Introduction to Health Informatics & Nursing

Resources

Informatics

Definitions

Informatics - the science and art of turning data into information.

National Library of Medicine Health Informatics - is "the interdisciplinary study of the design, development, adoption and application of IT-based innovations in healthcare services delivery, management and planning."

American Nurse Association Nursing Informatics - *"a specialty that integrates nursing science, computer science, and information science to manage and communicate data, information, knowledge, and wisdom in nursing practice."*

American Medical Informatics Association Nursing Informatics – *"the science and practice (that) integrates nursing, its information and knowledge, with management of information and communication technologies to promote the health of people, families, and communities worldwide."*

Data - discrete elements that can be described objectively without interpretation

Information - data that has been interpreted, organized, structured, and analyzed for patterns

Knowledge - the synthesis of information to identify relationships.

Wisdom - is the application of knowledge to the management and solution of human problems.

NLN – National League of Nurses

HIMSS – Healthcare Information and Management Systems Society. US not-for-profit organization dedicated to promoting a better understanding of health care information and management systems.

T.I.G.E.R – Technology Information Guiding Education Reform. A group of nursing stakeholders formed in 2004 to develop a shared vision, strategy, and specific actions for improving nursing practice, education, and the delivery of patient care through the use of health information technology. In 2006, a summit of these stakeholders was held that produce several recommendations.

QSEN – Quality and Safety Education for Nurses. An initiative by the Robert Wood Johnson foundation to better prepare future nurses with knowledge, skills, and attitudes. Six competencies were identified with one of those competencies being Health Informatics.

Links

T.I.G.E.R – www.tigersummit.com

HIMSS – www.himss.org

American Nurse Association Practice Scope and standards of Practice for Nursing Informatics - http://nursingworld.org/HomepageCategory/NursingInsider/Archive_1/2008NI/Jan08NI/RevisedNursingInformaticsPracticeScopeandStandardsofPractice.html

National League of Nursing Position paper on Nursing Informatics - http://www.nln.org/aboutnln/PositionStatements/informatics_052808.pdf

American Medical Informatics Association work group on Nursing Informatics - http://www.amia.org/programs/working-groups/nursing-informatics

National Library of Medicine's definition of Informatics - http://www.nlm.nih.gov/hsrinfo/informatics.html

References

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National Library of Medicine's definition of Nursing Informatics: <http://www.nlm.nih.gov/hsrinfo/informatics.html>

Nelson, R. (2002), Major theories supporting health care informatics. In S. Englebart & R. Nelson (Eds.), *Health care informatics: An interdisciplinary approach* (pp. 3-27). St Louis, MO: Mosby-Year Book.

AMIA definition of nursing informatics: IMIA Special Interest Group on Nursing Informatics 2009 retreived from <http://imianews.wordpress.com/2009/08/24/imia-ni-definition-of-nursing-informatics-updated/>

ANA definition of nursing informatics: ANA Practice Scope and standards of Practice for Nursing Informatics 2008, P1 retrieved from <http://nursingworld.org/HomepageCategory/NursingInsider/Archive_1/2008NI/Jan08NI/RevisedNursingInformaticsPracticeScopeandStandardsofPractice.html>