

Kirsten Sueppel Hanrahan, DNP, ARNP, CPNP-PC, FAAN

4160 Cumberland Lane
Iowa City, Iowa 52245
(319) 530-1853

kirsten-hanrahan@uiowa.edu
distraction-in-action@uiowa.edu
<https://uihc.org/people/kirsten-hanrahan>

LICENSURE AND CERTIFICATION

- 1996 - present Advanced Registered Nurse Practitioner: Iowa Board of Nursing**
#C-075154 expires 2/28/26
- 1994 - present Certified Pediatric Nurse Practitioner - Primary Care: Pediatric Nursing Certification Board**
#94122 expires 2/28/26
- 1986 - present Registered Nurse: Iowa Board of Nursing**
#075154 expires 2/28/26

EDUCATION

- 2007 - 2010 Doctor of Nursing Practice**, University of Iowa College of Nursing
- 1991 - 1994 Master of Arts**, University of Iowa College of Nursing
- 1981 - 1985 Bachelor of Science in Nursing**, University of Iowa College of Nursing

EXPERIENCE

- 2018 - Director**
Nursing Research and Evidence-Based Practice
Department of Nursing Services and Patient Care
University of Iowa Health Care
- 2017 - 2018 Interim Director**
Nursing Research, Evidence-Based Practice, and Quality
Department of Nursing Services and Patient Care
University of Iowa Hospitals & Clinics
- 2011 - 2017 Associate Research Scientist, Nurse Scientist**
Nursing Research, Evidence-Based Practice, and Quality
Department of Nursing Services and Patient Care
University of Iowa Hospitals & Clinics
- 2007 - 2018 Pediatric Nurse Practitioner, Intensive Care**
Neonatal Intensive Care Unit, Division of Neonatology
Department of Pediatrics
University of Iowa Stead Family Children's Hospital
- 2007 - 2011 Clinical Research Consultant, Program Assistant**
Predicting Children's Response to Distraction from Pain: Tailored Intervention
Funding: National Institutes of Health R01 NR005269-01A2
University of Iowa College of Nursing
- 2002 - 2007 Project Director, Clinical Research Coordinator**

Predicting Children's Response to Distraction from Pain

Funding: National Institutes of Health R01 NR005269-01A2

University of Iowa College of Nursing

- 1996 - 2003 Pediatric Nurse Practitioner**
Neonatal Intensive Care Unit and Intermediate Care Nurseries, Division of Neonatology
Department of Pediatrics
University of Iowa Hospitals & Clinics
- 1996 - 1997 Pediatric Nurse Practitioner**
High Risk Infant Follow-up Program
Department of Pediatrics
University of Iowa Hospital School
- 1992 - 1996 Clinical Nurse Specialist**
Children's and Women's Services
Department of Nursing Services and Patient Care
University of Iowa Hospitals & Clinics
- 1991 - 1992 Nursing Supervisor**
Children's and Women's Services
Department of Nursing Services and Patient Care
University of Iowa Hospitals & Clinics
- 1988 - 1991 Assistant Nurse Manager**
General Pediatric Unit, Children's, and Women's Services
Department of Nursing Services and Patient Care
University of Iowa Hospitals & Clinics
- 1986 - 1988 Staff Nurse**
Infant Unit, Children's, and Women's Services
Department of Nursing Services and Patient Care
University of Iowa Hospitals & Clinics

RESEARCH

- 2024 UI Principal Investigator**
An 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
Principal Investigator: Heather Reisinger, PhD
Funding: VA Health Services R&D (HSRD)
- 2021- Investigator**
Implementation Strategies for Increasing Adoption of A-F Bundle in ICU
Site Principal Investigators: James Blum, MD and Anna Krupp PhD, MSHP, RN
Funding: NIH Health Care Systems Research Collaboratory - Pragmatic and Implementation Trials of Embedded Interventions (UG3/UH3) (RFA-AT-22-001)
- 2021 - 2024 Investigator**
Mobility, Symptom Experience, and Post-Hospitalization Outcomes Among Sepsis Survivors
Principal Investigators: Anna Krupp, PhD, MSHP, RN and Daniel Liebszeit, PhD, RN
Funding: UI College of Nursing, Departmental
- 2020 - 2022 Investigator**

Patient Voices in Hospital Safety

Principal Investigator: Patricia Groves, PhD, RN

Funding: Sigma Theta Tau Gamma Chapter Grant

2020 - 2022

UI Principal Investigator

Magnet Hospital Demonstration in Europe (Magnet4Europe)

Principal Investigators: Linda Aiken, PhD, RN, FAAN, FRCN and Matthew McHugh, PhD, JD, MPH, RN, CRNP, FAAN

Funding: ANCC pay to participate

2020 - 2022

UI Co-Principal Investigator

Using Coworker Observations and Peer Messengers to Promote Professional Accountability for Nurses

Co-Principal Investigator: Stephanie Edmonds PhD, RN, MPH

Funding: University of Iowa Hospitals & Clinics

2020 -

Investigator

Design, Development and Beta Testing of a Web-Based Premature Infant Resuscitation Navigation Application to Inform Mothers' Experience Prior to Resuscitation in the Delivery Room

Principal Investigators: Stephanie Stewart, PhD, RNC-NIC and Tim Elgin, DO

Funding: \$25,000 Savvy Ferentz Fund for Neonatal Research

2020 - 2023

Investigator

Evaluating the EBP Implementation Model

Principal Investigator: Laura Cullen, DNP, RN, FAAN

Funding: University of Iowa Hospitals & Clinics

2019 - 2024

Investigator

Improving Frontline Nursing Engagement in Quality Improvement

Principal Investigators: Dana Tschannen, PhD, RN and Catherine Alexander, DNP, MPH, RN

Site Principal Investigator: Patricia Groves, PhD, RN

Funding: University of Iowa Hospitals & Clinics and University of Iowa College of Nursing

2018 - 2019

Investigator/UI Principal Investigator

National Survey of Neonatal Growth Measurement Practices

Principal Investigator: Jan Foote, DNP, ARNP, CPNP, FAANP

Funding: \$15,000 Pediatric Endocrinology Nursing Society

2017 - 2019

Investigator

Donor Milk vs. Formula for Healthy Newborns

Principal Investigators: Laura Kair, MD and Kelly Wood, MD

Funding: Stead Family Children's Hospital Department of Pediatrics, University of Iowa Hospitals & Clinics

2016 - 2019

Co-Principal Investigator

Evaluation of a New Children's Hospital Environment of Care: Family, Healthcare Staff Member and Quality Outcomes

Co-Principal Investigator: Stephanie Stewart, PhD, RNC-NIC

Funding: \$2,500 University of Iowa Hospitals & Clinics Small Grant; \$2,500 and \$5,000 Sigma Theta Tau Gamma Chapter Award

2014 - 2017

Co-Principal Investigator

Pain In PICU: Retrospective Chart Audits

Co-Principal Investigator: Cynthia LaFond, PhD, RN, CCRN-K

Funding: University of Iowa Hospitals & Clinics, University of Iowa College of Nursing and University of Chicago

2014 - 2017

Investigator/UI Principal Investigator

Piloting a Picture of Pain in the Pediatric Intensive Care Unit

Principal Investigators: Cynthia LaFond, PhD, RN, CCRN-K and Ann Marie McCarthy, PhD, RN, FAAN
Funding: \$36,000 Mayday Fund

