-2022 | Awards Committee Chair, Nursing Informatics Work Group |
| 2019-2022 | Chair, Nursing Informatics Workgroup (elected 3-year term) |

*Alliance for Nursing Informatics*

| 2020-2022 | Representative, American Medical Informatics Association Nursing Informatics Work Group |
| 2020-present | Representative, Center for Nursing Classification and Clinical Effectiveness |
| 2018-2010 | Representative, Xcertia |
| 2017–2019 | Governing Director (Elected to 2-year term) |

*Healthcare Information and Management Systems Society (HIMSS)*

2020-2022        Work Group Member, Health App Guidelines Initiative

*Xcertia*

2018–2020        Board Member, Xcertia https://www.xcertia.org/

*Midwest Nursing Research Society*

*2016-19          Chair- Health Systems, Policy, & Informatics Research Interest Group (elected to 3-year term)*

## Professional Membership and Committees

*Human Factors and Ergonomic Society*

2012–2017        Member
2013–2016        Program Committee Member, Symposium on Health Care in Human Factors
                 Planner: Health Information Technology Track,

*American Medical Informatics Association*

2011–present      Member

*Midwest Nursing Research Society*

2009–present      Member

## Comments to Federal Policy Drafts

2021, February    *Data Collection Program for Health Informatics Specialist*
                  To the: U.S. Department of Labor, O*NET
                  Task Force Member, American Medical Informatics Association

2019, January     *Strategy on Reducing Regulatory and Administrative Burden Relating to the Use of Health IT and EHRs*
                  To the: Office of the National Coordinator for Health Information Technology
                  Task Force Member, Represented the Alliance for Nursing Informatics

2018, February    Care *Data for Interoperability*
                  To the: Office of the National Coordinator for Health Information Technology
                  Task Force Member, Represented the Alliance for Nursing Informatics and The American Nurses Association

2018, February    *Clinical and Patient Decision Support Software*
                  To the: Federal Drug Administration
                  Invited Policy Task Force Member, Represented the American Medical Informatics Association

2018, February    *Trusted Exchange Framework and Common Agreement*
                  To the: Office of the National Coordinator for Health Information Technology
                  Task Force Member, Represented the Alliance for Nursing Informatics and The American Nurses Association

2017, December    *Proposed Changes to the 2018 Leapfrog Hospital Survey*
                  To the: Leap Frog Group

Task Force Member, Represented the Alliance for Nursing Informatics

2017, November      *Interoperability Standards Advisory*
To the: Office of the National Coordinator for Health Information Technology
Task Force Member, Represented the Alliance for Nursing Informatics

2017, November      *CMS Innovation Center New Direction*
To the: Center for Medicare and Medicaid Services
Task Force Member, Represented the Alliance for Nursing Informatics and The American Nurses Association

2017, January      *National Library of Medicine Strategic Plan*
To the: National Library of Medicine
Co-Chair Task Force, Represented Midwest Nursing Research Society and Eastern Research Nursing Society

2011, October      *Testing and Validation of the Usability of Electronic Health Records*
To the: National Institute of Standards and Technology
Task Force Member, Represented the American Medical Informatics Association, Public Policy Working Group

## University and Collegiate Service

*The University of Iowa*

| | |
|---|---|
| 2021-present | Iowa Health Data Resource- Intercollegiate Advisory and Implementation, Team Member |
| 2022-present | Mentor, First Generation @Iowa Initiative |

*College of Nursing*

| | |
|---|---|
| 2022-present | Member, Search Committee, Mid-Career Tenure Track Faculty |
| 2022-present | Lead, Bio-Nursing Informatics Consulting Team |
| 2021 | Member, Search Committee, Associate Dean for Marketing |
| 2020-2021 | Member, DNP Statistics Task Force |
| 2020-present | Lead, Health Informatics and Technology, Scholarly Interest Group |
| 2020–present | Member, Strategic Leadership Group |
| 2020–present | Member, PhD Admissions and Progression Subcommittee |
| 2019 | Member, Search Committee, Associate Dean for Research |
| 2019–present | Advisor, Research Advisory Group |
| 2019–present | Member, Peer Group for Promotion and Tenure |

