Clinical Informatics
Nursing Informatics Perspective

We Are the CHANGE!

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Outcomes

- Summarize the history of clinical informatics
- Compare definitions between different organizations
- Recommend opportunities for involvement
- Explain preparation for new role(s)
Nursing Informatics (1950s – Present Day)

- 1950s
- 1960s
- 1970s
- 1980s
- 1990s
- 21st Century
Nursing Informatics in Early Years (1950s – 1960s)
Early Pioneer (1950s)

Harriet Werley
Nursing Informatics (1970s)
Early Pioneers (1970)

Dr. Virginia Saba
Nursing Informatics Publications (1980s)
Sweeney, M. A., O'Malley, M., & Freeman, E. (1982). Development of a computer simulation to evaluate the clinical performance of nursing students. *Journal of Nursing Education*


Nursing Informatics Technology (1990s)
Nursing Informatics: Defined

Graves and Corcoran
“A combination of computer science, information science and nursing science designed to assist in the management and processing of nursing data, information and knowledge to support the practice of nursing and the delivery of nursing care”

ANA
“The specialty that integrates nursing science, computer science and information science in identifying, collecting, processing and managing data and information to support nursing practice, administration, education, research and the expansion of nursing knowledge”

AMIA
Nursing Informatics is the "science and practice (that) integrates nursing, its information and knowledge, with information and communication technologies to promote the health of people, families, and communities worldwide.”

HIMSS and ANA
Nursing informatics (NI) is the specialty that integrates nursing science with multiple information and analytical sciences to identify, define, manage and communicate data, information, knowledge and wisdom in nursing practice.
Nursing Informatics: Organizations

AMIA nursing-informatics history project

American Nursing Informatics Association
Nursing Informatics (getting involved)

- Volunteer for projects within the organization
- Become a Super User
- Volunteer to be chart auditor (once EHR is implemented)
- Learn about nursing informatics
- Join professional organizations
- Attend classes, conferences and workshops
- Develop project management skills
- Review their resume – technical skills
Requirements to be an Nurse Informatics Specialist

• Licensed as an RN many facilities will require a BSN
• Clinical Experience
• Certification – requires 2 years experience and 30 hrs. CEs
• MSN or Master's Degree in other informatics
• PhD or DNP in Nursing Informatics
Nursing Informatics: Roles

- Project Manager
- Researcher
- Outcomes Manager
- Clinical Analyst
- Consultant
- Educator
- Chief Information Officers
- Product Developer

Nursing Informatics Specialist
Conclusion

- Brief history of nursing informatics
- Defined NI
- Organization
- Experience and Education required
- Roles for nurses in informatics


References cont.


https://www.ania.org/sites/default/files/assets/documents/history.pdf


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Questions