- 2015 - 2017** **Co-Principal Investigator**
Development and Testing of a Computer Application to Support Provider Decision-Making and Parent Distraction with Pediatric IV Insertions
Co-Principal Investigators: Charmaine Kleiber, PhD, RN, FAAN and Ann Marie McCarthy, PhD, RN, FAAN
Funding: \$73,576 University of Iowa College of Nursing, Dean's Research Award
- 2014 - 2017** **Co-Principal Investigator**
Development and Psychometric Testing of the Neonatal Growth Measurement Survey
Co-Principal Investigator: Jan Foote, DNP, ARNP, CPNP, FAANP
Funding: \$2,500 University of Iowa Hospitals & Clinics and University of Iowa College of Nursing Small Grant
- 2012 - 2015** **Investigator**
Long-Term Benefits of the Advanced Practice Institute on Evidence-Based Practice (EBP) Self-Efficacy and EBP Behaviors & Practices
Principal Investigators: Sharon Tucker, PhD, RN, PMHCNS-BC, FAAN and Laura Cullen, DNP, RN, FAAN
Funding: University of Iowa Hospitals & Clinics
- 2012 - 2014** **Co-Principal Investigator**
Stressors and Anxiety Responses of Hospitalized Adolescents with Chronic Illnesses and their Parents
Co-Principal Investigator: Anne Ersig, PhD, RN
Funding: \$10,000 Midwest Nursing Research Society New Investigator Seed Grant
- 2011 - 2014** **Co-Principal Investigator**
Predicting Children's Distraction from Pain: Nurse Interviews
Co-Principal Investigators: Charmaine Kleiber, PhD, RN, PNP, FAAN and Ann Marie McCarthy, PhD, RN, PNP, FAAN
Funding: University of Iowa Hospitals & Clinics and University of Iowa College of Nursing
- 2007 - 2012** **Program Assistant, Clinical Research Consultant**
Predicting Children's Response to Distraction from Pain: Tailored Intervention
Principal Investigators: Charmaine Kleiber, PhD, RN, PNP, FAAN and Ann Marie McCarthy, PhD, RN, PNP, FAAN
Funding: \$2,532,671 National Institutes of Health R01 NR005269-01A2
- 2006 - 2007** **Project Director, Clinical Research Coordinator**
Operationalizing and Pilot Testing the Computerized Predictive Model for Distraction: Interventions for Needle Sticks in Children
Principal Investigators: Ann Marie McCarthy, PhD, RN, PNP, FAAN and Charmaine Kleiber, PhD, RN, PNP, FAAN
Funding: \$8,836 Center for Advanced Studies Spellman Rockefeller Grant, University of Iowa
- 2002 - 2007** **Project Director, Clinical Research Coordinator**
Predicting Children's Response to Distraction from Pain
Principal Investigators: Ann Marie McCarthy, PhD, RN, PNP, FAAN and Charmaine Kleiber, PhD, RN, PNP, FAAN
Funding: \$2,127.143 National Institutes of Health R01 NR005269-01A2 and University of Iowa College of Nursing
- 1999** **Research Assistant III**
Decreasing Child Distress During Medical Procedures
Principal Investigator: Charmaine Kleiber, PhD, RN, PNP, FAAN

Funding: Children's Miracle Network Telethon, University of Iowa Hospitals & Clinics, and University of Iowa College of Nursing

- 1996 - 1998** **Investigator**
Saline for Peripheral Intravenous Locks in Neonates: Evaluating a Change in Practice
 Principal Investigator: Charmaine Kleiber, PhD, RN, PNP, FAAN
 Funding: University of Iowa Hospitals & Clinics
- 1995 - 1996** **Research Assistant III**
Evaluation of a School Re-entry Program for Children with Cancer
 Principal Investigator: Ann Marie McCarthy, PhD, RN, PNP, FAAN
 Funding: \$750 Sigma Theta Tau International, Gamma Chapter Research Grant, University of Iowa Hospitals & Clinics, and University of Iowa College of Nursing
- Research Assistant III**
Parent-Child Interactions During Painful Urological Procedures
 Principal Investigator: Charmaine Kleiber, PhD, RN, PNP, FAAN
 Funding: \$2,000 Society of Pediatric Nurses, University of Iowa Hospitals & Clinics, and University of Iowa College of Nursing
- 1994 - 1996** **Research Assistant III**
Non-Pharmacological Interventions for Procedural Pain
 Principal Investigators: Ann Marie McCarthy, PhD, RN, PNP, FAAN and Val Cool, PhD
 Funding: \$6,100 Children's Miracle Network Telethon, University of Iowa Hospitals & Clinics, and University of Iowa College of Nursing
- 1994** **Primary Investigator**
Altered Parenting and High Risk for Altered Parenting: Validation and Differentiation of the Defining Characteristics
 Master's Thesis
- 1992** **Investigator**
Normal Saline vs. Heparin for Peripheral IVs in Children
 Principal Investigator: Charmaine Kleiber, PhD, RN, PNP, FAAN
 Funding: University of Iowa Hospitals & Clinics
- 1984** **Research Assistant**
Nursing Interventions for Children with Pain Research
 Principal Investigator: Joann Eland, PhD, RN, FAAN
 Funding: University of Iowa College of Nursing

PUBLICATIONS

- 2025** Bohr, N. L., LaFond, C. M., Cazzelle, M., Gonzales, M., Laures, E., Perry-Eaddy, M. A., Hanrahan, K. S., & McCarthy, A. M. (In submission). Using multi-site research results to impact local practice: Innovations and outcomes.
- Laures, E., Edmonds, S. W., & Hanrahan, K. (In press). EBP evaluation: Choose the right tool for making local impact. *Journal of PeriAnesthesia Nursing*.
- Cullen, L., Hanrahan, K., Farrington, M., Wulf, O., & Dolezal, D. (2025). Nursing Leadership for Evidence-Based Practice. In M. L. Joseph, and D. Huber (Eds.), *Leadership and nursing care management* (8th ed., pp. pending). Elsevier.
- 2024** Halm, M., Laures, E., Olson, L., & Hanrahan, K. (2024). When less is more: De-implement low-value practices in perianesthesia nursing care. *Journal of PeriAnesthesia Nursing*, 39(5), 921-925.
<https://doi.org/10.1016/j.jopan.2023.12.027>

Joseph, M. L., Williams, M., Reinke, K., Bair, H., Chae, S., Hanrahan, K., St Marie, B., Jenkins, P., Albert, N. M., Gullatte, M. M., Rogers, D. M., Swan, B. A., Holden, T., Woods, E., DeGuzman, P. B., DeGennaro, G., Marshall, D., Hein, M., Perkhounkova, Y., & Huber, D. L. (2024). Development and testing of the relational and structural components of innovativeness across academia and practice for healthcare progress scale. *Journal of Nursing Administration*, 54(5), 260-269. <https://doi.org/10.1097/nna.0000000000001422>

Stewart, S., Totka, J. P., & Hanrahan, K. (2024). Ted Lasso and team science for evidence-based practice teamwork. *Journal of PeriAnesthesia Nursing*, 39(1), 155–159. <https://doi.org/10.1016/j.jopan.2023.09.009>

2023 Aiken, L. H., Lasater, K. B., Sloane, D. M., Pogue, C. A., Fitzpatrick Rosenbaum, K. E., Muir, K. J., McHugh, M. D., & US Clinician Wellbeing Study Consortium (2023). Physician and nurse well-being and preferred interventions to address burnout in hospital practice: Factors associated with turnover, outcomes, and patient safety. *JAMA Health Forum*, 4(7), e231809. <https://doi.org/10.1001/jamahealthforum.2023.1809>

Baldwin, C. A., Hanrahan, K., Edmonds, S. W., Krumm, A. M., Sy, A., Jones, A., Murphy, T., Mitchell, S., Davidson, H. A., Thomas, J., Webb, L., Doub, T. W., Cooper, W. O., & CORS Professionalism Collaboratory (2023). Implementation of peer messengers to deliver feedback: An observational study to promote professionalism in nursing. *Joint Commission Journal on Quality and Patient Safety*, 49(1), 14–25. <https://doi.org/10.1016/j.jcjq.2022.10.001>

Cullen, L., Hanrahan, K., Farrington, M., Tucker, S., & Edmonds, S. (Eds.). (2023). *Evidence-based practice in action: Comprehensive strategies, tools, and tips from the University of Iowa Hospitals & Clinics* (2nd ed.). Sigma Theta Tau International Honor Society of Nursing.

Cullen, L., Hanrahan, K., Farrington, M., Tucker, S., & Edmonds, S. (Eds.). (2023). Workbook for *evidence-based practice in action: Comprehensive strategies, tools, and tips from the University of Iowa Hospitals & Clinics* (2nd ed.). Sigma Theta Tau International Honor Society of Nursing.

Cullen, L., Hanrahan, K., Tucker, S., Edmonds, S. W., & Laures, E. (2023). The problem with the PICO question: Shiny object syndrome and the PURPOSE statement solution. *Journal of PeriAnesthesia Nursing*, 38(3), 516–518. <https://doi.org/10.1016/j.jopan.2023.01.024>

Dang, D., Melnyk, B., Fineout-Overholt, E., Yost, J., Cullen, L., Fowler, C., Hanrahan, K., Cvach, M., Larrabee, J., Rycroft-Malone, J., Schultz, A., Stetler, C., & Stevens, K. (2023). Models to guide implementation and sustainability for evidence-based practice. In B. Melnyk & E. Fineout-Overholt (Eds.), *Evidence-based practice in nursing & healthcare: A guide to best practice* (5th ed., pp. 446-518). Lippincott, Williams & Wilkins.

