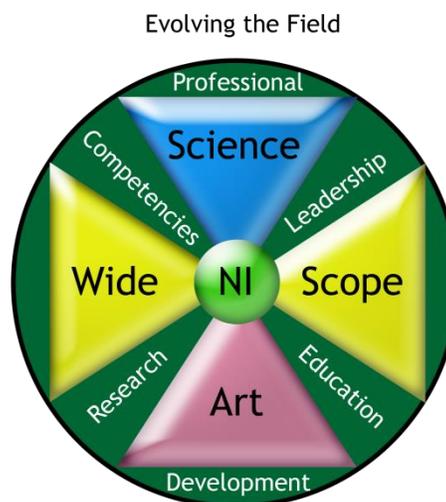


Technology and Informatics in the Workplace

OVERVIEW

Health information technology (HIT) and health or nursing informatics (NI) are important responsibilities for nurse leaders in the 21st century. Often, specific nurse leaders are hired to plan and implement HIT in hospitals, but nurse leaders must be involved to work with their staff nurses to coordinate and manage the day to day operations of the technology.

HIT refers to all aspects of technology used in healthcare ranging from electronic health records (EHR), telenursing, eHealth, right down to electronic IV pumps and thermometers. It also refers to the use of communication technologies such as email, internet searches, library databases, and use of social media.



Nursing Informatics 101 Model

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“Overall, HITs provide clinical support services, aid in medical decision making, increase an organization’s quality of patient care, and reduce medical errors. Specifically, technology such as a physician order-entry system also can increase timeliness and efficiency by providing a faster turnaround for tests and medication orders and can enhance patient safety through built-in alarms and warnings. Furthermore, patient electronic medical records (EMR) can increase communication and interoperability among medical facilities, expand consumers’ knowledge and responsibility for their own healthcare needs, and establish standardization within the healthcare industry.” (Szydłowski & Smith, 2009, p. 3 - 4).

LEARNING OUTCOMES

This learning activity is intended to provide the learner with the opportunity to:

- Outline the range of technologies and informatics tasks managed by nurse leaders
- Recognize the importance of change agency in the process of HIT implementation
- Identify strategies that nurse leaders can use to encourage nurse acceptance and use of adopted HITs.
- Analyze the importance of social media policies in health care.

PREPARATION

READ: Tupper, S., & Alexander, D. (2012). [Leading from the future: the nursing informatics executive](#). *CIN: Computers, Informatics, Nursing*, 30(3), 123-125.

READ: Hirsch, A. (2014). [Technology management strategies for nurse leaders](#). *Nursing Management*, 45(2), 41-43.

READ: Herrin-Griffith, D., & Cabibbo, T. (November 2013). [10 Leadership principles for IT activation](#). *Nursing Management*, 13-15.

READ: Beard, E. (2013). [Nurse Leaders and the Use of Social Media: Becoming Literate to Lead](#). *Nurse Leader*, 11(6), 38-40.

VIEW VIDEO: Health Information Technology: Key to Quality Improvement
https://youtu.be/XbtTcT4Cl_k

VIEW VIDEO: Looking to Robots and Other Technology to Improve Health Care
<https://youtu.be/q8-S4lp9nQY>

VIEW VIDEO: The Future of Healthcare <https://youtu.be/jh5U5BnpGN8>

VIEW VIDEO: Healthcare Technology Outlook 2020 - Technology uptake
<https://youtu.be/totMfYaq8O8>

ONLINE ACTIVITIES

Nurse Leader Roles in HIT Forum

In the assigned Hirsch reading, the author encouraged nurse leaders to become cognizant and capable to work with HIT innovations. In the following quote, she outlines one critical reason for this need. In the Moodle forum, outline other reasons nurse leaders need this knowledge and ability. Also outline some proven strategies that they can use to build their knowledge (use all the readings to support your responses).



“Frequently, nurse leaders aren’t fully invested in this work, leaving content development, workflow redesign, and innovation explorations to nurse informaticists and others. Unfortunately, this leaves nurse leaders at a significant disadvantage. Nursing is now a multigenerational workforce and leaders need to be fluent in the language of technology to attract and retain nurses who’ve experienced advanced technologic solutions throughout their lives.” (Hirsch, 2014, p. 41). Comment constructively on at least one peer’s post.

Self-initiated PebblePad content #2

Select an item or two that you would like to share in your ePortfolio and add a text box below that discusses the significance of the topic to you, what you learned from it and how you plan to apply it to your nursing practice



REFLECTION

Why do nurse leaders resist learning about HIT and informatics?

What effect does this resistance have on nurse acceptance of technologies?

REFERENCES

Beard, E. (2013). Nurse Leaders and the Use of Social Media: Becoming Literate to Lead. *Nurse Leader*, 11(6), 38-40.

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Hirsch, A. (2014). Technology management strategies for nurse leaders. *Nursing Management*, 45(2), 41-43.

Szydlowski, S., & Smith, C. (2009). Perspectives from Nurse Leaders and Chief Information Officers on Health Information Technology Implementation. *Hospital Topics*, 87(1), 3-9.

Tupper, S., & Alexander, D. (2012). Leading from the future: the nursing informatics executive. *CIN: Computers, Informatics, Nursing*, 30(3), 123-125.