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Assistant Professor

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EDUCATION

Year	Degree	Institution/Location
2019	Post-doctoral fellowship. Center for Health Outcomes and Policy Research (Aiken, T32NR007104).	University of Pennsylvania, Philadelphia, PA.
2019	Post-doctoral fellowship. National Clinician Scholars Program.	University of Pennsylvania, Philadelphia, PA.
2019	Master of Science in Health Policy (MSHP)	University of Pennsylvania, Philadelphia, PA.
2017	Doctor of Philosophy Dissertation: <i>Understanding ICU Nurse Decision-Making About Patient Early Mobility</i> Minor: Distributed minor in human factors engineering	University of Wisconsin-Madison, Madison, WI
2006	Master of Science (Clinical Nurse Specialist)	University of Wisconsin-Madison, Madison, WI
2002	Bachelor of Science in Nursing	University of Wisconsin-Eau Claire, Eau Claire, WI

PROFESSIONAL LICENSURE AND CERTIFICATIONS

Licenses

2019-	Iowa Board of Nursing, #155397, Registered Nurse
2017-2019	Pennsylvania Board of Nursing, Registered Nurse, expired
2003-2020	Wisconsin Board of Nursing, Registered Nurse, expired

Certifications

2007-2025	Certified clinical nurse specialist in critical care (CCNS)
2006-	Certified registered nurse in critical care (CCRN)

PROFESSIONAL EXPERIENCE

Academic Appointments

2019-present Assistant Professor. University of Iowa College of Nursing, Iowa City, IA.

Research Appointments

2013-2017	Research Assistant, School of Nursing, University of Wisconsin-Madison.
2015-2016	Pre-doctoral Trainee. Geriatric Research Education and Clinical Center (GRECC), William S. Middleton VA Hospital, Madison, WI.

Clinical Appointments

2006-2017	Clinical Nurse Specialist, Trauma & Life Support Center, UW Health University Hospital, Madison, WI.
2003-2006	Nurse Clinician, Trauma & Life Support Center, UW Health University Hospital, Madison, WI.
2003-2006	Registered Nurse, per-diem, intensive care unit and emergency, Stoughton Hospital, Stoughton, WI.

HONORS AND AWARDS

2023	Teaching Excellence Award, Tenure Track. University of Iowa College of Nursing Internal Teaching Awards.
2022	Research and Clinical Partnership Award 2021-2022. Co-awardee: Heather Dunn, PhD, ACNP-BC, ARNP, University of Iowa College of Nursing
2021	Old Gold Summer Fellowship, University of Iowa Office of the Provost
2021	New Investigator Award, Acute and Critical Care Across the Lifespan Research & Implementation Interest Group (RIIG), Midwest Nursing Research Society
2019	Abstract Scholarship, Nursing Assembly, American Thoracic Society
2018	Abstract Scholarship, Nursing Assembly, American Thoracic Society
2016	Eckburg Dissertation Research Award, University of Wisconsin-Madison School of Nursing
2002	Undergraduate Nursing Honors, University of Wisconsin-Eau Claire

SCHOLARSHIP

Research Interests

- Improving long-term functional outcomes among ICU survivors
- Supporting nurse decision-making using nursing informatics
- Developing and testing implementation science strategies for acute and critical care settings

PUBLICATIONS

Key: * = data-based; **bold** = my authorship; underlined = mentored student/trainee; ~ = senior author

Peer Reviewed Papers

1. **Krupp, A.**, Dunn, H., Knake, L., Ten Eyck, P., Frey-Law, L., Dunn Lopez, K. (In press). Aggregating patient safety and status information in the electronic health record to support time-sensitive mobility interventions in the ICU (ASSIST-ICU): Protocol for the design and testing of a clinical decision support tool. *JMIR Research Protocols*.
2. *Strayer, A., Bjornson, S., Werner, N., ~**Krupp, A.** (In press). Factors influencing patient work to recover after spine surgery: a patient-centered systems approach. *Journal of Neuroscience Nursing*.
3. *Carayannopoulous, K.L., Chaudhuri, D., McNett, M., Balas, M.C., Kho, M.E., Stollings, J., Young, B., **Krupp, A.**, Kim, A.J., Chowdhury, S.R., Chen, J.Z., Harris, P., Kim, S., Manalo, J., Kocaqi, E., Dearness, K., Aldrich, J.M., Lewis, K. (In press). Effect of enhanced vs usual mobilization activities in critically ill adults: a systematic review and meta-analysis of randomized controlled trials. *Critical Care Medicine*.