Groves, P. S., Bunch, J. L., Hanrahan, K. M., Sabadosa, K. A., Sharp, B., & Williams, J. K. (2023). Patient voices in hospital safety during the COVID-19 pandemic. *Clinical Nursing Research*, 32(1), 105–114. <https://doi.org/10.1177/10547738221129711>

LaFond, C. M., Hanrahan, K., Bohr, N. L., & McCarthy, A. M. (2023). Using a cascading approach to improve multisite study procedures. *Nursing Research*, 72(5), 377–385. <https://doi.org/10.1097/NNR.0000000000000665>

Nasr, A. S., McCarthy, A. M., Manworren, R. C. B., Sorce, L. R., Ersig, A. L., Hinderer, K. A., Calamaro, C., Gettis, M. A., Hanrahan, K., Hayakawa, J., Heitschmidt, M., Middour-Oxler, B., Staveski, S. L., Mandrell, B. N., LaFond, C. M., & Hernandez, T. L. (2023). Variability in qualifications for principal investigator status in research studies by nurses: A call for clarification. *Journal of Pediatric Nursing*, 68, 18-23. <https://doi.org/10.1016/j.pedn.2022.08.009>

Tucker, S., Edmonds, S. W., Cullen, L., Hanrahan, K., & Laures, E. (2023). The problem with PICO for finding the best evidence: Fishing with the wrong bait and the SEARCH solution. *Journal of PeriAnesthesia Nursing*, 38(5), 809-812. <https://doi.org/10.1016/j.jopan.2023.07.002>

Ward, E. K., Joseph, M. L., & Hanrahan, K. (2023). Leadership coaching to improve nursing unit practice councils effectiveness. *Nurse Leader*, 21(6), 668–674. <https://doi.org/10.1016/j.mnl.2023.08.007>

- 2022** Bohr, N. L., Ely, E., Hanrahan, K. S., McCarthy, A. M., & LaFond, C. M. (2022). Predicting who receives nonpharmacologic pain interventions in the pediatric intensive care unit. *Pain Management Nursing*, 23(3), 267–272. <https://doi.org/10.1016/j.pmn.2022.01.005>
- Cullen, L., Hanrahan, K., Edmonds, S. W., Schacht Reisinger, H., & Wagner, M. (2022). Iowa implementation for sustainability framework. *Implementation Science*, 17, 1-20. <https://doi.org/10.1186/s13012-021-01157-5>
- Cullen, L., Laures, E., Hanrahan, K., Edmonds, S. (2022). Evidence to practice: The coat hook analogy and precision implementation approach® solution. *Journal of PeriAnesthesia Nursing*, 37(5), 732-736. <https://doi.org/10.1016/j.jopan.2022.07.009>
- Tye, J., Hanrahan, K., Edmonds, S., Hyatt, D., & Tye, A. (2022). Courageous leadership for a culture of emotional safety. *Nursing Management*, 53(11), 16–23. <https://doi.org/10.1097/01.NUMA.0000891468.54597.90>
- 2021** Cullen, L., Hanrahan, K., Edmonds, S., Schacht Reisinger, H., & Wagner, M. (2021). A study to determine the external validity of the Iowa implementation for sustainability framework [Abstract S-84]. *Implementation Science*, 16(Suppl. 1), 1-47. <https://doi.org/10.1186/s13012-021-01110-6>
- Cullen, L., Hanrahan, K., Edmonds, S. W., Schacht Reisinger, H., & Wagner, M. (2021). 16185 Iowa implementation for sustainability framework: Specification and validation. *Journal of Clinical and Translational Science*, 5(S1), 56. <https://doi.org/10.1017/cts.2021.547>
- Cullen, L., Hanrahan, K., Neis, N., Farrington, M., Laffoon, T. A., & Dawson, C. J. (2021). Evidence-based practice: Strategies for nursing leaders. In D. L. Huber (Ed.), *Leadership and nursing care management* (7th ed., pp. 268-285). Elsevier.
- Tucker, S., McNett, M., Mazurek Melnyk, B., Hanrahan, K., Hunter, S. C., Kim, B., Cullen, L., & Kitson, A. (2021). Implementation science: Application of evidence-based practice models to improve healthcare quality. *Worldviews on Evidence-Based Nursing*, 18(2), 76-84. <https://doi.org/10.1111/wvn.12495>
- 2020** Crawford, C. L., Rondinelli, J., Zuniga, S., Valdez, R.M., Cullen, L., Hanrahan, K., & Titler, M. G. (2020). Testing of the 2005 nursing evidence-based practice survey®. *Worldviews on Evidence-Based Nursing*, 17(2), 118-128. <https://doi.org/10.1111/wvn.12432>
- Cullen, L., Hanrahan, K., Farrington, M., Anderson, R., Dimmer, E., Miner, R., Suchan, T., & Rod, E. (2020). Evidence-based practice change champions program improves quality care. *Journal of Nursing Administration*, 50(3), 128-134. <https://doi.org/10.1097/NNA.0000000000000856>
- Duff, J., Cullen, L., Hanrahan, K., & Steelman, V. (2020). Determinants of an evidence-based practice environment: An interpretive description. *Implementation Science Communications*, 1, 85. <https://doi.org/10.1186/s43058-020-00070-0>
- Foote, J. M., Hanrahan, K., Mulder, P. J., Nielsen, A. K., Perkhounkova, Y., Hein, M., Saeidzadeh, S., & McCarthy, A. M. (2020). Growth measurement practices from a national survey of neonatal nurses. *Journal of Pediatric Nursing*, 52, 10–17. <https://doi.org/10.1016/j.pedn.2020.02.001>
- Hanrahan, K., Utech, J., Cullen, L., Tucker, S. J., & Gallagher-Ford, L. (2020). EBP 2.0: Implementing and sustaining change: Implementing improved central line flushing practices. *American Journal of Nursing*, 12(8), 66-70. <https://doi.org/10.1097/01.NAJ.0000694600.82867.24>
- Kair, L. R., Nidey, N. L., Marks, J. E., Hanrahan, K., Femino, L., Fernandez Y Garcia, E., Ryckman, K., & Wood, K. E. (2020). Disparities in donor human milk supplementation among well newborns. *Journal of Human Lactation*, 36(1), 74–80. <https://doi.org/10.1177/0890334419888163>
- 2019** Cullen, L., Hanrahan, K., Tucker, S. J., & Gallagher-Ford, L. (2019). Data-driven precision implementation approach. *American Journal of Nursing*, 119(8), 60–63. <https://doi.org/10.1097/01.NAJ.0000577460.00222.32>

Ersig, A. L., Schutte, D. L., Standley, J., Leslie, E. J., Zimmerman, B., Hanrahan, K., Murray, J. C., & McCarthy, A. M. (2019). Genetic variants and the cortisol response in children: An exploratory study. *Biological Research for Nursing*, 21(2), 157–165. <https://doi.org/10.1177/1099800419826315>

Hanrahan, K., Fowler, C., & McCarthy, A. M. (2019). Iowa model revised: Research and evidence-based practice application. *Journal of Pediatric Nursing*, 48, 121–122. <https://doi.org/10.1016/j.pedn.2019.04.023>

Joseph, M. L., Huber, D. L., Bair, H., Moorhead, S., & Hanrahan, K. (2019). A typology of innovations in nursing. *Journal of Nursing Administration*, 49(7/8), 389–395. <https://doi.org/10.1097/NNA.0000000000000773>

Joseph, M. L., Bair, H., Williams, M., Huber, D. L., Moorhead, S., Hanrahan, K., Butcher, H., & Chi, N. C. (2019). Health care innovations across practice and academia: A theoretical framework. *Nursing Outlook*, 67(5), 596–604. <https://doi.org/10.1016/j.outlook.2019.05.007>

Lafond, C. M., Hanrahan, K. S., Pierce, N. L., Perkhounkova, Y., Weinberg, E. L., & McCarthy, A. M. (2019). Pain in the pediatric intensive care unit: How and what are we doing? *American Journal of Critical Care*, 28(4), 265–273. <https://doi.org/10.4037/ajcc2019836>

Laures, E., LaFond, C., Hanrahan, K., Pierce, N., Min, H., & McCarthy, A. M. (2019). Pain assessment practices in the pediatric intensive care unit. *Journal of Pediatric Nursing*, 48, 55–62. <https://doi.org/10.1016/j.pedn.2019.07.005>

2018 Cullen, L., & Hanrahan, K. (2018, January 8). Evidence-based practice and the bottom line: An issue of cost [Blog post]. *Healthcare Financial Management Association*. <https://www.hfma.org/Content.aspx?id=58754>

Cullen, L., & Hanrahan, K. (2018, April 24). Journey to evidence-based healthcare. *Reflections on Nursing Leadership*. <https://nursingcentered.sigmanursing.org/features/more-features/journey-to-evidence-based-healthcare>

Cullen, L., Hanrahan, K., Farrington, M., DeBerg, J., Tucker, S., & Kleiber, C. (2018). *Evidence-based practice in action: Comprehensive strategies, tools, and tips from the University of Iowa Hospitals & Clinics*. Sigma Theta Tau International.