*Service to The University of Illinois At Chicago*
*University*

| | |
|---|---|
| 2019 | Learning Management System Board, Comparative usability design evaluation, Consultant |
| 2019 | Interprofessional Immersion Day, Facilitator |
| 2016 | Precision Medicine Initiative: Standardized Health Data and Patient Engagement, Work Group Member |

| 2013-2019 | Information Technology Governance Council-Research Committee, Member |
| 2012-2019 | Undergraduate Research Day, Faculty Judge |

*College of Applied Health Science: Department of Biomedical and Health Information Science*

| 2018–2019 | Ad-Hoc Committee and Teaching Efficiency and Quality, Member |
| 2018–2019 | PhD Subcommittee for Advising and Admissions, Member |
| 2018–2019 | Curriculum Accreditation and Redesign Committee for the Master's in Biomedical Health and Information Sciences, Member |

*College of Nursing: Department of Health Systems Science*

| 2015–2016 | Promotion and Tenure Committee, Member |
| 2012–2013 | Master's Degree Admission Reviews, Member |

*College of Nursing*

| 2014–2018 | Information Technology Advisory Council, Department Representative |
| 2013–2018 | PhD Admissions Review Team, Member |
| 2012 | Baccalaureate Student Poster Session, Faculty Judge |
| 2012 | Baccalaureate Admissions Review Team, Member |
| 2011–2012 | Scholarship Committee, Member |

## TEACHING

### Instructional Activities

*Course Instruction*
*The University of Iowa*

| Fall 2020, 2021 | NURS 5009, Evaluating Evidence for Practice<br>Primary Instructor, Semester Hours 3, Required Course, (N=25-26) |
| Fall 2019-2022 | NURS 6828, Doctor of Nursing Practice Course Series, Course Faculty (N=1) |

*The University of Illinois at Chicago*

| Summer 2019 | BHIS 534, Patient Safety and Health Information Technologies<br>Primary Instructor, Semester Hours 3, Required Course, (n=32) |
| Spring 2019 | BHIS 595 Health Informatics Grant Writing Seminar<br>Primary Instructor, Semester Hours 2, Required Course (n=1) |
| | BHIS 593 Health Informatics Capstone<br>Primary Instructor, Semester Hours 1, Required Course (n=2) |
| Fall 2018 | BHIS 531 Health Information Technology in Collaborative Practice<br>Team Taught, Course Director, Semester Hours 3, Required Course, (n=2) |
| Summer 2018 | BHIS 534 Health Information Technology and Patient Safety |

Team Taught, Semester Hours 3, Required Course, (n=35)