4. ***Krupp, A.**, Wang, Y., Wang, C., Mohr, N.M., Frey-Law, L., Rakel, B. (2025). Predicting post-ICU functional impairment during early ICU admission using real-world electronic health record data. *Clinical Nursing Research*. doi: 10.1177/10547738251342845.
5. ***Strayer, A.**, **Bjornson, S.**, Werner, N., ~**Krupp, A.** (2025). A qualitative study of factors that influence older adults' work on the arduous path to spine surgery. *Health Science Reports*, 8(5), e70890. <https://doi.org/10.1002/hsr2.70850>
6. ***Liebzeit, D.**, **Kumar, A.**, Heim, M., Perkhounkova, Y., ~**Krupp, A.** (2025) Sepsis survivors' functional recovery and symptom experience following intensive care unit hospitalization. *Professional Case Management*. DOI: 10.1097/NCM.0000000000000805
7. ***Ferreira, R. C.**, Dunn Lopez, K., Moorhead, S., **Krupp, A.**, Zuchatti, B. V., Carvalho, L. A. C., Botelho, M. T. S. L., & Duran, E. C. M. (2025). Decision trees for managing impaired physical mobility in multiple trauma patients. *Journal of Advanced Nursing*. <https://doi.org/10.1111/jan.17010>
8. ***Krupp, A.**, Potter, K., Wendt, L., Dunn Lopez, K., Dunn, H. (2025). Using electronic health records to classify risk for adverse safety events with ICU patient mobility: a cross-sectional study. *Intensive and Critical Care Nursing*, 86. DOI: 10.1016/j.iccn.2024.103845
9. ***Krupp, A.**, Tan, A., Vasilevskis, E., Mion, L.C., Pun, B.T., **Brockman, A.**, Hetland, B., Ely, E.W., Balas, M.C. (2024). Patient, practice, and organizational factors associated with early mobility performance in critically ill adults: a secondary analysis of a multicenter, nationwide cohort study. *American Journal of Critical Care*, 33(5), 324-333. doi: 10.4037/ajcc2024939
10. *Dunn, H., da Costa Ferreira Oberfrank, N., ~**Krupp, A.** (2024). Pre-implementation of critical care early mobility clinical decision support: A content validation study. *CIN: Computers, Informatics, Nursing*, 42(2), 463-469. doi: 10.1097/CIN.0000000000001121.
11. ***Brockman, A.**, **Krupp, A.**, Bach, C., Mu, J., Vasilevskis, E.E., Tan, A., Mion, L., Balas, M.C. (2023). Clinicians' perceptions on implementation strategies used to facilitate ABCDEF bundle adoption: A multicenter survey. *Heart & Lung*, 62, 108-115. doi: 10.1016/j.hrtlng.2023.06.006
12. ***Potter, K.M.**, Dunn, H., **Krupp, A.**, Mueller, M., Newman, S., Girard, T.D., Miller, S. (2023). Identifying coMorbidity subtypes of patients with acute respiratory failure. *American Journal of Critical Care*, 32(4), 294-301. doi: 10.4037/ajcc2023980.
13. Liebzeit, D., **Krupp, A.**, Bunch, J., Tonelli, S., Griffin, E., McVeigh, S., Chi, N., Jaboob, S., Nakad, L., Buck, H. (2023). Rural age-friendly ecosystems for older adults: an international scoping review with recommendations to support age-friendly communities. *Health Science Reports*, 5(6), e1241. DOI: 10.1002/hsr2.1241
14. ***Krupp, A.**, Steege, L., Lee, J., Dunn Lopez, K., King, B. (2022). Supporting decision-making about patient mobility in the intensive care unit nurse work environment: work domain analysis. *JMIR Nursing*. URL: <https://nursing.jmir.org/2022/1/e41051/> doi: 10.2196/41051
15. Dunn, H., Balas, M.C., Hetland, B., ~**Krupp, A.** (2022). Post-intensive care syndrome: A review for the outpatient primary care nurse practitioner. *The Nurse Practitioner*, 47(11), 15-22. doi: 10.1097/01.NPR.0000884864.28090.c9
16. ***Krupp, A.**, Lasater, K., McHugh, M.D. (2021). Intensive care utilization following major surgery and the nurse work environment. *AACN Advanced Critical Care*, 32(4), 381-390.
17. ***Krupp, A.**, DiMartino, M., Chung, W., Chaiyachati, K., Agarwal, A.K., Hufferberger, A.M., Laudanski, K. (2021). Communication and role clarity inform TeleICU use: a qualitative analysis of opportunities and barriers in an established program using AACN framework. *BMC Health Services Research*, 21(1), 277. doi: 10.1186/s12913-021-06287-6

