Introduction to Information Systems in Healthcare

Computer and Information Literate

1. **Which healthcare providers are challenged with becoming and staying computer and information literate to facilitate the delivery of safe, quality care? Select all that apply.**

   a. **Nurses**

   b. **Physical therapists**

   c. **Therapists**

   d. **Social workers**

   e. **Physicians**

Healthcare workers in every setting are being challenged with becoming and staying computer literate. Providers (physicians, advanced practice nurses), nurses, therapists, dietitians, social workers, etc. and various nonprofessionals need to be computer literate, and most of them need to be information literate. From a nursing standpoint, many organizations and other interested stakeholders have defined informatics competencies that are deemed essential to facilitate the delivery of safe, efficient care, and to add depth to their knowledge base.

Nursing Skills

2. **Which nursing skill involves integrating health information with computerized systems to increase information management and client safety?**
   a. **Informatics literacy**
   b. Data acquisition
   c. Information literacy
   d. Informatics wisdom

Informatics literacy involves integrating health information with computerized systems to increase information management and ensure patient safety. It enables the knowledge, skill, and attitude (KSA) to use technology to not only input information into a clinical system but also retrieve and manage the information to improve client safety and quality outcomes.

Nursing Informatics

3. **Nursing informatics concentrates on finding ways to impact which aspects of health care? Select all that apply.**
   a. **Improve information management**
   b. **Enhance safety and quality of care**
   c. **Improve communication**
   d. Increase costs

e. Improve efficiency

Nursing informatics concentrates on finding ways to improve information management and communication to improve efficiency, reduce costs (not increase cost), and ultimately enhance safety and quality of care.

Informatics Influences

4. **Integration of informatics influences which aspects of health care? Select all that apply.**
a. **Delivery of healthcare**
b. **How resources are managed**
c. Increases in staffing
d. **The function of interprofessional teams**

Remember, the ways in which care is delivered, resources are managed, and how interprofessional teams' function are all influenced by informatics. Informatics does not necessarily influence increases in staffing.

Technology Informatics Guiding Education Reform Initiative

5. **The technology informatics guiding education reform (TIGER) initiative was designed to use health information technology in nursing practice by focusing on which initiatives? Select all that apply.**
a. **Common vision and strategy in use of health information technology**
b. Practice standards in informatics.
c. **Ways to improve the delivery of patient care**
d. **Improve informatics knowledge and skills**

The TIGER Initiative, which is an acronym for Technology Informatics Guide Education Reform, was designed in 2004 with the goal of bringing together nurses to develop a common vision, strategies, and specific goals for the purpose of improving nursing practice, education, and the delivery of patient care using health information technology (IT) (HIMSS, 2016). From this group, recommendations were made for the creation of competencies, intended to guide practice. These competencies have been included in various programs throughout the country.

Reference

Healthcare Information & Management Systems Society (HIMSS). (2016). In HIMSS (Ed.), The TIGER initiative. https://www.himss.org/tiger-initiative-technology-and-health-informatics-education

Literacy

6. **What type of literacy using standardized terminology is required by the nurse documenting a client's plan of care in the electronic health record?**
a. Information literacy