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Which of the following illustrates the integration of informatics into a health care system to support cost containment?

- A. Offering free wireless internet access to visitors.
- B. Installing barcodes on medications with alerts for low supplies.
- C. Integrating an electronic health care record on a platform compatible with computers & tablets.

CLICK THE CARD TO FLIP IT

B

(This illustrates cost containment by allowing inventory management related to supply & demand, directly affecting management of medication & supply costs.)

CLICK THE ARROWS BELOW TO ADVANCE

Which of the following legislative acts stipulate that clients be allowed to see & make corrections to their health care records?

- A. Health Information Technology for Economic & Clinical Health (HITECH) Act.
- B. Health Information Portability & Accountability Act (HIPAA).
- C. American Recovery & Reinvestment Act (ARRA).

B

(one privacy rule of HIPAA is to establish client ownership of the health care record & allow for client-initiated corrections & amendments.)

1/30

Terms in this set (30)

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(one privacy rule of HIPAA is to establish client ownership of the health care record & allow for client-initiated corrections & amendments.)

Which of the following uses of technology would constitute a violation of HIPAA?

- A. Sharing a client's lab results with a consulting provider via email on the healthcare facility intranet.
- B. Charting client data on electronic health care record while at the bedside with family members present.
- C. Texting a picture of a client's wound from one nurse to another nurse related to wound care protocol.

C

(This is a violation of client confidentiality due to identifiable client assessment data shared outside the health care facility, even though the nurse sent the photo to another nurse related

to wound care protocol, this is not acceptable use of technology and violates HIPAA.)

A health facility recently opened a research department to collect & analyze data related to improve client outcomes. Which of the following examples represents integration of technology to support creation of scholarly knowledge?

- A. Administration of an online survey for new nurses post-orientation regarding satisfaction with teaching methods.
- B. Electronic collection of healing times of sacral wounds post-hyperbaric treatment, with and without antibiotic administration.
- C. Piloting an instant messaging system between hand-held computers for nursing & pharmacy.

B

(This supports research through data collection examining and intervention and comparison intervention. Technology supports the timely & accurate collection & analysis of data related directly to client outcomes. This helps support the creation of scholarly knowledge)

A nurse off duty receives a photo on her cell phone from a fellow nurse who is at work. The photo shows a celebrity receiving physical therapy. Which of the following actions should the nurse take first?

- A. Make factual notes of the event that occurred.
- B. Notify the nursing administration, explaining who sent the

photo.

- C. Delete the photo.

C

(deleting the photo is the correct action to prevent further violation of HIPAA & is the first action for the nurse to take)

The Centers for Medicare & Medicaid Services electronically reports specific quality outcome measures based on data collected from hospitals. These data allow the public to compare hospitals that...

- A. have the best health care providers.
- B. have the most up to date surgical services.
- C. have a higher percentage of hospital acquired infections.

C

(hospital acquired infection is one of the quality outcome measures publicly reported by the Centers for Medicare & Medicaid Services -CMS- these measures hold hospitals accountable for client care & provide useful information to health care consumers when choosing hospital care)

Which of the following electronic resources should a nurse use to obtain clinical practice guidelines & interventions to reduce the risk of negative client outcomes while in a hospital?

- A. Center for Disease Control (CDC).
- B. Agency for Healthcare Research & Quality (AHRQ).
- C. Quality & Safety Education for Nursing (QSEN).

B

(AHRQ supports research designed to improve the quality of health care, including providing evidence-based guidelines.)

A nurse needs to determine the use of technology as an assistive device to facilitate discharge teaching for a client.

Which of the following represents an appropriate application of technology in this situation? (select all that apply)

- A. Using translation software for a Spanish speaking client who has a new diagnosis of acute renal failure.
- B. Providing instruction for access to the facility's free wireless internet.
- C. Supplying the link to a website with a video demonstrating home care for client after a knee arthroplasty.
- D. Explaining the use of automatic email reminders to increase medication compliance.
- E. Accessing an iPad to review side effects of medications with a client.

A

C

D

E

(facilitates nurse & client communication regarding discharge teaching through integration of technology)

Which of the following illustrates the use of technology to improve communication with a client who is cognitively impaired?