18. Mark, A., Crumley, J., Rudolph, K., Doerschug, K., ~**Krupp, A.** (2020). Maintaining mobilization in a patient who is pregnant and has COVID-19 requiring ECMO: a case report. *Physical Therapy*, 101(1). doi.org/10.1093/ptj/pzaa189
19. ***Krupp, A.**, Ehelnbach, W., King, B. (2019). Factors nurses in the intensive care unit consider when making decisions about patient mobility. *American Journal of Critical Care*, 28(4), 281-289.
20. *Heim, M., Draheim, R., **Krupp, A.**, Breihan, P., O'Rourke, A., Wells, J., Fish, J. (2019). Evaluation of a multidisciplinary pain, agitation, and delirium guideline in mechanically ventilated critically ill adults. *Hospital Pharmacy*, 54(2), 119-124. doi: 10.1177/0018578718769570
21. **Krupp, A.**, Steege, L., King, B. (2018). A systematic review evaluating the role of nurses and processes for delivering early mobility interventions in the intensive care unit. *Intensive and Critical Care Nursing*, 47, 30-38.
22. *King, B.J., Pecanac K., **Krupp, A.**, Liebzeit, D., Mahoney, JE. (2018). Impact of fall prevention on nurses and care for fall risk patients. *Gerontologist*, 58(2), 331-340. doi.org/10.1093/geront/gnw156
23. Mørk A., **Krupp A.**, Hankwitz J., Malec A. (2017). Using Kotter's change framework to implement and sustain multiple complementary ICU initiatives. *J Nursing Care Quality*, 33(1), 38-45. doi.org/10.1097/NCQ.0000000000000263
24. *Braus, N., Campbell, T.C., Kwekkeboom, K.L., Ferguson, S., Harvey, C., **Krupp, A.**, Lohmeier, T., Repplinger, M.D., Westergaard, R.P., Jacobs, E.A. Roberts, K.F., Ehlenbach, W.J. (2016). Prospective study of a proactive palliative care rounding intervention in a medical ICU. *Intensive Care Medicine*, 42(1), 54-62. doi.org/10.1007/s00134-015-4098-1
25. **Krupp, A.**, & Balas, M. C. (2016). Application of clinical practice guidelines for pain, agitation, and delirium. *Critical Care Nursing Clinics of North America*, 28(2), 241-252. PMID: 27215361.
26. Jacobson, N., **Krupp, A.**, Bowers, BJ. (2016). Planning for ancillary care provision: Lessons from the developing world. *Journal of Empirical Research on Human Research Ethics*, 11(2), 129-34. PMID: 26994734
27. *Bowers, B.J., Jacobson, N., **Krupp, A.** (2016). Can lay community advisors improve the clarity of research participant recruitment materials and increase the likelihood of participation? *Research in Nursing and Health*. DOI: 10.1002/nur.21752.
28. **Krupp, A.**, Monfre, J. (2015). Pressure ulcers in the ICU patient: An update on prevention and treatment. *Current Infectious Disease Reports*, 17(3). PMID: 25821191.
29. O'Horo, J.C., Maki, D., **Krupp, A.**, Safdar, N. (2014). Arterial catheters as a source of bloodstream infection: a systematic review and meta-analysis. *Critical Care Medicine*, 42(6), 1334-1339. PMID: 24413576.
30. Abad, C.L., Pulia, M.S., **Krupp, A.**, & Safdar, N. (2014). Reducing transmission of methicillin-resistant staphylococcus aureus and vancomycin-resistant enterococcus in the ICU—an update on prevention and infection control practices. *Journal of Clinical Outcomes Management*, 21(5), 218-232.
31. **Krupp, A.**, Anderson, B., (2014). Standardized use of safe patient handling equipment in the ICU: A unit-based quality improvement project. *Journal of Safe Patient Handling and Movement*, 4, 122-128.

Peer Reviewed Papers, Under Review

1. Vasilevskis, E., Kim, J., Wichman, C., Horner, R., Campbell, J. R., Geary, C., Birge, J., Hetland, B., Blanchard, A., Circo, K., Wagner-Connolly, A., Miller, J., Exline, M. C., Gerlach, A. T., **Krupp, A.**, Blum, J., Balas, M. (under review). Behavioral economic and staffing strategies to increase

adoption of the ABCDEF bundle in the intensive care unit (BEST ICU): Study protocol for a stepped wedge cluster randomized controlled trial. *Trials*.

Evidence-based Guidelines

1. Lewis, K., Balas, M.C., Stollings, J.L., McNett, M., Girard, T.D., Chanques, G., Kho, M.E., Pandharipande, P.P., Weinhouse, G.L., Brummel, N.E., Chlan, L.L., Cordoza, M., Duby, J.J., Gélinas, C., Hall-Melnychuk, E.L., **Krupp, A.**, Louzon, P.R., Tate, J.A., Young, B., Jennings, R., Hines, A., Ross, C., Carayannopoulos, K.L., Aldrich, J.M. (2025). A focused update to the clinical practice guideline for the prevention and management of pain, anxiety/sedation, delirium, immobility, and sleep disruption in adult patients in the ICU. *Critical Care Medicine*, 53(3):e711-e727. <https://doi.org/10.1097/CCM.0000000000006574>
2. Lewis, K., Balas, M. C., Stollings, J. L., McNett, M., Girard, T. D., Chanques, G., Kho, M. E., Pandharipande, P. P., Weinhouse, G. L., Brummel, N. E., Chlan, L. L., Cordoza, M., Duby, J. J., Gélinas, C., Hall-Melnychuk, E. L., **Krupp, A.**, Louzon, P. R., Tate, J. A., Young, B., Jennings, R., Hines, A., Ross, C., Carayannopoulos, K.L., Aldrich, J. M. (2025). Executive summary of a focused update to the clinical practice guidelines for the prevention and management of pain, anxiety, agitation/sedation, delirium, immobility, and sleep disruption in adult patients in the ICU. *Critical Care Medicine*, 53(3), e701–e710. <https://doi.org/10.1097/CCM.0000000000006573>

Editorials, Invited

1. **Krupp, A.**, Balas, M.C. (2023). Prone positioning in the context of COVID:19: opportunities for implementation science. *Chest Critical Care*, 1(3), 1-3.

Other, Editor-Reviewed Papers

1. **Krupp, A.**, Dunn Lopez, K. (2023). Leveraging implementation science with decision support technology to drive meaningful change for nurses and nursing leadership. *Nurse Leader*, 21(6), 636-640.
2. Lor M., Bowers B., **Krupp A.**, Jacobson N. (2017). Tailored explanation: A strategy to minimize nonresponse in demographic items among low-income racial and ethnic minorities. *Survey Practice*, 10(3).

