**Contents**

**Technologies, Nursing & Health**

1. **From the Editor: Appropriate Technologies**  
   Peggy L. Chinn, PhD, RN, FAAN

3. **Electronic Documentation and Nurse-Patient Interaction**  
   Cynthia A. Gaudet, PhD, RN, CNE

15. **Designing Technology to Address Parent Uncertainty in Childhood Cancer**  
    Caroline F. Morrison, MSN, RN, Lauren Szulczewski, PsyD,  
    Laura F. Strahlendorf, BS, J. Blake Lane, BFA, Larry L. Mullins, PhD, and  
    Ahna L.H. Pai, PhD

26. **Empowered Consumers and the Health Care Team: A Dynamic Model of Health Informatics**  
    Peggy J. Mancuso, PhD, RN, CNM, and Sahiti Myneni, PhD

38. **Mindful Communication for Caring Online**  
    Kathleen Sitzman, PhD, RN, CNE, ANFE

48. **On Virtual Presence**  
    Valarie S. Grumme, MSN, RN, CCRN, Charlotte D. Barry, PhD, RN, NCSN, FAAN,  
    Shirley C. Gordon, PhD, RN, NCSN, and Marilyn A. Ray, PhD, RN, CTN-A, FAAN

60. **Cyberbullying in Adolescence: A Concept Analysis**  
    Elizabeth Hutson, MS, RN, PMHNP-BC

71. **Gossamer Threads: Commentary on the Impact of Digital Technology on the Developing Brain and the Capacity for Empathy**  
    Pamela Bjorklund, PhD, APRN, CNS-BC, PMHNP-BC

**General Topic Articles**

85. **Partnership With Parents of Technology-Dependent Children: Clarification of the Concept**  
    Michele A. Mendes, PhD, RN, CPN

94. **Information for Authors**
E1  The Evolution of Data-Information-Knowledge-Wisdom in Nursing Informatics
Charlene Ronquillo, MSN, RN, Leanne M. Currie, PhD, RN, and Paddy Rodney, PhD, RN

This article presents an examination of assumptions of linearity and hierarchy, and an exploration of the implicit philosophical grounding of the data-information-knowledge-wisdom (DIKW) model. Two guiding questions are considered: 1) Does DIKW serve clinical information systems, nurses, or both? and 2) What level of theory does DIKW occupy? The DIKW model has been valuable in advancing the independent field of nursing informatics. We offer that if the model is to continue to move forward, its role and functions must be explicitly addressed.

www.advancesinnursingscience.com

E19  Transnationalism: A Framework for Advancing Nursing Research With Contemporary Immigrants
Marie-Anne S. Rosemberg, PhD, RN, Doris M. Boutain, PhD, RN, and Selina A. Mohammed, PhD, MPH, RN

This article advances nursing research by presenting transnationalism as a framework for inquiry with contemporary immigrants. Transnationalism occurs when immigrants maintain relationships that transcend the geographical borders of their origin and host countries. Immigrants use those relationships to experience health differently within concurrent socioeconomic, political and cultural contexts than national situated populations. Nurse researchers are called upon to consider these trans-border relationships when exploring the health of contemporary immigrants.

www.advancesinnursingscience.com

E29  Coding, Constant Comparisons, and Core Categories: A Worked Example for Novice Constructivist Grounded Theorists
Tracey Giles, PhD, MNg, MACN, GradCertHDN, RN, Sheryl de Lacey, PhD, MA, BAppSc, RN, and Eimear Muir-Cochrane, PhD, FACMHN, MNS, BSc (Hons) RN, Grad Dip Adult Ed

This paper provides a worked example of the data analysis phase of a constructivist grounded theory study that examined family presence during resuscitation in acute healthcare settings. Core grounded theory methods are exemplified, including initial and focused coding, constant comparative analysis, memo writing, theoretical sampling and theoretical saturation. The article traces the construction of the core category ‘Conditional Permission’ from initial and focused codes, subcategories and properties, through to its position in the final substantive grounded theory.

www.advancesinnursingscience.com