- A. Provide the client with an online video as a teaching aid that allows multiple viewings.
- B. Use an electronic drawing screen allowing the client to create pictures during an assessment.
- C. Offer translation software to the client.

B

(when a client has cognitive impairment, understanding & reactions are often diminished. allowing the client to communicate through use of pictures is effective)

Which of the following support the integration of informatics into nursing practice to support safety in client care? (select all that apply)

- A. Embedded medication alters for side effects in an electronic health care record.
- B. Immediate access to digital x-rays.
- C. Use of phones that connect directly to an assigned nurse for clients.
- D. Integration of telehealth to follow up with clients in rural locations.
- E. Wireless internet access for clients from the health care facility.

A

B

C

D

(All promote safe, effective nursing care through notifications to

prevent medical errors & enhanced communication within & outside the health care facility)

A nurse should recognize that to be a meaningful user of electronic health records, he should do which of the following?

A. Develop all nursing care plans from the choices listed in the electronic health record.

B. Respond appropriately to all clinical decision making support systems & alerts.

C. Search all possible electronic data locations to retrieve client health information.

B

(clinical decision making support systems use automated guidelines & alerts to help nurses prevent errors & assist with improved decision making)

A newly licensed nurse is expected to do which of the following?

A. Assess the use of technology by peers & clients in the clinical setting.

B. Use technology to obtain information about unfamiliar procedures.

C. Integrate nursing knowledge and information technology to advance the science of nursing.

B

(a newly licensed nurse should be able to use technology to obtain information about unfamiliar procedures)

Which of the following is a standardized tool used to outline daily nursing care to clients who have common needs or medical conditions?

- A. Concept map.
- B. Critical pathway.
- C. Protocol.

B

(a critical pathway defines the sequence of care that must be given on each day during the projected length of stay for the specific type of condition)

The primary goal of nursing informatics is to do which of the following?

- A. Improve health by optimizing information management & communication.
- B. Provide a scientific basis for nursing & access to evidenced based practice guidelines.
- C. Identify & quantify nursing interventions.

A

(the primary goal of NI is to improve health care outcomes by allowing nurses & healthcare providers to access, evaluate & use best practice guidelines, scientific theories & research information)

An informatics nurse specialist may engage in numerous roles. Which of the following roles is specific to her qualifications?

- A. Project manager to design & implement updates to the electronic health record in a facility.

- B. Liaison between health care professionals, information technology department & administration.
- C. Data processing & reviewing statistics related to research programs.

B

(the informatics nurse specialist is expected to be able to "talk the talk" of NI & communicate the importance of information technology to an interdisciplinary team. The INS is expected to promote the effectiveness of information systems & revise existing systems to meet the needs of clinical staff)

Risks associated with the use of information technologies include which of the following?

- A. Compromising client & caregiver safety related to nursing care & health outcomes.
- B. Loss of electronic information due to glitches & external threats to security.
- C. Decreased dependence on traditional & trial & error when problems solving.

B

(the primary risk associated with the use of electronic health records & other information science technologies is the potential loss of information due to system errors, mechanical glitches & external security threats)

A new staff member asks a nurse what the abbreviation CDSS means. The correct response is...

- A. Clinical Decision Support System.

- B. Clinical Documentation Specific Systems.
- C. Communication Documentation Support System.

A

(clinical decision support systems use evidence based practice & clinical guidelines to assist physicians, nurses & others to make the best practice decisions based on client data)

The purpose of using critical pathways to help manage the care of clients who have specific clinical problems is to...

- A. Improve client outcomes by providing timely interventions.
- B. Increase variation of care to each individual client.
- C. Control the degree of standardization across populations.

A

(critical pathways are used by the interdisciplinary team to track a client's progress. the clinical pathway outlines assessments, interventions, treatments & outcomes for health-related conditions for a specified period of time)

When administering a client's medication, a nurse uses which of the following actions as the best way to reduce preventable medication errors?

- A. Scan the client's medication, ask the client to state her name & date of birth.
- B. Scan the client's medication, and scan the client's hospital identification armband.
- C. Visually verify the medication, and ask the client to state her name & date of birth.

