LEADING THE TECHNOLOGY CHARGE: THE STUDENT PERSPECTIVE
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LEARNER OBJECTIVES

Upon completion of this educational activity, the learner will be able to...

- Discuss the role of health information technology in nursing.
- Describe the trends in health care reform that are driving changes in health information technology.
- Explore future initiatives and opportunities for leadership in nursing and use of health information technology.
SHIFTING PARADIGMS IN HEALTH CARE


<table>
<thead>
<tr>
<th>20th Century</th>
<th>21st Century</th>
<th>Role of Health Info Technology (HIT)</th>
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</thead>
<tbody>
<tr>
<td>Care episodic</td>
<td>Integrated delivery systems; managed transitions</td>
<td>Nurses need to help design and use integrated delivery system software; and managed transition software</td>
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<tr>
<td>Fee for service</td>
<td>Quality payment; bundled services</td>
<td>Nurses need to understand how service &amp; quality data is gathered; analyzed and linked to payments</td>
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<td>Process focused (what the provider does)</td>
<td>Outcomes focused (value of what is done)</td>
<td>APNs needed to translate quality data to the bedside nurse; help develop/test predictive models for readmission; how to promote patient use of cheaper services</td>
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<td>Focus of care shaped largely by expertise of providers</td>
<td>Focus of care shaped increasingly by evidence-based protocols</td>
<td>Nurses see and work with clinical reminder systems and practice bundles embedded into EHRs; more research is needed to determine whether use of clinical reminder systems improves practice &amp; patient outcomes</td>
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<tr>
<td>Workaround s/variation the norm</td>
<td>Wring out unnecessary variation</td>
<td>Faculty/Nurse teams need to study various ways to reduce practice variation via health info systems</td>
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<tr>
<td>Care is time &amp; place bound</td>
<td>No time/place limitations</td>
<td>Nurses experience various consumer-focused apps aimed at bringing health care to where patients live, work and play and study the effectiveness of various consumer apps to improve health outcomes</td>
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# Shifting Paradigms in Health Care


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<td>Nurse supports primary care provider</td>
<td>Nurse is primary care provider</td>
<td>APNs increasingly using CPOE and their expertise to provide PC &amp; hospitalist services.</td>
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<tr>
<td>Organized into hierarchical professional silos</td>
<td>Team-based care</td>
<td>APNs needed to lead care teams use of each other’s info to integrate care; need for accelerated IPE-simulation learning activities</td>
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<td>Emphasis on provider-patient relationship</td>
<td>Emphasis on improving context for provider-patient relationship</td>
<td>Nurses’ voice needed to design telehealth, email, iPhone apps that improve communication flow between patients &amp; their providers</td>
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National Drivers of Nursing’s Involvement in HIT

- Bush, in ‘04 highlighted need for every person to have EHR by 2014
- Health Information Technology for Economic & Clinical Health (HITECH) Act signed into law on 2/17/09.
- U.S. Bureau of Labor Statistics estimates need for 51,000 new health IT professionals
Other Important HIT Milestones

- IOM Reports in ‘91 & ’97
- Technology Informatics Guiding Education Reform Initiative (TIGER) started in ’04
- Quality & Safety Education for Nurses (QSEN)
- HIMSS

- Recommended all health professionals be migrated to digital age
- To enable full participation of nursing in the unfolding digital era in healthcare
- Competency KSA development in 6 areas including informatics
- Advancing best use of info for betterment of healthcare
EDUCATIONAL OPPORTUNITIES

- NI Graduate Certificate Program - 12 credit hours
- MS in Health Informatics - 36 cr hrs
- Clinician Leader Certificate program (1 year)
LEADERSHIP OPPORTUNITIES

As Angela McBride (2005, p. 188) states, “Information technology (IT) is not a panacea, and will not fulfill its promise unless it is harnessed in support of foundational values. That is why every nurse cannot afford to be unconnected to this transformation, but must take an active role in ensuring that IT is used in service to our profession's values. After all, we are knowledge workers.”

THANK YOU & Q&A

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