Cullen, L., Hanrahan, K., & Kleiber, C. (2018, September 27). Nursing and EBP: From asking questions to evaluating results. *Reflections on Nursing Leadership*. <https://nursingcentered.sigmanursing.org/features/more-features/nursing-and-ebp-from-asking-questions-to-evaluating-results>

Cullen, L., Hanrahan, K., Neis, N., Farrington, M., Laffoon, T. A., & Dawson, C. J. (2018). Evidence-based practice: Strategies for nursing leaders. In D. L. Huber (Ed.), *Leadership and nursing care management* (6th ed., pp. 268–285). Elsevier.

Cullen, L., Hanrahan, K., Tucker, S., Rempel, G., & Jordan, K. (2018). エビデンスに基づく実践ビルディング ブロック: 包括的な戦略、ツールとヒント [Evidence-based practice building blocks: Comprehensive strategies, tools and tips]. IS trans. Kyoto, Japan: Minerva Shobo.

Hanrahan, K., Kleiber, C., & McCarthy, A. M. (2018) Distraction in action[®]: Helping children during medical procedures in community and public health settings. *Journal of Community and Public Health Nursing*, 4(2), 217. <https://doi.org/10.4172/2471-9846.1000217>

2017 Ersig, A. L., Schutte, D. L., Standley, J., Leslie, E., Zimmerman, B., Kleiber, C., Hanrahan, K., Murray, J. C., & McCarthy, A. M. (2017). Relationship of genetic variants with procedural pain, anxiety, and distress in children. *Biological Research for Nursing*, 19(3), 339–349. <https://doi.org/10.1177/1099800417692878>

Hanrahan, K., Kleiber, C., Miller, B. J., Davis, H., & McCarthy, A. M. (2018). The distraction in action tool[®]: Feasibility and usability in clinical settings. *Journal of Pediatric Nursing*, 41, 16–21. <https://doi.org/10.1016/j.pedn.2017.11.002>

Iowa Model Collaborative. (2017). Iowa model of evidence-based practice: Revisions and validation. *Worldviews on Evidence-Based Nursing*, 14(3), 175–182. <https://doi.org/10.1111/wvn.12223>

- 2016** Foote, J. M., Hanrahan, K., Mulder, P., Bye, A., Fleming, A., Hein, M., Perkhounkova, Y., Bohr, N. L., & McCarthy, A. M. (2016). Development and psychometric testing of the neonatal growth measurement survey. *Journal of Pediatric Nursing*, 31(3), 366-367. <https://doi.org/10.1016/j.pedn.2016.03.013>

Lafond, C., McCarthy, A., & Hanrahan, K. (2016). (107) The prevalence of pain assessments, interventions, and painful procedures in critically ill children: A multisite pilot study. *Journal of Pain*, 17(4, Supplement), S2-S3. <https://doi.org/10.1016/j.jpain.2016.01.010>

- 2015** Hanrahan, K., Wagner, M., Matthews, G., Stewart, S., Dawson, C., Greiner, J., Pottinger, J., Vernon-Levett, P., Herold, D., Hottel, R., Cullen, L., Tucker, S., & Williamson, A. (2015). Sacred cow gone to pasture: A systematic evaluation and integration of evidence-based practice. *Worldviews on Evidence-Based Nursing*, 12(1), 3–11. <https://doi.org/10.1111/wvn.12072>

- 2014** Cullen, L., Dawson, C. J., Hanrahan, K., & Dole, N. (2014). Evidence-based practice: Strategies for nursing leaders. In D. L. Huber (Ed.), *Leadership and nursing care management* (5th ed., pp. 274-290). Elsevier.

McCarthy, A. M., Kleiber, C., Hanrahan, K., Zimmerman, M. B., Ersig, A., Westhus, N., & Allen, S. (2014). Matching doses of distraction with child risk for distress during a medical procedure: A randomized clinical trial. *Nursing Research*, 63(6), 397-407. <https://doi.org/10.1097/NNR.0000000000000056>

- 2013** Ersig, A. L., Kleiber, C., McCarthy, A. M., & Hanrahan, K. (2013). Validation of a clinically useful measure of children's state anxiety before medical procedures. *Journal for Specialists in Pediatric Nursing*, 18(4), 311-319. <https://doi.org/10.1111/jspn.12042>

Hanrahan, K. (2013). Hyaluronidase for treatment of intravenous extravasations: Implementation of an evidence-based guideline in a pediatric population. *Journal for Specialists in Pediatric Nursing*, 18(3), 253-262. <https://doi.org/10.1111/jspn.12035>

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- 1998** McCarthy, A. M., Cool, V. A. & Hanrahan K. (1998). Cognitive behavioral interventions for children during painful procedures: Research challenges and program development. *Journal of Pediatric Nursing*, 13(1), 55-63. [https://doi.org/10.1016/S0882-5963\(98\)80069-9](https://doi.org/10.1016/S0882-5963(98)80069-9)
- 1994** Hanrahan, K. S., Kleiber, C., & Fagan, C. L. (1994). Evaluation of saline for IV locks in children. *Pediatric Nursing*, 20(6), 549-552.
- 1993** Kleiber, C., Hanrahan, K., Fagan, C. L., & Zittergruen, M. A. (1993). Heparin vs. saline for peripheral IV locks in children. *Pediatric Nursing*, 19(4), 405-409, 376.
- 1990** Turk, L. J., Hanrahan, K. M., & Weber, E. R. (1990). Munchausen syndrome by proxy: A nursing overview. *Issues in Comprehensive Pediatric Nursing*, 13(4), 279-288.

WORKSHOPS/PROGRAMS

- 2024** *Advanced Evidence-Based Practice Institute: Mastering EBP and Building Capacity* [3-day workshop]. University of Iowa Health Care, Iowa City, IA

Advanced Evidence-Based Practice Institute: Mastering EBP and Building Capacity [4-day workshop]. University of Iowa Health Care, Virtual.

Advanced Evidence-Based Practice Institute, [4-day workshop]. Medical Center Hospital & Texas Tech University, Virtual.

Advanced Evidence-Based Practice Institute, University of Nebraska Medical Center, Omaha, NE.

Making Evidence-Based Practice Stick. [2-hour Webinar]. Florida Alcohol and Drug Abuse Association, State of Florida, Department of Children and Families. Virtual

2023 *Advanced Evidence-Based Practice Institute: Mastering EBP and Building Capacity* [3-day workshop]. University of Iowa Hospitals & Clinics, Virtual

Advanced Evidence-Based Practice Institute: Mastering EBP and Building Capacity [4-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.

2022 *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Virtual.

Precision Implementation Approach®: Where Evidence-Based Practice Evaluation Meets Implementation Science [90-minute workshop]. Southern Illinois University Edwardsville School of Nursing, Edwardsville, IL.

2021 *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. Children's Hospitals and Clinics of Minnesota, Virtual.

Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice [3-day workshop]. University of Iowa Hospitals & Clinics, Virtual.

Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice [2-day workshop]. University of New Mexico College of Nursing, Virtual.

Implementation [Workshop]. 28th National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Virtual.

Igniting the Spark for EBP [1-day leadership workshop]. UnityPoint Health, Des Moines, IA.

2020 *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.

Implementation Science for Clinicians: Applications of EBP Models in the Field [Workshop]. 13th Annual Conference on the Science of Dissemination and Implementation Health, AcademyHealth, Virtual.