| | |
|---|---|
| Fall 2017 | NURS 518 Quality, Safety and Health Information Technologies<br>Team Taught, Course Director, Semester Hours 3, Required Course, (n=150) |
| Fall 2016 | NURS 566 Developing Literature Reviews<br>Team Taught, Semester Hours 2, Required Course, (n=14) |
| | NURS 518 Quality, Safety and Health Information Technologies<br>Team Taught, Course Director, Semester Hours 3, Required Course, (n=148) |
| Spring 2016 | NURS 518 Quality, Safety and Health Information Technologies<br>Team Taught, Course Director, Semester Hours 3, Required Course, (n=92) |
| | NUPR 593 Advanced Research Practicum<br>Primary Instructor, Semester Hours 3, Elective Course, (n=1) |
| Fall 2015 | NURS 518 Quality, Safety and Health Information Technologies<br>Team Taught, Course Director, Semester Hours 3, Required Course, (n=130) |
| Spring 2015 | NURS 518 Quality, Safety and Health Information Technologies<br>Team Taught, Course Director, Semester Hours 3, Required Course (n=50) |
| | NUPR 593 Advanced Research Practicum<br>Primary Instructor, Semester Hours 3, Elective Course, (n=1) |
| Fall 2014 | NURS 518 Quality, Safety and Health Information Technologies<br>Team Taught, Course Director, Semester Hours 3, Required Course, (n=54) |
| | NUEL 596 Graduate Independent Study<br>Primary Instructor, Semester Hours 3, Elective Course, (n=1) |
| Fall 2013 | NURS 550 Evidence Based Practice<br>Primary Instructor, Semester Hours 3, Required Course, (n=17) |
| | NUSP 596 Independent Study<br>Primary Instructor, Semester Hours 2, Elective Course, (n=1) |
| Spring 2013 | NURS 526 Nursing Inquiry I<br>Primary Instructor, Semester Hours 2, Required Course, (n=19) |
| Fall 2012 | NURS 526 Nursing Inquiry I<br>Primary Instructor, Semester Hours 2, Required Course, (n=18) |
| Fall 2011 | NURS 550 Evidence Based Practice<br>Team Taught, Semester Hours 3, Required Course, (n=19) |

<u>*Guest Lectures*</u>

*The University of Iowa*

Fall 2018              *If you Build It, Will They Come? Improving outcomes across the care Spectrum through Team Science*

*Other Universities/Colleges*

Fall 2017/2018        *Writing the Results Section in Structured Reviews*
Developing Literature Reviews
The University of Illinois at Chicago, College of Nursing

Fall 2016             *Education and Research Interventions using Websites and Apps: If you Build It Will They Come?*
Research Seminar
The University of Illinois at Chicago, College of Nursing

Fall 2015             *Nursing Informatics 101: What is it and why should I care?*
Concepts and Processes in Professional Nursing
University of Illinois at Chicago, College of Nursing

Fall/Spring 2012/2013 *Human Factors Methods Applied to Communication Technology*
Patient Safety Leadership Program
University of Illinois at Chicago, College of Medicine

Spring 2012          *Benefits and Unintended Consequences of Communication Technology between Nurses and Physicians*
Biomedical and Health Informatics Colloquium
University of Illinois at Chicago

Spring 2012          *Nursing Informatics at UIC*
Nursing Leadership
University of Illinois at Chicago, College of Nursing

Spring 2011          *Human Factors in Interdisciplinary Communication Technologies*
Seminar in Human Factors in Healthcare
University of Illinois at Urbana-Champaign, College of Engineering

Spring 2010          *Nurse Physician Communication in Hospitals*
Health Communication
University of Illinois at Chicago, College of Liberal Arts and Science

<u>*Course Development*</u>

Fall 2019            Course Revision Consultation: Evaluating Evidence for Practice
Core Course: DNP program

Fall 2019            Course Revision Consultation: Quality and Safety
Core Course: DNP program

Fall 2016            Course Development Team Member: Data Driven Health Care Improvement
Core Course: DNP program

Spring 2015          Course Development Team Member: Leadership, Policy, and Interprofessional Collaboration: Effecting Change in Complex Health Systems
Core Course: DNP program

| | |
|---|---|
| Fall 2014 | Course Development Team Member: Nursing Information Systems and Technology: Supporting care and generating evidence<br>Core Course: DNP program |
| Spring 2014 | Course Development Lead: Quality, Safety and Health Information Technologies. Developed innovative online course using Team-Based Learning<br>Core Course: DNP program |
| Summer 2013 | Major Course Change: Adapted Evidence Based Practice from on-line to blended course. Developed new content for evidence-based nursing administration practice unit.<br>Core Course: MSN program |

## Mentoring and Advisement

*Mentoring*

*Alliance for Nursing Informatics Emerging Leaders Program*

| | |
|---|---|
| 1/2020–12/2021 | Young Ji Lee, *Use of Patient-Generated Health Data for Ovarian Cancer Symptom Management and Policy Implementation*, Role: Co-Mentor |

