NURSING INFORMATICS COMPETENCIES 2030: ARE WE THERE YET?

Chamberlain University, College of Nursing

Introduction

This presentation details the informatics competencies recommended for nurses in all areas of practice, updates the state of competency achievement, identifies reasons for the current achievement and recommends additional informatics areas for the nursing workforce of 2030.

The Future of Nursing: Leading Change, Advancing Health (2010)

Purpose: Guide and strengthen the nursing profession, improve nursing care and enable nurses to lead healthcare reform **Prediction:** Significant change in nursing practice due to growth of healthcare informatics, computer-supported knowledge management, decision support and an increasingly pervasive digital workflow

Problem: Faculty, students and nurses are not prepared for the digital healthcare world

Methods

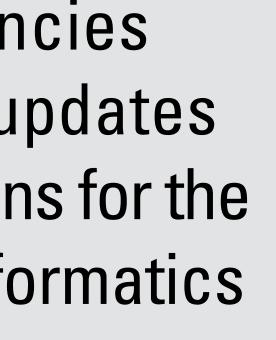
Critical review and analysis of the following:

- 2010 IOM report
- Nursing informatics competencies (NIC)
- Nursing and healthcare workforce for 2020 and beyond
- Informatics-related innovations

Synthesis of findings and implications

• Via small-group discussions among NI faculty

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Discussion

- 2020 almost here; yet, nurses have not uniformly attained nursing informatics competencies (NIC) recommended in the IOM report
- Technology is pervasive in healthcare, making it necessary that nurses at the basic level possess, strengthen, identify and attain new NI competencies
- Current research shows a need to meet basic NIC for faculty, students National Academies of Science, Engineering and Medicine, 2016)
- Nurses should align their NIC with their current practice environments
- Future practice environments will include technology advancements in healthcare, health information exchange (HIE), interdisciplinary practice and a global focus, which will impact future nursing informatics competencies (HIMSS,2017)
- It is important to continue to identify the current and future gaps in NI education to further support competency development

Conclusions

- Gaps remain in NIC among faculty at all nursing program levels, students and practicing nurses
- NIC identified for every practicing nurse in 2009 not yet present
- Much work is needed to attain 2030 healthcare workforce NIC

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and practicing nurses (Choi & De Martinis, 2013; Herbert & Conner, 2016;

Exemplar Current

- Microsoft Off
- Technology-n communicati patient care
- Library datab
- Validating pro
- Navigation of health record

Recommendations

- venues into the workplace
- and annual evaluations

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JIC	
	Future
ffice Suite skills mediated tion to support	 Access/Mobile/ Telehealth technology Access, evaluate, apply relevant data to patient care
base searches ofessional sources of the electronic d	 Statistical principles and analyses of outcome data Data/Implementation science Understand/Use big data findings

• Future NIC must be identified and mechanisms to develop those competencies applied to keep nursing practice current and effective Nursing informatics education must extend beyond higher education

 All nurses need continuing education on current and advancing nursing informatics competencies in order to practice to the fullest extent of their education and scope of practice

• NIC assessment should be included in hiring practices