Book Chapters

1. Bosworth H, Check D, **Krupp A**, Gerlach A, Burgess D. "Section 3: Incorporating Implementation Research into PCTs" In: *Rethinking Clinical Trials: A Living Textbook of Pragmatic Clinical Trials*. Bethesda, MD: NIH Pragmatic Trials Collaboratory. Updated July 9, 2025. DOI: 10.28929/072.

Blog Posts

1. **Krupp, A.** (2025, September 29). Key takeaways from the 2025 focused update to the PADIS guidelines: updates, evidence gaps and implementation. *American Association of Critical Care Nurses*. <https://www.aacn.org/blog/key-takeaways-2025-update-padis-guidelines>

GRANTS

Intramural Research Grants (funded)

- 2025-2026 *Optimal Aging in Iowa Across the Critical Care Continuum Collaboratory*. PI: **Krupp, A.** Co-I: Dunn, H., Bunch, J., Mohr, N., Blum, J. University of Iowa College of Nursing Csomay Center, Optimal Aging Initiative. \$25,000.
- 2021-2022 *Mobility, Symptom Experience, and Post-Hospitalization Outcomes Among Sepsis Survivors*. MPI: **Krupp, A.**, Liebszeit, D. Co-I: Perkhounkova, E. University of Iowa College of Nursing Jo Ellen Ross Research Fund. \$10,000.

- 2020-2021 *Investment in Strategic Priorities Bridge Funding.* University of Iowa Office of the Executive Vice President and Provost. \$10,000.
- 2020-2021 *A Data-Driven Approach to Classify Safety Criteria for Mobility Readiness.* PI: **Krupp, A.** Co-I: Dunn, H., Greiner, J., Perkhounkova, E., Dunn Lopez, K. University of Iowa College of Nursing Jo Ellen Ross Research Fund. \$10,000.

Extramural Research Grants (funded)

- 2024-2026 Creating AI-Enabled All-Health Team Data. (MPI: Boyd, Dunn Lopez, Craven). ARPA-H. U.S. Department of Interior, Interior Business Center (DOI/IBC) under grant number D24AC00413-00. Role: Co-investigator (25% effort). \$9,671,921
- 2024-2026 Integrating Clinical Informatics and Implementation Science to Advance Evidence-Based ICU Care Delivery. (Krupp, PI). NIH Loan Repayment Program, National Heart, Lung, and Blood Institute (NHLBI) under grant number L 70 HL175865. Role: Awardee. \$22,000.
- 2024- 2029 Improving Identification and Coordination of Mobility Interventions in the ICU Using Clinical Decision Support. Agency for Health Care Research and Quality (AHRQ) under grant number R21 HS029959. Role: MPI (10-15% effort). \$1,024,999
- 2024- 2025 VA Office of Rural Health and QUERI Partnered Evaluation Center: Implementation, Sustainment, and Spread of Effective Programs to Improve the Health and Well-Being of Rural Veterans. (Reisinger, PI). VA Office of Research and Development, Health Services R&D under grant number 1 I50 HX003145-01A2. Role: Co-investigator (15-20% effort). \$99,100
- 2023-2028 Behavioral Economic and Staffing Strategies to Increase Adoption of the ABCEDF Bundle in the ICU (BEST-ICU). (Balas, Vasilevskis, MPis). National Heart, Lung, and Blood Institute (NHLBI) and National Institute of Nursing Research (NINR) under grant number 1 UH3 HL16740-01A1. Role: Site PI (10-20% effort). \$6,594,013
- 2020-2022 Center for Advancing Multimorbidity Science: Profiling Risk and Symptom Expression to Develop Customized Therapies for Adults with Multiple Chronic Conditions (CAMS). (Rakel, Gardner, MPis). NINR under grant number P20 NR018081. Pilot Title: Functional Decline and Symptom Experience Among Patients with Sepsis. Role: Pilot-PI. \$80,000.

Training Grants

Extramural Training Grant (funded)

- 2017-2019 *Advanced Training in Nursing Outcomes Research.* (PI: Aiken, L). National Institute of Nursing Research (NINR) under grant number T32NR007104. Role: Postdoctoral Trainee.

PRESENTATIONS

Research and Clinical Presentations

International

1. ***Krupp, A.**, Dunn, H., Potter, K., Wendt, L., Dunn Lopez, K. (2024, May). Guideline-driven early mobility decisions: A retrospective EHR-based analysis. American Thoracic Society International Conference. San Diego, CA. [Peer-reviewed, Poster]
2. Tate, J., Miller, S., Morris, J., Lindroth, H., **Krupp, A.** (2024, May). Nursing year in review: Implementation science in pulmonary, critical care, and sleep. [Invited, Moderator].
3. ***Krupp, A.**, Dunn, H., Potter, K., Dunn Lopez, K. (2024, May). Guideline-driven early mobility decisions: A retrospective EHR-based analysis. 14th International Meeting of Physical Medicine & Rehabilitation in the Critically Ill. San Diego, CA. [Peer-reviewed, Podium]

