Leadership Roles in Nursing Informatics
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Objectives
- Describe emerging roles in Nursing Informatics to support key HIT initiatives throughout Texas.
- Discuss the importance of the Nursing Informatics leadership role in educating and informing nursing and healthcare leaders in use of EHRs and other technologies.
- Identify ways in which Nursing Informaticists contribute to adoption and optimization of the EHR and other technologies.

Definition of Nursing Informatics
A specialty that integrates nursing science, computer science, and information science to manage and communicate data, information, and knowledge in nursing practice.

ANA, 2001
WHY NURSING INFORMATICS
- NI has been an emerging discipline since the 1960’s, but has become more and more prominent since the 1990’s.
- NI Certification through ANCC since the 1994.
- 708 RN’s certified in NI in 2008
- 8000 RN’s in Nursing Informatics – 2004
- At least 75% of Nursing Informaticists are developing or implementing clinical systems, primarily within IT (Information Technology).
- However, more expanded and advanced clinical roles NI roles in Nursing are starting to emerge.

What Others are Saying
- “Nationwide, CIOs are in consensus: the success of large IT implementations will depend not only on the willingness of floor nurses to accept new technology, but also on the strength of the IS – nursing executive management connection.”
- “CIOs across the country are finding that getting CNOs and other top nursing executives to take ownership of clinical information systems initiatives is no longer a luxury, but a necessity.”
- “Virtually every hospital or health system that is succeeding with its clinical IT rollouts has hired or internally promoted a chief clinical informatics officer of some sort.”
- “The clinical informaticist executive job is becoming one of the hottest positions in the industry, and executive recruiters are having a hard time keeping up with the demand.”
- “I’m a translator and interpreter.”
- “CNO” role, because it encompasses implementation, optimization, training, change management.
  Nurse Leader 2008

Nursing Informaticists are key in Healthcare Organizations for managing federal initiatives and other emerging technologies
- EMR
- Meaningful Use
- Mobile Health / Health Home
- Telemedicine
- Health Information Exchanges
- Accountable Care Organizations
- Clinical Decision Support
- Clinical Business Intelligence
Global Access Through EHR

Overview of NI Role

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<th>EMR Optimization</th>
<th>EHR Related Projects</th>
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Technology integrated with Clinical Practice

Nursing Leadership – Considerations for Nursing Informatics

- Need to commit frontline staff with NI skills for implementation and ongoing support.
  - SuperUsers
  - Trainers
- Subject Matter Experts
- Advance new roles for Nursing Informatics within the nursing department to provide collaboration between Nursing and IT.
- Support of education and training for staff to learn and maintain skills and knowledge with technology.
- Repurposing of staff to accommodate changes in roles, i.e., US and order processing.
Nurse Leader Role

- Expanded role now encompasses use of technology in all aspects of Nursing Leadership.
- Nurse leaders need to understand the integration of the regulatory requirements, the technology, and impact on clinical practice.
- Outcomes driven approach to care, especially through management of reporting and dashboards.
- Foster interdisciplinary collaboration.
- Ability to see beyond the walls—integrated health care delivery models; accountable care organizations.
- Represent Nursing voice both within the organization and globally, through involvement in local, state and national committees.

Effect of Technology on Nursing

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<th>Opportunities</th>
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<td>Better outcomes and reporting of outcomes</td>
<td>Adoption may be slow.</td>
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<td>ROI expressed in terms of quality and safety—</td>
<td>Significant resources needed to implement and</td>
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<td>not reduction in FTE's.</td>
<td>maintain and optimize</td>
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<td>Improved quality, processes and efficiencies</td>
<td>Requires increased amount of coordination of</td>
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<td>Better collaboration among caregivers,</td>
<td>care. May need to repurpose some roles to account</td>
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<td>including physicians</td>
<td>for some loss of responsibilities; i.e.: order</td>
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References

- HIMSS Adoption Model—HIMSS 2009.
Statewide Nursing Approach to HIT

- Creation of educational content and dissemination
- Campaign to Raise Awareness
- HIT CNE for practicing nurses
- Nursing HIT curriculum development
- Constituent involvement (incl. TIGER)
- Benchmarking Reports Towards Progress
- Formation of Advisory Structure

Recommendations  Potential Strategy

Questions/Discussion

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