Precision Implementation Approach™ for Evidence-Based Perinatal Mental Healthcare [Preconference workshop]. 48th Anniversary International Marcé Society Biennial, Innovations in Research, Policy and Clinical Care, Virtual.

2019 *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. Children's Hospitals and Clinics of Minnesota, Minneapolis, MN.

Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice [3-day-workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.

Evidence-Based Practice Training Program [2-day workshop]. Roswell Park Comprehensive Cancer Center, Buffalo, NY.

- 2018** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- EBP Evaluation* [Webinar]. Florida Gulf Coast University, Fort Myers. FL.
- Evidence-Based Practice Training Program* [2-day workshop]. Florida Gulf Coast University, Fort Myers. FL.
- Use of the Iowa Model for EBP and DNP Projects* [2-day workshop]. Loma Linda University, Loma Linda, CA.
- 2017** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2016** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. CentraCare Health, St. Cloud, MN.
- Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2015** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2014** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- Building Evidence-Based Practice* [2-day workshop]. Aroostook Medical Center, Aroostook, ME.
- 2013** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. CentraCare Health, St. Cloud, MN.
- Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2012** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2011** *Advanced Practice Institute: Promoting Adoption of Evidence-Based Practice* [3-day workshop]. University of Iowa Hospitals & Clinics, Iowa City, IA.

INTERNATIONAL PRESENTATIONS

- 2024** *Maps for Success- An EBP Process and Implementation for Sustainability Framework.* Magnet4Europe Celebration Conference, Leuven, Belgium.
- A Systematic Approach for the Development of Evidence-Based Care Coordination Across Oncology Settings: The Iowa Model of Evidence-Based Practice.* [Poster presented by F. DeNitto]. Magnet4Europe Celebration Conference, Leuven, Belgium.
- 2023** *Growing Growth: The Quality of Nursing will Deepen with the Tree of Knowledge.* [Poster presentation; presented by M. Ziller]. Magnet4Europe: Improving Mental Health and Wellbeing in the Health Care Workplace, Oslo, Norway.
- Shared Governance Model.* Magnet4Europe Site Visit, Kreiskliniken-Reutlingen, Reutlingen, Germany.
- Transformational Leadership.* Magnet4Europe Site Visit, Kreiskliniken-Reutlingen, Reutlingen, Germany.

- 2022** *Project Come Together* [Poster presentation; presented by M. Eilier]. Magnet4Europe Learning Collaborative, Cork, Ireland.
- 2019** *Evidence-Based Practice Development for Practicing Nurses Across the Career Continuum*. 30th International Nursing Research Congress, Sigma Theta tau International, Calgary, Alberta, Canada.
- Iowa Model: A Catalyst for Evidence-Based Practice Collaborations New and Far* [Poster presentation]. 30th International Nursing Research Congress, Sigma Theta tau International, Calgary, Alberta, Canada.
- Iowa Model: Evidence-Based Practice Step-by-Step*. DonZhiMen Hospital, Beijing, China.
- Painful Procedures in Critically Ill Children in the US: What are we doing and to whom?* [Poster presentation]. 12th International Symposium on Paediatric Pain, Special Interest Group on Pain in Childhood, International Association for the Study of Pain, Basel, Switzerland.
- Translating Research to Practice*. School of Nursing, Beijing University of Chinese Medicine, Beijing, China.
- 2017** *Pain in the PICU. How and what are we doing?* [Poster presentation; presented by Cynthia LaFond]. 11th International Forum on Pediatric Pain, Center for Pediatric Pain Research, Nova Scotia, Canada.
- 2016** *Predicting Child Risk for Distress with a Painful Procedure* [Conference symposium]. 27th International Nursing Research Congress, Sigma Theta Tau International, Capetown, South Africa.
- 2015** *Experiences of the Iowa Model Users: A Mixed Methods Descriptive Study* [Conference symposium]. 26th International Nursing Research Congress, Sigma Theta Tau International, San Juan, Puerto Rico.
- Nurses' Experiences with Parents as Distraction Coaches During Medical Procedures* [Poster presentation]. 10th International Symposium on Pediatric Pain, Seattle, WA.
- Pain in the PICU: A Retrospective Review of the Electronic Health Record* [Poster presentation]. 10th International Symposium on Pediatric Pain, Seattle, WA.
- Piloting a Picture of Pain in the Pediatric Intensive Care Unit* [Poster presentation]. 10th International Symposium on Pediatric Pain, Seattle, WA.
- 2012** *From Research Results to Prediction and Translation: A Decision Support System for Children, Parents and Distraction During Healthcare Procedures*. 23rd International Nursing Research Congress, Sigma Theta Tau International, Brisbane, Australia.
- Genomic Data in a Two Phase Intervention Trial: The DIG Team Experience* [Poster presentation]. 23rd International Nursing Research Congress, Sigma Theta Tau International, Brisbane, Australia.
- Implementation and Evaluation of an Evidence-Based Guideline in a Pediatric Population: Hyaluronidase to Treat IV Extravasations* [Poster presentation]. 23rd International Nursing Research Congress, Sigma Theta Tau International, Brisbane, Australia.
- Sacred Cow Gone to Pasture: Using the Iowa Model for Promoting Evidence-Based Practice*. 23rd International Nursing Research Congress, Sigma Theta Tau International, Brisbane, Australia.
- 2010** *Parent Distraction Coaching During Painful Medical Procedures: Data Mining to Develop a Computerized Predictive Model of Distress*. 8th International Symposium on Pediatric Pain, Acapulco, Mexico.

- 2006** *Predictors of Child Response to Parent Distraction During a Medical Procedure*. 7th International Symposium on Pediatric Pain, Vancouver, BC, Canada.
- Teaching Parents to Provide Distraction Coaching for their Children During Medical procedures* [Poster presentation]. 7th International Pediatric Symposium on Pediatric Pain, Vancouver, BC, Canada.
- 2005** *Development and Validation of the Distraction Coaching Inventory Scale* [Paper presentation, presented by C. Kleiber]. 16th International Nursing Research Congress, Sigma Theta Tau International Conference, Waikoloa, HI.
- Genetic Variants and Pain Response in Children Following Painful Procedure* [Paper presentation, presented by M. Floria-Santos]. International Society of Nurses in Genetics Conference, Salt Lake City, UT.
- 2004** *Issues in Measuring Children's Preferred Style of Coping with Pain* [Poster presentation]. Joint Meeting of the Canadian and American Pain Societies, Vancouver, BC, Canada.

NATIONAL PRESENTATIONS

- 2024** *Breaking Boundaries: Inquiry, Innovation & Impelmentation. (Keynote presentation)*. ANA Enterprise Research Symposium Pre-Conference, New Orleans
- Forging New Paths for Clinician Innovation*. [Panel discussion]. 31st National EBP Conference, Coralville, IA.
- Incubating Nursing Innovations*. 2024 Becker's HIT + Digital Health + RCM Annual Meeting, Chicago, Ill.
- Shifting Gears for Innovation*. 31st National EBP Conference, Coralville, IA.
- A Systematic Approach for the Development of Evidence-Based Care Coordination Across Oncology Settings: The Iowa Model of Evidence-Based Practice*. [Poster presentation by F. De Nitto]. 31st National EBP Conference, Coralville, IA.
- 2023** *Incubating Nursing Innovations for Healthcare Technology*. 2023 ANCC National Magnet Conference® and ANCC Pathway to Excellence Conference®, Chicago, IL.
- Precision Implementation Approach® for Evidence-Based Practice*. [Poster presentation]. 2023 ANCC National Magnet Conference® and ANCC Pathway to Excellence Conference®, Chicago, IL.
- Revolutionary Solutions for EBP*. [Plenary presentation]. 30th National EBP Conference, Coralville, IA.
- 2022** *Evidence-Based Practice Using the Iowa Model: The Journey to Improved Outcomes* [Keynote]. EBP Conference, Baycare Health System, Inc., Clearwater, FL
- Trusted Bridge Builders for Achieving Health Equity* [Symposium]. 2022 Annual Research Conference, Midwest Nursing Research Society Conference, Schaumburg, IL
- 2021** *Iowa Implementation for Sustainability Framework: Evaluation and Revisions*. 2021 Fuld Institute for EBP Summit, The Ohio State University, Virtual.
- Precision Implementation Approach: Application of the Iowa Implementation for Sustainability Framework in Practice* [Poster presentation]. 14th Annual Conference on the Science of Dissemination and Implementation, AcademyHealth, Virtual.

