

Title:

SPECIAL SESSION AND LIVE Q&A: Nursing Informatics Research Leadership: International Successes and Opportunities

Keywords:

Big data, Informatics and Research

Description/Overview:

Nursing knowledge and big data science methods have proven to be critical components of the advancement and transformation of health care delivery, and the ability of data to represent a more comprehensive experience of the patients as well as value of nursing, including social determinants of health.

References:

- Delaney, C. W., Weaver, C. A., Warren, J. J., Clancy, T. R., Simpson, R. L. (2017). *Big Data-enabled nursing: Education, research and practice* (Health informatics). Springer.
- Delaney, C. W., & Weaver, C. (2019). The 7th Nursing Knowledge: Big Data Conference Brings Remarkable Accomplishments and Shows Staying Power on Key Fronts. *CIN: Computers, Informatics, Nursing*, 37(9), 444-445.
- Park, J. I., Bliss, D. Z., Chi, C. L., Delaney, C. W., & Westra, B. L. (2020). Knowledge Discovery With Machine Learning for Hospital-Acquired Catheter-Associated Urinary Tract Infections. *Computers, informatics, nursing: CIN*, 38(1), 28.
- Delaney, C. W., & Weaver, C. (2018). 2018 Nursing Knowledge Big Data Science Initiative. *CIN: Computers, Informatics, Nursing*, 36(10), 473-474.
- Monsen, K. A. (2020). Rapid development and deployment of an international Omaha System evidence-based guideline to support the COVID-19 response, *CIN: Computers, Informatics, Nursing*. 38, 5, 224-226 doi: 10.1097/CIN.0000000000000648
- Kessler, P., Monsen, K. A., Lu, S.-C., Kreitzer, M. J., (2020). Validating standardized integrative nursing guidelines for symptom management, *EC Nursing and Healthcare*, 2, 2
- Bjarnadottir, R. I., Martin, C. L., Maganti, S., Hoffman, M., & Monsen, K. A. (2020). Discovering the value of the Omaha System for knowledge representation and data classification: A semantics-powered text mining case study. *SAGE Research Methods Cases: Medicine and Health*. doi:10.4135/9781529730555
- Kerr, M. J., Gargantua, R., Glavin, K., Honey, M., Nahcivan, N., Secginli, S., Martin, K. S., & Monsen, K. A. (2019). Feasibility of describing community strengths relative to Omaha System concepts. *Public Health Nursing*, 36, 245-253. doi10.1111/phn.12558
- Bose, E., Maganti, S., Bowles, K. H., Brueshoff, B. L., & Monsen, K. A. (2019). Machine learning methods for identifying critical data elements in nursing documentation. *Nursing Research*, 68(1), 65-72.

- Yas, M. A., Secginli, S., Mathiason, M. A., & Monsen, K. A. (2019). Method development for describing content of multitasked interventions using the Omaha System. *Research and Theory for Nursing Practice*, 33(2), 147-168.

Organizer

Karen Monsen, PhD, RN, FAMIA, FAAN
University of Minnesota
School of Nursing
Professor
Minneapolis, Minnesota
USA

Author Summary: Karen Monsen is Professor and Chair of the Population Health and Systems Cooperative at the University of Minnesota School of Nursing, where she directs the Center for Nursing Informatics and coordinates the Nursing Informatics DNP Specialty. She directs the Omaha System Partnership, a practice-based research network and data collaborative, within the Center for Nursing Informatics.

Organizer

Connie Delaney, PhD, RN, FAAN, FACMI, RN, PhD
University of Minnesota
School of Nursing
Dean and Professor
Minneapolis, Minnesota
USA