Preconference – June 1, 2016

Preconference
The purpose of the preconference is to provide exemplars and hands-on experience. Using examples provided, participants will learn about using nursing data for big data science and the function it plays in the global agenda for improving health and health care. Each participant will be able to attend two unique breakout sessions – each breakout session is 3.5 hours.

7 a.m. Registration/ Breakfast
8 a.m. Overview of the Day
8:30 a.m. Breakout Session – Choose one of the three breakout sessions
10 a.m. Break
10:15 a.m. Continue with Breakout Session
Noon Lunch
1 p.m. Breakout Session – Choose one of the three breakout sessions
2:30 p.m. Break
2:15 p.m. Continue with Breakout Session
4:30 p.m. Wrap Up

Breakout Session: Mapping LOINC and SNOMED-CT to EHR Data – Susan Matney, PhD, RN, FAAN
Provide an understanding of the structure and use of LOINC and SNOMED CT for structured data initiatives, the type of data mapped to each terminology and tools commonly used. Gain an understanding of the challenges and solutions for mapping content using data standard tools.

Breakout Session: Barriers and Implementation Strategies for Big Data and Data Analytics in Health Care – Judith Warren, PhD, RN, FAAN, FACMI
Explore barriers in developing a program for using Big Data and conducting data analytics. Various strategies will be examined to overcome barriers and brainstorm the application of these to their organization. Action plans will be developed by participants.

Breakout Session: Pattern Detection In Big Data For Knowledge Discovery – Bonnie L. Westra, PhD, RN, FAAN, FACMI & Karen Monsen, PhD, RN, FAAN
Learn about methodologies for detecting novel patterns in big data. Relate data capture in practice to enable Big Data Science. Critically analyze nursing studies that use Big Data Science methodologies. Develop an outline to apply Big Data Science to a research question of importance to you.