Supportive Care for Children with Autism Spectrum Disorder (ASD) During Venipuncture [Poster presentation, presented by DeeAnn Hebrink]. ASPMN 31st National Conference, American Society for Pain Management Nursing, Virtual.

Supportive Care for Children with Autism Spectrum Disorder (ASD) During Venipuncture [Poster presentation, presented by DeeAnn Hebrink]. AVA 2021 Annual Scientific Meeting, Association for Vascular Access, Virtual.

2020

A Study to Determine the External Validity of the Iowa Implementation for Sustainability Framework [Paper presentation, presented by Laura Cullen & Stephanie Edmonds]. 13th Annual Conference on the Science of Dissemination and Implementation, AcademyHealth, Virtual.

Simply Saline for Central Venous Catheter Flush/Lock [Poster presentation]. ONS 45th Annual Congress, Virtual.

Twinning Exemplars Panel [Oral presentation]. Inaugural U.S. Magnet4Europe Consortium Meeting, Silver Spring, MD.

2019

Disparities in Donor Milk Supplementation in the Well Newborn Nursery [Poster presentation, presented by Laura Kair]. 2019 Meeting, Pediatric Academic Society, Baltimore, MD.

Distraction in Action: Translating Research to Practice for Painful Pediatric Procedures [Keynote presentation]. 10th Annual Nursing Research Symposium, Children's Healthcare of Atlanta, Atlanta, GA.

Evidence Pyramid Upside Down [Poster presentation]. 2019 Fuld Institute for EBP Summit, The Ohio State University, Columbus, OH.

HAPI® App: An Innovative Approach to Conducting Skin Surveys [Poster presentation, presented by Julia Langin]. 2019 WOCNext, Wound, Ostomy and Continence Nurses Society, Nashville, TN.

HAPI® App: An Innovative Approach to Conducting Skin Surveys [Poster presentation]. National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.

Longitudinal Evaluation of a New Children's Hospital: Healthcare Staff, Parent and Quality Outcomes [Poster presentation]. 29th Annual Conference, Society of Pediatric Nurses, Washington, DC.

Longitudinal Evaluation of a New Children's Hospital: Healthcare Staff, Parent, and Quality Outcomes. 43rd Annual Research Conference, Midwest Nursing Research Society, Kansas City, MO.

Longitudinal Evaluation of a New Children's Hospital: Healthcare Staff, Parent and Quality Outcomes [Poster presentation]. National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.

Research Critique Simulation: A Novel Approach to Constructing Confidence in Staff Nurses [Poster presentation, presented by Lorraine Femino]. 2019 Conference, International Nursing Association for Clinical Simulation and Learning, Phoenix, AZ.

2018

DAT: A Research-Based Web Tool for Predicting Child Response to a Painful Procedure and Training Parents to be a Distraction Coach. 28th Annual Conference, Society of Pediatric Nurses, Denver, CO.

Distraction in Action Tool®: App for Painful Procedures in Children [Virtual micro-level presentation]. National Magnet Conference, American Nurses Credentialing Center, Denver, CO.

Pain Assessment Practices in the Pediatric Intensive Care Unit [Poster presentation, presented by E. Weinberg]. 42nd Annual Research Conference, Midwest Nursing Research Society, Cleveland, OH.

Research Deans' Special Session: Academic Incubators and Crowdfunding Sources that Foster Nursing Research. 42nd Annual Research Conference, Midwest Nursing Research Society, Cleveland, OH.

Sacred Cow Solutions. Fresenius Kabi, Simplist® Advisory Board Meeting, Wilson, NC.

2017

Distraction in Action: A Predictive and Personalized Intervention App for Painful Pokes in Children [Paper presentation, presented by Ben Miller]. 17th International Meeting on Simulation in Healthcare: 7th Annual Spectrum of Ideas Showcase, Orlando, FL.

Distraction in Action: A Predictive and Personalized Intervention for Painful Pokes in Children. 24th National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.

Distraction in Action: A Research-Based Tool to Help Parents When Their Child has a Painful Procedure. 2017 Fuld Institute for EBP Summit, The Ohio State University, Columbus, OH.

Implementing the Pediatric PRN Role: Change & Overcoming Barriers. Pediatric Pain Resource Nurse Curriculum, Chicago, IL.

IVs and iPads: How Joint Media Engagement Helps Children "Cope with Pokes" [Poster presentation, presented by Ben J. Miller]. 12th International Conference on the Foundations of Digital Games, Hyannis, MA.

Pain in Critically Ill Children: How and what are we doing? 27th Annual Conference, Society of Pediatric Nurses, West Palm Beach, FL.

2016

The Developing Picture of Pain in the PICU: Round Two Pilot Results. 23rd National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.

Development of the Neonatal Growth Measurement Survey: Practitioners Knowledge, Attitudes, and Bases of Practice. 11th Annual National Association of Neonatal Nurses Research Summit, Scottsdale, AZ.

Opportunities for Future Collaborations in Pediatric Pain Research. 4th Annual Pediatric Nurse Scientist Collaborative Fly-In, Aurora, CO.

Practice Makes Practicable: Piloting Procedures for a National Point-Prevalence Study Regarding Critically Ill Children's Pain [Poster presentation]. 40th Annual Research Conference, Midwest Nursing Research Society, Milwaukee, WI.

The Prevalence of Pain Assessments, Interventions, and Painful Procedures in Critically Ill Children: A Multisite Pilot Study [Paper presentation, presented by Cynthia LaFond]. Annual Scientific Meeting, American Pain Society, Austin, TX.

2015

Nurses' Experiences with Parents as Distraction Coaches During Medical Procedures [Poster presentation]. Pediatric Nursing Research Fly-In, Children's Hospital of Chicago, Chicago, IL.

Pain in the PICU: A Retrospective Review of the Electronic Health Record [Poster presentation]. Pediatric Nursing Research Fly-In, Children's Hospital of Chicago, Chicago, IL.

Piloting a Picture of Pain in the Pediatric Intensive Care Unit [Poster presentation]. Pediatric Nursing Research Fly-In, Children's Hospital of Chicago, Chicago, IL.

Revised Iowa Model. 22nd National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.

- 2013** *Genomic Variation and Procedural Anxiety* [Poster presentation, presented by A. Ersig]. Translational Science 2013, Washington, D.C.
- Procedure-Related Anxiety in Children: Association with Genomic Variation*. Annual Conference, Midwest Nursing Research Society, Chicago, IL.
- Sacred Cows: Moo-ving On* [Poster presentation]. 20th National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2012** *Evaluating Practice: Evidence-Based or Sacred Cows?* [Poster presentation]. 19th National Evidence-Based Practice Conference, University of Iowa, Iowa City, IA.
- 2011** *Factors Associated with Parents' Ability to Provide Distraction Coaching for Children During an IV Insertion* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Columbus, OH.
- Hyaluronidase for the Treatment of Extravasations in Neonates*. 6th Annual Research Summit, National Association of Neonatal Nurses, Scottsdale, AZ.
- 2010** *A Tailored Intervention for Distracting Children from Medical Procedures: Using an Evidence-Based Guideline and Computer Technology*. 17th National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.
- Hyaluronidase to Treat Pediatric IV Extravasations: An Evidence-Based Guideline* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Kansas City, MO.
- Hyaluronidase to Treat Pediatric IV Extravasations: An Evidence-Based Guideline* [Poster presentation]. 17th National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.
- 2008** *The Computerized Predictive Model of Distress for Medical Procedures in Children*. 29th Annual Conference on Pediatric Health Care, National Association of Pediatric Nurse Practitioners, Nashville, TN.
- The Influence of Gender and Age on Parent Distraction Coaching for IV Insertion Procedures*. Annual Conference Symposium, Midwest Nursing Research Society, Indianapolis, IN.
- Quantifying Parent Use of Distraction for Children Having a Medical Procedure*. Annual Conference Symposium, Society of Pediatric Nurses, Denver, CO.
- 2007** *Cortisol Responsivity to a Medical Procedure in Children with Attention Deficit Hyperactive Disorder (ADHD)* [Poster presentation, presented by L. Myers]. Annual Conference, Midwest Nursing Research Society, Omaha, NE.
- Genetic Predictors of Pain Perception*. Annual Conference, Midwest Nursing Research Society, Omaha, NE.
- Parent Distraction During a Peripheral IV Insertion: Cortisol Responsivity and Predictors of Child Distress* [Poster presentation]. Annual Convention, Society of Pediatric Nurses, Milwaukee, WI.
- Predictors of Child Response to a Medical Procedure when Distraction is Provided by a Parent*. Annual Conference Symposium, Midwest Nursing Research Society, Omaha, NE.