*Junior Faculty*

| | |
|---|---|
| 2021-present | Natany DaCosta Ferreria Oberfrank, PhD, RN, Primary Mentor |
| 2020-present | Sena Chae, PhD, RN,  Role: Primary Mentor |
| 2019-present | Anna Krupp, PhD, RN, Role: Primary Mentor |

External Junior Faculty

| | |
|---|---|
| 2022-present | Ginger Schroers, PhD, RNC-MNN, CNE, Loyola University, Role: Co-Mentor |
| 2023-present | Elizabeth Umberfield, PhD, RN, Mayo Clinic, Role Co-Mentor |

*Post-Doctoral Research Associates*

| | |
|---|---|
| 11/2020–present | Natany Da Costa Ferreria, *Application of Nursing Outcome Classification to Heart Failure Self-Management*, Role: Primary Mentor |
| 10/2015–9/2016 | Vanessa E. Sousa, *Usability Testing of a Nursing Diagnosis Software (Funded by the Brazilian National Council for Scientific and Technological Development)*, Role: Primary Mentor |

*Visiting Scholars*

| | |
|---|---|
| 1/2022-present | Raisa Camilo Ferreira, Role Co-Mentor |
| 9/2015–12/2015 | Bomi Huh, *Theory Driven Research*, Role: Mentor |
| 10/2011–10/2012 | Sevinc Tastan, *Nursing Informatics*, Role: Co-Mentor |

*Advisement*

*Student Advisement*

| | |
|---|---|
| 2011–present | PhD, 4 students<br>DNP, 2 students<br>MSN, 5 students |

*PhD Preliminary Examination Committee*

| 2020 | Co-Mentor, Haleh Vatani |
|------|-------------------------|
| 2019 | Member,  Daniel Fraczkowski |
| 2019 | Member, Catherine Schwartz |
| 2017 | Chair Jeffrey Matson, |
| 2015 | Chair, Eve Martinez Soto |
| 2013 | Member. Janet Stifter |

*MSN Project Committee Member*

| 2013 | Lisa Young, *Cost-Benefit Analysis of Nursing Documentation Systems and HANDS* |
|------|-------------------------|
| 2012 | Meghan Kennedy, *Examination of Novice and Expert Nurse Preferences for Clinical Decision Support Features* |
| 2011 | Jody Wendt, *The Inclusions of Appropriate Nursing Care Data in Health Information Exchanges* |

*DNP Project Committee Member*

| 2016-2017 | Ariani Pertiwi, *Translating Human Computer Interaction Evidence to Improve Sepsis Alert Systems* |
|-----------|-------------------------|
| 2015 | Amy Melvin, *A Clinical Algorithm for Diagnosing Latent TB in Healthy Adults Previously Vaccinated with Bacille Calmette-Guerin* |
| 2012 | Linda Fahey, *Expanding Potential of Radio-frequency Nurse Call systems to Measure Nursing Time in Patient Rooms* |

*PhD Dissertation Committee Member*

| 2021- present | Daniel Fraczkowski |
|---------------|-------------------------|
| 2019–2022 | Catherine Schwartz, |
| 2017 | Jeffrey Matson, *Using Multi-Media Theory to Design Nursing Handoffs: A Randomized Controlled Trial*, Role: Committee Member |
| 2015–present | Eve Martinez Soto, *Decision Making Strategies and Patterns of Novice and Expert Nurses and the Impact on Patient Outcomes*, Role: Committee Member |
| 2015–2017 | Seung Un Lee, *Effects of Individual Nurse and Hospital Characteristics on Patient Adverse Events and Quality of Care*, Role: Committee Member |
| 2013 | Janet Stifter, *Using an Electronic Health Record to Examine Nurse Continuity and Pressure Ulcers*, Role: Committee Member |