4. *Strayer, A., Bjornson, S., Werner, N., **Krupp, A.** (2024, January). Barriers and facilitators to the patient work of getting to spine surgery. 2024 International Neuroscience Nursing Research Symposium. [Peer-reviewed, Poster]
5. *Potter, K., Dunn, H., **Krupp, A.**, Mueller, M., Newman, S., Girard, T.D., Miller, S. (2022, May). *Discharge destination among latent subgroups of acute respiratory failure survivors*. American Thoracic Society International Conference. San Francisco, CA. [Peer-reviewed, Podium]
6. *Dunn, H., **Krupp, A.**, Steffen, A., Kapella, M.C. (2022, May). *Prediction of weaning from prolonged mechanical ventilation at a long-term acute care hospital: A comparison of machine learning algorithms*. American Thoracic Society Virtual International Conference. [Peer-reviewed, Poster]
7. ***Krupp, A.**, Lasater, K., McHugh, M. (2019, May). *Effect of nursing organizational factors on ICU utilization among medical and surgical patients*. American Thoracic Society International Conference. Dallas, TX. [Peer-reviewed, Poster]
8. **Krupp, A.**, Ehlenbach, W, King, B. (2018, May). *Using cognitive work analysis to understand ICU nurse decision-making about patient mobility*. American Thoracic Society International Conference. San Diego, CA. [Peer-reviewed, Poster]
9. **Krupp, A.**, King, B, Steege, L, Royer, H. (2017, March). *Application of cognitive work analysis to promote mobility as an ICU quality improvement project*. Human Factors and Ergonomics in Health Care. New Orleans, LA. [Peer-reviewed, Poster]
10. *Steege, L., King, B., Pinekenstein, B., **Krupp, A.**, Pecanac, K., Wang, H., Kuo, F., Koju, K. (2015, April). *Design, implementation, and evaluation of a system-based intervention: Steps Towards Reducing Hospital Induced Disability in Elderly – STRIDE*. HFES. 2015 International Symposium on Human Factors and Ergonomics in Health Care: Improving the Outcomes. Baltimore, MD. [Peer-reviewed, Poster]
11. **Krupp, A.**, Fish, J., Breihan, P., Wells, J. O'Rourke, A., Heim, M. (2014). *Multidisciplinary approach to implement and sustain a pain, agitation, and delirium guideline*. Critical Care Congress of the Society of Critical Care Medicine. San Francisco, CA. [Peer-reviewed, Poster]

National

1. Balas, M.C, Vasilevskis, E., Wagner, A., Campbell, J., Geary, C., Hetland, B., Blanchard, A., Circo, K., Liston, D., Miller, J., Hepburn, K., Kupzyk, K., Wichman, C., Horner, R., Kim, J., **Krupp, A.**, Blum, J., Exline, M., Gerlach, A. (February, 2025). Behavioral Economic and Staffing Strategies to Increase Adoption of the ABCDEF Bundle in the Intensive Care Unit (BEST ICU): Protocol, Challenges, and Major Updates. NIH Pragmatic Trials Collaboratory Grand Rounds Rethinking Clinical Trials. [Invited, Virtual]
2. **Krupp, A.**, Hetland, B., Gerlach, A., Blum, J., Exline, M., Kim, J.Y., Horner, R., Wichman, C., Campbell, J., Circo, K., Vasilevskis, E., Balas, M. (2024, December). *Engaging stakeholders to proactively optimize implementation: the BEST-ICU nurse facilitator implementation strategy*, Poster Presentation. 17th Annual Conference on the Science of Dissemination and Implementation in Health, Arlington, VA. [Peer-reviewed, Poster]
3. Strayer, A.L., Bjornson, S., Werner, N.E., **Krupp, A.** (2024, March). *Barriers and Facilitators to the Patient Work of Getting to Spine Surgery*. American Association of Neuroscience Nurses Annual Meeting, Salt Lake City, UT, USA. [Peer-reviewed, Poster]
4. **Krupp, A.**, Dunn, H., Kia, N., Dunn Lopez, K. (2023, November). *User-centered design workshop to develop clinical decision support tools for patient mobility in the ICU*. AMIA Annual Symposium. New Orleans, LA. [Peer-reviewed, Poster]