- 2006** *Ethical Analysis of Factors Influencing Parental Enrollment of their Child in a Non-Therapeutic Clinical Research Trial* [Paper presentation, presented by J. Twomey]. Annual Conference, Midwest Nursing Research Society, Milwaukee, WI.
- Father's Providing Distraction Coaching for Their Child During a Painful Medical Procedure* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Milwaukee, WI.
- Normal Values and the Impact of Painful Procedure on Salivary Cortisol Levels in Children* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Milwaukee, WI.
- The Relationship Between Anxiety Genes and Distress in Children Undergoing Venipuncture* [Poster presentation, presented by D. Schutte]. Annual Conference, Midwest Nursing Research Society, Milwaukee, WI.
- Teaching Parents to Provide Distraction Coaching for Their Children During Medical Procedures* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Milwaukee, WI.
- 2005** *Association Between Pain Response and an Endothelial Receptor A (EDNRA) Polymorphism in Children Undergoing an IV Insertion* [Poster presentation, presented by D. Schutte]. American Society of Human Genetics, Salt Lake City, UT.
- Development of a Scale to Measure the Quality of Parent Distraction Coaching* [Poster presentation, presented by L. Meyers]. Annual Conference, Midwest Nursing Research Society, Cincinnati, OH.
- Parent and Child Reports of Child's Preferred Coping Style with Pain* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Cincinnati, OH.
- Predictors of Topical Anesthetic Effectiveness for Children's Pain* [Poster presentation]. Annual Conference, Midwest Nursing Research Society, Cincinnati, OH.
- Relationship Between Genetic Variants and Pain Response in Children Receiving an IV* [Poster presentation, presented by D. Schutte]. Annual Conference, Midwest Nursing Research Society, Cincinnati, OH.
- 2004** *Challenges in Salivary Cortisol Collection and Analysis in Pediatric Researchers* [Poster presentation]. Annual Meeting, Midwest Nursing Research Society, St. Louis, MO.
- Research to Practice: Parents as Distraction Coaches*. Society of Pediatric Nurses Annual Conference, Las Vegas, NV.
- 1999** *Saline for PIV Locks in Neonates: RU Increasing Power through Practice* [Poster presentation]. 6th National Research Utilization Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.
- 1994** *Infant Positioning and SIDS* [Poster presentation]. 1st National Research Utilization Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.
- Saline for Peripheral IV Lock Maintenance in Children* [Poster presentation]. 1st National Research Utilization Conference, University of Iowa Hospitals & Clinics, Iowa City, IA.

REGIONAL PRESENTATIONS

- 2024** *Revolutionary Evidence-Based Practice*. INA Annual Conference, Iowa Nurses Association, Ames, IA.
- Spark the fire: Innovation in Neuroscience Nursing*. 21st Annual Neuroscience Nursing Conference, Iowa City, IA

De-implementation of Pillows and Linens to Decrease Sacral HAPI in the MICU. [Poster presented by L. Olson]. Quality and Safety Symposium, Iowa City, IA.

Driving Down ICU days by Optimizing EUD Options. [Poster presented by K. Poch]. Quality and Safety Symposium, Iowa City, IA,

- 2022** *Academia and Practice Collaborations for the Win, Win, Win!* [Keynote presentation]. Annual St. Louis Regional Consortium, Southern Illinois University Edwardsville School of Nursing, Edwardsville, IL.
- Evidence-Based Practice Using the Iowa Model: The Journey to Improve Outcomes* [Keynote presentation]. Evidence-Based Practice and Research Conference, BayCare Health System, Clearwater, FL.
- Implementation Science: Pediatric Pain Research Meets Practice.* EBP Mentorship Program, Boston Children's Hospital, Virtual.
- Nursing Innovators: Practical Solutions and a Pathway for Development.* Medical Device Development Symposium, University of Iowa, Iowa City, IA
- 2021** *The Iowa Model and the Iowa Implementation for Sustainability Framework: Exploring Research Applications.* Ethnographic Methods and Implementation Core (EMIC), Center for Access and Delivery Research and Evaluation (CADRE), Iowa City VA Medical Center, and Engagement, Integration and Implementation Core, Institute for Clinical and Translation Science (ICTS), Virtual.
- 2017** *Innovator Panel: Experiences with Prototype & Technical Skills.* MakerNurse Workshop, Mount Mercy University, Cedar Rapids, IA.
- 2016** *Evidence-Based Practice: Sending Sacred Cows to Pasture.* Nursing Update for Critical Access Hospitals, Iowa City, IA.
- 2015** *Navigating Sacred Cows and Evidence-Based Practice Using the Iowa Model* [Keynote presentation]. 3rd Annual Advocate Nursing Research Symposium, Elgin, IL.
- 2014** *Evidence-Based Practice: Where are we?* [Keynote presentation]. 16th Annual Evening of Research, Des Moines, IA.
- 2008** *Computerized Predictive Model of Distraction.* Blank Children's Hospital, Des Moines, IA.
- 2004** *Toys in the NICU.* 30th Conference on Perinatal Medicine, Iowa Great Plains Organization, Des Moines, IA.
- 2003** *International Nursing Experiences.* 29th Conference on Perinatal Medicine, Iowa Great Plains Organization, Des Moines, IA.
- 1999** *Saline for Peripheral IV locks in Neonates: Evaluating a Change in Practice.* Neonatal Update, University of Iowa Hospitals & Clinics, Iowa City, IA.
- 1998** *Percutaneous Line Maintenance*. Iowa Perinatal Program, Iowa City, IA

MEDIA

- 2023** *Distraction for Pediatric Painful Procedures: Implementing an Evidence-Based Approach.* [Online Video]. OPENPediatrics. <https://learn.openpediatrics.org/learn/course/internal/view/elearning/5329/distraction-for-pediatric-painful-procedures-implementing-an-evidence-based-approach>.
- 2021** *Comfort Positioning for Pediatric Procedures* [Video]. YouTube. <https://youtu.be/d9zAvabZwIQ>.

- 2020** *Blending EBP Evaluation and Implementation* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- EBP Evaluation* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- EBP vs Research vs Quality* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- Five Groups within Rogers Diffusion Theory* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- Introduction to Process, Outcomes, and Implementation* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- Iowa Model Design* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- Iowa Model ID* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- Sustainability as a Part of Phased Implementation* [Video]. Higher Learning Technologies My Nursing Mastery. <https://builtbyhlt.com/nclex-mnm-welcome>
- 2019** *Distraction in Action Video: Distraction Coaching to Help Children During Medical Procedures*
https://www.youtube.com/watch?v=4oC_tvs_kXQ
 Training video for health care professionals to learn how to provide distraction for children during medical procedures.
 Funding: \$22,000 Mayday Fund
- How to use the Distraction in Action Tool*
<https://www.youtube.com/watch?v=gpLlpu05Jxo>
 Training video for parents to learn how to use the Distraction in Action Tool, a web-based tool to identify the child's risk for distress with medical procedures and provide individualized instructions for distraction.
- 2018** *HAPI App: Hospital Acquired Pressure Injury*
 Electronic survey tool for point prevalence data collection and management on a tablet.
 Funding: University of Iowa Hospitals & Clinics, University of Iowa College of Nursing
- 2017** *Distraction in Action Tool® (DAT)*
webapps1.healthcare.uiowa.edu/CPadApp
 Web-based application which helps parents and healthcare professionals predict a child's risk for distress with painful medical procedures and provides tailored instructions to help parents be a distraction coach.
 Funding: \$10,000 Crowdfunding, University of Iowa Office of Research and Economics, University of Iowa Hospitals & Clinics, University of Iowa College of Nursing and Institute for Clinical and Translational Science at the University of Iowa
- Distraction in Action Video: Helping Your Child During a Medical Procedure*
<https://www.youtube.com/watch?v=D6GSPUVh2k0>
 Training video for parents and family members to learn how to help a child during a medical procedure by being a distraction coach, including how to select distraction items, positioning, and tips for distraction.
 Funding: Crowdfund (see above), University of Iowa Hospitals & Clinics, University of Iowa College of Nursing
- Distraction in Action Website*

uichildrens.org/distraction-in-action

Website with resources related to procedural pain in children.