C

(the nurse should visually verify the correct medication & dosage, as well as use 2 client identifiers before administering the medication. this is the best way to reduce preventable medication errors)

Confidential information in a secure network is most often breached by...

- A. hackers & others who enter the secure network from external systems.
- B. use of laptops, tablets, thumb drives or other portable devices.
- C. unauthorized access to & disclosure of information by authorized users.

C

(the most common breach in information security is caused by people who are authorized to use secure networks)

Which of the following terms describes the ability to access, evaluate & use electronic health information?

- A. Computer literacy.
- B. Health Literacy.
- C. Information literacy.

B

(health literacy is the ability to acquire, interpret & use health information for health promotion & restoration)

Which of the following factors limits the usefulness of electronic health care information for consumers?

- A. High cost of accessing reliable online resources.
- B. Rapid expansion of cable & DSL online providers.
- C. Lack of regulation for online health care resources.

C

(it is very easy for the consumer to access incomplete or incorrect information because online information is not regulated)

A nurse is teaching a consumer about appropriate website selection. Which of the following consumer statements indicates understanding of the teaching provided by the nurse?

- A. "I will need to provide personal information in order to get information from online sources."
- B. "I will need to find websites that are current so I know they provide accurate information."
- C. "I will need to find websites that use appropriate terminology."

C

(the use of appropriate terminology often indicates that the website has been developed by a well-informed or credible organization)

A nurse is trying to find ways to share evidence-based practice information with other staff members. Which of the following methods help engage others in translating evidence to practice?

- A. Joining a professional journal club.
- B. Encouraging other staff members to follow policies & procedures.
- C. Collaborating with an advanced practice nurse in the clinical setting.

A

(processional journal clubs provide opportunities for networking & sharing information)

The human-technology interface is hardware & software designed to do which of the following?

- A. Support human interaction with technology.
- B. Make technology work faster.
- C. Accommodate multiple computer users & programs.

A

(the human-technology interface includes devices that enable individuals with disabilities to use computers & health care technologies)

Which of the following statements explains why it is important that nurses learn to evaluate electronic & published health information?

- A. "I can use electronic information when teaching my clients."
- B. "I can improve my clients' outcomes by using current, accurate information."
- C. "I can identify addional areas of study or research by evaluating current information."

B

(It is important that professional nurses use EBP guidelines when caring for clients in order to improve client health care outcomes. The basis for these guidelines is accurate, current research information)

Which of the following factors should a nurse consider when determining whether she should make a change in personal nursing practice based on information found in Web-based resources?

- A. the website provides references for the information used to support the practice change.
- B. The website is reviewed every 6 months to make sure the information it reports is current.
- C. The website provides links to peer-reviewed information used to support the practice recommendation.

C

(Peer reviewed information should be used to support a recommendation for a change in nursing practice. this indicates that the information has been reviewed by a panel of experts & found to be valid & reliable.)

Which of the following factors is most likely to limit the usability of information technology because of the human-technology interface?

- A. Limited health & computer literacy levels.
- B. Size of keypads & screens for portable devices.
- C. Amount of memory (in gigabytes) in hand-held devices.

B

(the size of keypads & screens directly limits the usability of information technology through the human-technology interface)

Which of the following statements indicates that the nurse needs more education related to using electronic sources to promote consumer health literacy?

- A. "I can look for the HON or eHealth code when selecting websites to share with my clients."
- B. "I make sure the internal links in web-based sources are working before recommending them."
- C. "I can print the information from the website & share it with my clients."

C

(it is not always appropriate for the nurse to print website information to share with clients or other consumers. nurse need to follow legal guidelines & copyright protections when sharing information)

A newly licensed nurse is determining whether he should share information found in an electronic journal article with colleagues. Which of the following explains the importance of disseminating information found in current literature or electronic resources?

- A. Experienced clinicians can assist the new nurse in understanding the information.
- B. The nurse may have identified the need for a change in

practice based on current literature.

C. The nurse may lack the skill or knowledge to implement the change in practice that the article recommends.

B

(the new nurse is more likely to look for & find important information about nursing practice because he is actively trying to improve skills & knowledge in his new profession)

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