5. Resinger, H., Goedken, C., **Krupp, A.**, Greiner, J. (2022, April). *Implementation science: EBP application*. National Evidence-Based Practice Conference. Virtual. [Invited, Podium]
6. ***Krupp, A.**, Dunn, H., Potter, K. (2021, November). *Comparing an electronic mobility safety screen prototype and nurse readiness mobility assessment to activity levels in ICU patients requiring mechanical ventilation*. Johns Hopkins Critical Care Rehabilitation Virtual Conference. [Peer-reviewed, Poster]
7. *Potter, K., Dunn, H., Mueller, M., **Krupp, A.**, Newman, S., & Miller, S. (2021, November). *The IMPAiR (Identifying coMorbidity subgroups of Patients with Acute Respiratory failure) Study: Risk stratification of physical disability post-intensive care*. Johns Hopkins Critical Care Rehabilitation Virtual Conference. [Peer-reviewed, Poster]
8. **Krupp, A.**, Greiner, J. (2021). *Mapping guidelines to EHR data: Developing decision support about safety for ICU patient mobility*. National Evidence-Based Practice Conference. Virtual. [Peer-reviewed, Podium]
9. **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*. AMIA Annual Symposium. Chicago, IL. Virtual. [Peer-reviewed, Poster]
10. **Krupp, A.** (2020, September). *Research in progress: Predicting functional decline and developing clinical decision support*. Sarah Collins Rosetti Research Lab. Columbia University School of Nursing, New York, NY. [Invited, Presentation].
11. ***Krupp, A.**, Lasater, K., McHugh, M. (2019). *Hospital nursing linked to reductions in intensive care utilization following major surgery*. Academy Health Research Meeting. Washington D.C. [Peer-reviewed, Poster]
12. ***Krupp, A.** (2018). *ICU utilization and nursing characteristics*. National Clinician Scholars Program Annual Meeting. Los Angeles, CA. [Invited, Podium].
13. **Krupp, A.**, Anderson, B. (2015, April). *Improving use of safe patient handling equipment in the ICU*. 21st National Evidence-Based Practice Conference, Coralville, IA. [Peer-reviewed, Podium]
14. ***Krupp, A.**, Steege, L, King, B, Pinekenstein, B, Pecanac, K, Wang, H, Kuo, F, Dryska, J, Koju, K, Tourbier, E. (2015, July). *Design, implementation, and evaluation of a system-based intervention: Steps Towards Reducing Hospital-Induced Disability in Elderly – STRIDE*. Systems Engineering Initiative for Patient Safety (SEIPS) Short Course, Madison, WI. [Peer-reviewed, Poster]
15. **Krupp, A.**, Maruna, C., Poirier, N., Ehlenbach, W. J. (2014). *Improving interdisciplinary collaboration to increase activity in a medical-surgical ICU*. Johns Hopkins Critical Care Rehabilitation Conference. Baltimore, MD. [Peer-reviewed, Poster]
16. **Krupp, A.**, King, B., Gretebeck, K. (2014). *Factors associated with early ambulation in the ICU: A systematic review of the literature*. Johns Hopkins Critical Care Rehabilitation Conference. Baltimore, MD. [Peer-reviewed, Poster]
17. **Krupp, A.**, VanDenBergh, S. (2013). *To the bedside: CNS collaboration to support and sustain bedside handoff report*. National Association of Clinical Nurse Specialists. San Antonio, TX. [Peer-reviewed, Poster]
18. **Krupp, A.** (2010). *Blogging: the next generation journal club*. American Association of Critical Care Nurses National Teaching Institute. Washington, DC. [Peer-reviewed, Podium]
19. **Krupp, A.** (2008). *Pressure ulcer prevention in the ICU: CNS impact on changing unit culture*. National Association of Clinical Nurse Specialists Conference. St. Louis, MO. [Peer-reviewed, Podium]

20. **Krupp, A.**, Boyer, C., Jacobs, L., Mørk, A. (2007). *Increasing CCRN certification to provide a beacon for our future*. American Association of Critical Care Nurses National Teaching Institute. Atlanta, GA. [Peer-reviewed, Poster]

State/Regional

1. **Krupp, A.**, Wang, Y., Rakel, B. (2025, March). Predicting post-ICU functional impairment during early ICU admission. MNRS Research Conference, Indianapolis, IN. [Peer-reviewed, Podium]
2. Osten, J., Bae, J., **Krupp, A.** (2025, March). Workload intensity variation across ICU clinician roles and unit types. MNRS Research Conference, Indianapolis, IN. [Peer-reviewed, Poster]
3. Dunn, H., **Krupp, A.**, Wolf, J., Kuyoro, A., Shanahan, A. Dunn Lopez, K. (2025, March). Coding experience not required: novel nurse-driven electronic health records clinical decision support prototype development. MNRS Research Conference, Indianapolis, IN. [Peer-reviewed, Poster]
4. **Krupp, A.** (2024, March). Opportunities to Use Data to Decrease Functional Decline in the ICU. University of Iowa Health Care Nursing Research & Evidence-Based Practice Grand Rounds. [Invited, Podium]
5. **Krupp, A.** (2023, November). BEST-ICU Pragmatic Trial: Work in Progress. ICTS Implementation Science Journal Club. Iowa City, IA. [Invited, Journal Club]
6. **Krupp, A.** (2023, September). Mapping Guidelines to EHR Data: Pilot Study Update. University of Iowa Hospitals & Clinics Nursing Research and Evidence-Based Practice Council. Iowa City, IA. [Invited, Podium]
7. Bae, J., Kia, N., **Krupp, A.** (2023, March). Symptom experience among patients with sepsis: feasibility and lessons learned. MNRS Research Conference. Des Moines, IA. [Peer-reviewed, Poster]
8. Volk, M., **Krupp, A.** (2021). *Developing an EHR-based phenotype for ICU patients at risk for functional decline*. MRNS Research Conference. Virtual. [Peer-reviewed, Poster]
9. **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, Poster]
10. **Krupp, A.** (2020, March). *A Data-driven approach to classify safety criteria for ICU patient mobility readiness*. Nursing Research & Evidence-Based Practice Grand Rounds. University of Iowa Hospital and Clinics, Iowa City, IA. [Invited, Podium, cancelled due to COVID 19].
11. **Krupp, A.** (2017, November). *RN decision making and ICU Mobility*. Nursing Grand Rounds. William S. Middleton VA Hospital, Madison, WI. [Invited, Podium]
12. **Krupp, A.** (2016, May). *Awake, alert, and intubated, now what? Opportunities for early mobility and patient communication in the ICU*. Updates in Allergy, Pulmonary and Critical Care, Madison, WI. [Invited, Podium]
13. **Krupp, A.** (2015, May). *Knowing your ABCDE bundle alphabet: Improving care for mechanically ventilated patients*. Updates in Allergy, Pulmonary and Critical Care, Madison, WI. [Invited, Podium]