Funding: \$3,000 Venture Training Award, University of Iowa Hospitals & Clinics, University of Iowa College of Nursing, University of Iowa Health Care Marketing and Communications

- 2011** *Parents as Distraction Coaches* [Video]
 uichildrens.org/health-library/parents-distraction-coaches
 Training video for health care professionals to learn how to include parents as distraction coaches for their children during medical procedures.
 Funding: \$11,500 Mayday fund
- Professionals as Distraction Coaches* [Video]
<https://uichildrens.org/health-library/professionals-distraction-coaches>
 Training video for health care professionals to learn skills for capturing children's attention with distraction to reduce distress during medical procedures.
 Funding: Mayday fund (see above)

OTHER PROFESSIONAL EXPERIENCE

Appointments

- 2010 - present Adjunct Faculty**
 University of Iowa College of Nursing
- 2016 - 2021 Affiliated Faculty Member**
 T32 R011147Herr/McCarthy (PI)
 NINR Pain and Associated Symptoms: Nurse Research Training

Board Memberships

- 2024- ANA Enterprise, Innovations- Health System Nurse Innovator Leadership (HSNIL) Forum.**
 National nurse leaders innovation forum by invitation.
- 2018 - present Implementation Science Core Advisory Board**
 Helene Fuld Health Trust National Institute for EBP in Nursing & Healthcare
 College of Nursing, The Ohio State University
- 2017 - present Biomedical Institutional Review Board**
 University of Iowa
- 2013 - present Family Advisory Council**
 University of Iowa Stead Family Children's Hospital
- 2018 - 2020 Fresenius Kabi Simplist® Advisory Board**
- 2012 - 2019 Membership Chair, Board**
 Iowa Association of Nurse Practitioners

Expert Witness

- 2012 Missouri Delta Medical Center**
 Sikeston, MO
- 2010 Missouri Delta Medical Center**
 Sikeston, MO
- 2008 Cabell Huntington Hospital**
 Huntington, WV

2004	Children's Hospital Medical Center Cincinnati, OH
2003	Mayo Clinic and Saint Mary's Hospital Rochester, MN

Medical Mission

2003	Project New Start Bucharest, Romania
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Preceptor/Mentor Graduate Students

2023 -	Mariah Meier, DNP student, leadership
2022	Lisa Hunter, MSN student, population health
2020 - 2022	Lorriane Femino, DNP student, leadership
2017	Robert Anderson, DNP student, practicum
2014 - 2017	Anne Bye, DNP student, research mentor
2014 - 2015	Heidi Tschoeke, DNP student preceptor
2012 - 2013	Laura Ramsey, DNP student preceptor Gail Reynolds, DNP student preceptor
2011 - 2013	Danielle Wendel, DNP student preceptor
2007 - 2018	PNP/FNP students and pediatric residents

Preceptor/Mentor Undergraduate Students

2016 - 2018	Alexandra Davis, Early Admit, Research Assistant, University of Iowa
2016	Kristina Remec, Volunteer, Research Assistant, University of Iowa
2014 - 2015	Amelia Fleming, Honor Student Independent Study, University of Iowa
2012 - 2013	Jeanette George, Young Scientist, University of Iowa
2012	Jackie Bannon, Iowa Biosciences Advantage Student
2009	Rea Roxas, Honor Student Independent Study, University of Iowa
2008 - 2009	Lauren Whitaker, Young Scientist, University of Iowa
2004 - 2008	Latisha Meyers, Iowa Biosciences Advantage Student
2005	Ruth Garcia, High School Secondary Student Training Program Student
2004 - 2005	Ashlee Fifer, Young Scientist, University of Iowa
2004	Shannon Ault, Honor Student Independent Study, University of Iowa Andy Whitters, Honor Student Independent Study , Mount Mercy University
2002 - 2003	Samantha Chinderle, Young Scientist, University of Iowa

Peer Reviews

2024	Journal of PeriAnesthesia Nursing
2023	University of Iowa College of Nursing Grants
2023	Heliyon
2022	Sigma Theta Tau International Gamma Chapter Grants
2020	Pediatrics
2019 - 2020	Psychology, Health & Medicine
2018 - 2020	Critical Care Nurse
2017 - present	Society of Pediatric Nurses, Research and EBP Grant
2016 - present	Journal of Pediatric Nursing
2016	Journal of Stress Physiology & Biochemistry
2013 - present	National Association of Neonatal Nurses, Small Grants
2011 - present	Journal for Specialists in Pediatric Nursing

PROFESSIONAL MEMBERSHIPS

American Nurses Association (#-3588954)

American Organization of Nurse Leaders (#8022850776)
 Iowa Association of Neonatal Nurses (#10242)
 Iowa Nurses Association (#03588954)
 Iowa Organization of Nurse Leaders
 Midwest Nursing Research Society (#55403)
 National Association of Neonatal Nurses (#00115838)
 National Association of Pediatric Nurse Practitioners (#40160)
 Pediatric Nurse Scientist Collaborative
 Sigma Theta Tau International Honor Society of Nursing (Sigma), Gamma Chapter (#0097722)

HONORS AND AWARDS

2023	American Journal of Nursing 2022 Book of the Year 2nd place, Nursing Research <i>Evidence-based practice in action: Comprehensive strategies, tools, and tips from the University of Iowa Hospitals & Clinics</i> (2nd ed.). Indianapolis, IN: Sigma Theta Tau International.
2022	Improving Our Workplace Aware (IOWA) University of Iowa, Iowa City, IA
2020 - 2021	Mayday Pain & Society Fellowship: Communicating Science & Improving Care Program
2020	Improving Our Workplace Award (IOWA) University of Iowa, Iowa City, IA
2019	Inducted, Fellow in the American Academy of Nursing 2019 Transforming Health, Driving Policy Conference, American Academy of Nursing, Washington DC.
2019	American Journal of Nursing 2018 Book of the Year 2nd place, Nursing Education/Continuing Education/Professional Development <i>Evidence-based practice in action: Comprehensive strategies, tools, and tips from the University of Iowa Hospitals & Clinics</i> . Indianapolis, IN: Sigma Theta Tau International.
2017 - 2018	Executive Leadership Academy (selected through competitive process) University of Iowa Health Care Learning and Development, Iowa City, IA
2017	Midwest Nursing Research Society Research thru Academic – Clinical Partnership RIG Outstanding Partnership Award University of Iowa College of Nursing and University of Iowa Hospitals & Clinics, Department of Nursing Services and Patient Care Research Award Sigma Theta Tau International, Gamma Chapter Induction Ceremony, Iowa City, IA
2016 - 2017	GOLDrush Crowdfunding (selected through competitive process) University of Iowa, Center for Advancement and Office of the Vice President for Research and Economic Development
2016	Conduct of Research Poster Award Nursing Recognition Day, University of Iowa Hospitals & Clinics, Iowa City, IA Faculty Innovators Program (selected through competitive process) University of Iowa, Research and Economic Development, Iowa City, IA Marita G. Titler Conduct of Research Poster Award 2016 National Evidence-Based Practice Conference, University of Iowa Hospitals & Clinics, Iowa City, IA

- 2014** **Magnet Prize™** (application co-author)
Blazing New Trails in EBP
Awarded to the Department of Nursing Services and Patient Care, University of Iowa Hospitals & Clinics, American Nurses Credentialing Center, Dallas, TX
- 2013** **100 Great Iowa Nurses**
100 Great Iowa Nurses, Coralville, IA
- 2010** **March of Dimes Graduate Nursing Scholarship**
March of Dimes, White Plains, NY
- Murtis and Andy Smith Scholarship**
University of Iowa College of Nursing, Iowa City, IA
- Outstanding Research Poster Award**
Society of Pediatric Nurses Annual Convention, Milwaukee, WI
- Youth Bereavement Volunteer of the Year Award**
Iowa City Hospice, Iowa City, IA
- 2002** **Above and Beyond Award**
University of Iowa Hospitals & Clinics, Iowa City, IA
- 1995** **Outstanding Masters Student Poster-Honorable Mention**
Midwest Nursing Research Society, Kansas City, KS
- 1992** **Completed Research Recognition Award**
Pediatric Nursing, Washington, DC