Workshops

1. Simon, G., Fritz, J., Morone, N., **Krupp, A.**, Tong, S. (2024, July). Engagement as the cornerstone in pragmatic research. NIH Pragmatic Trials Collaboratory 2024 Annual Workshop. Virtual Workshop. [Invited, Panel]
2. Hand, L., **Krupp, A.** (2024, June). Two phase research awards: strategies, pitfalls, and ensuring success. 2024 College of Nursing Grants Workshop. Virtual Workshop. [Invited, Panel]

SERVICE

PEER REVIEW ACTIVITIES

NIH Grant Peer Review

2025 Ad hoc reviewer, Clinical Informatics and Digital Health (CIDH) Study Section, June 12-13

Journal Manuscript Review

2025- Applied Ergonomics
2024- BMC Nursing
2023- BMC Health Services Research
2023- CHEST Critical Care
2023- JMIR Medical Informatics
2022- Research in Nursing and Health
2022- BMJ Open Quality
2021- Global Qualitative Nursing
2020- Annals of the American Thoracic Society
2020- Intensive and Critical Care Nursing
2017- American Journal of Critical Care
2017- Critical Care Nurse

Conference Abstract Review

2025 AACN National Teaching Institute, Research Abstracts
2024 AMIA Informatics Summit
2023-2025 Critical Care Congress, Society of Critical Care Medicine
2023 AMIA Clinical Informatics Conference
2022 AACN National Teaching Institute, Evidence-based Poster Abstracts
2020 Critical Care Congress, Society of Critical Care Medicine

Peer Review of Teaching or Practice Products and Activities

2019 AACN Audio Recording Pilot Group
2019 AACN Recorded Sessions Review Panel

Review of Nominations for Awards, Honors or Scholarships

2019-2021 AACN NTI Scholarship Review Panel

PROFESSIONAL SERVICE ACTIVITIES

NIH Core Working Group

2024- Member, NIH Pragmatic Trials Collaboratory, Implementation Science Core

Society/Association Membership, Participation, and Leadership

American Association of Critical Care Nurses (AACN)

2003- Member
2014-2015 National Teaching Institute (NTI) Program Planning Committee [National, appointed]
2010-2012 Continuing Education Panel Review Member [National, volunteer]
2009-2010 Advanced Practice Institute (API) Program Planning Committee [National, appointed]
2012-2013 South Central Wisconsin Chapter of AACN, Treasurer [Regional, appointed]
2008-2009 South Central Wisconsin Chapter of AACN, President [Regional, appointed]
2006-2008 South Central Wisconsin Chapter of AACN, Education Committee [Regional, appointed]
2005-2006 South Central Wisconsin Chapter of AACN, Board Member [Regional, appointed]

American Thoracic Society (ATS)

2017-	Member
2024-	Planning Committee Member, Nursing Assembly [National, appointed]
2022-2023	Planning Committee Apprenticeship, Nursing Assembly [National, volunteer]
2020-2021	Nominating Committee, Nursing Assembly [National, volunteer]

Midwest Nursing Research Society (MNRS)

2015-	Member
2025-present	Health Systems, Policy, and Informatics RIIG Past-chair [Regional, appointed]
2024-2025	Health Systems, Policy, and Informatics RIIG Co-chair [Regional, appointed]
2023-2024	Health Systems, Policy, and Informatics RIIG Co-chair-elect [Regional, appointed]
2022-2023	Acute & Critical Care Across the Lifespan RIIG Past-chair [Regional, appointed]
2021-2022	Acute & Critical Care Across the Lifespan RIIG Chair [Regional, appointed]
2020-2021	Acute & Critical Care Across the Lifespan RIIG Chair-elect [Regional, appointed]

Society of Critical Care Medicine (SCCM)

2020-	Member
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American Medical Informatics Association (AMIA)

2020-	Member
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Alliance for Nursing Informatics (ANI)

2024-	Governing Director representing MNRS [National, appointed]
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Advisory Panels

2022-2024	Society of Critical Care Medicine, PADIS Guideline Panel.
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Consultation

2012-2013	Critical Care Advisory Board, Hollister Inc.
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UNIVERSITY SERVICE

Standing Committees, University of Iowa College of Nursing

2024-present	Chair, Health Information Technology Scholarly Interest Group (HIT SIG)
2023-present	Co-director, Young Scientist Program
2023-present	Member, Research Advisory Group
2021-present	Member, Scholarship Committee
2020-present	Member, University of Iowa Nursing Collaborative (UINC) Research Collaborative Leadership Group (CLG)
2020-present	Member, Bio Nursing Informatics (BNI) Consulting Group
2020-2023	Member, BSN Admission Committee

Standing Committees, University of Iowa Health Care, College of Nursing Liaison

2023-present	Member, Evidence-Based Practice Conference Planning Committee
2022-present	Member, Nursing Research and Evidence-Based Practice Committee

TEACHING

Instructional Activities

Course Instruction

Spr 2020 - Present	NURS: 5017 Quality and Safety. Primary Teacher, 21-44 students.
Fall 2022-2023	NURS: 6828 Doctor of Nursing Practice Project III. Grader, 9 students.

Fall 2019 NURS:6802 Nursing and Health Policy, Law, and Advocacy. Team Teacher, 20 students.

Guest Lectures

Spring 2025 NURS: 7006 Theory and Model Development. Models, Frameworks, and Theories in Informatics Research Panel.
 Spring 2024 NURS: 7006 Theory and Model Development. Models, Frameworks, and Theories in Informatics Research Panel.
 Spring 2022 NURS: 7006 Theory and Model Development. Models, Frameworks, and Theories in Informatics Research Panel.

MENTORING AND ADVISEMENT

Mentoring

Predoctoral Mentorship

2024-present Angela Shanahan, Graduate Research Assistant
 2022-2023 Nikta Kia, Graduate Research Assistant
 2020-2022 Jaewon Bae, Graduate Research Assistant

Postdoctoral Mentorship

2022-2024 Andrea Strayer, PhD, ARNP. Systems-based analysis of patient work during spine surgery and recovers. IOWA Postdoc and VA Quality Scholars Fellow. Current Position: Assistant Professor, Department of Neurosurgery, University of Iowa College of Medicine.

Undergraduate Research Mentorship

2025- Laney Theisen, BSN student. Focus: BEST-ICU study. Undergraduate research assistant.
 2025- Jennifer Davis, Nursing Interest. Focus: BEST-ICU study. Undergraduate research assistant.
 2024- Genevieve Martinez, BSN student. Focus: BEST-ICU study. Undergraduate research assistant.
 2024- Jacob Osten, BSN student. Focus: BEST-ICU study. Undergraduate research assistant, Creason Awardee.
 2024- Lexi Pingel, BSN student. Focus: BEST-ICU study. Undergraduate research assistant.
 2024 Lauren Dudkiewicz, BSN student. Focus: BEST-ICU study. Undergraduate research assistant.
 2023-2024 Lily Worline, BSN student. Focus: Post-ICU follow-up. Undergraduate research assistant.
 2021-2022 Hope Worline, BSN student. Focus: Post-ICU follow-up. Undergraduate research assistant.
 2020 Nguyen Nguyen, BSN student. Focus: Data-driven mobility classification. Undergraduate research assistant.

Advisement

BSN Honors Project

2024 Claire Stephenson, Evaluating the Role of an RN Facilitator in Enhancing ICU Liberation Bundle Implementation in the CVICU. Faculty mentor.
 2020 Madeline Volk, Mapping Frailty Measures in EHR Data. Faculty mentor.

DNP Project Committee

2024	Marissa Amidon, FNP Track, DNP August 2024, <i>Enhancing Advance Care Planning Awareness at a Rural Iowa Family Medicine Clinic</i> , Committee member
2024	Jeff Artioli, CRNA Track, DNP May 2024, <i>Simulated Airway Management for Low Frequency, High Stakes Encounters</i> , Committee member.
2024	Weston Bietz, PMHNP Track, DNP August 2024, <i>Preventative Mental Health Screening in High School: Improving Screening and Access of Mental Health Resources</i> , Committee member.
2024	Molly Brecht, AG-PCNP Track, DNP August 2024, <i>Enhancing Advance Care Planning Awareness at a Rural Iowa Family Medicine Clinic</i> , Committee member.
2024	Alexx DeVore, AG-PCNP/PMHNP Track, DNP August 2024, <i>The Implementation of a Loneliness Screening Tool for Residents in Long-Term Care</i> , Committee member.
2024	Michaela Kennedy, AG-ACNP, DNP August 2024, <i>Implementation and Evaluation of the Wake-up and Breathe Protocol in a Medical Intensive Care Unit</i> , Committee member.
2024	Meghan Kinnetz, FNP Track, DNP August 2024, <i>Enhancing Patient Well-Being: A Mindfulness-Based Quality Improvement Initiative in a Headache Clinic</i> , Committee member.
2024	Alissa Kleywegt, FNP Track, DNP August 2024, <i>Standardizing Patient Portal Communication</i> , Committee member.
2024	Sherry Leitch, FNP Track, DNP August 2024, <i>Adult Obesity: Medical Management for Sustained Weight Reduction</i> , Committee member.
2023	Kathryn Trautman, HS Track, DNP August 2023. <i>An Interdisciplinary Approach to Program Development: Enabling Effective Care for Patient on Anticoagulation Therapy with Suboptimal Vascular Access</i> , Committee member.

Doctoral Preliminary or Comprehensive Examination Committee

2024-	Brittany Sharp, College of Nursing, PhD, ISP Member
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PhD Dissertation Committee

2024	Jaewon Bae, PhD, May 2024, College of Nursing. <i>The role of wound microbiome in acute open wounds</i> . Committee member.
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