

Technology and Nursing Practice

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Current information management technology is playing a key role in preparing nurses for clinical practice in the twenty-first century through; vein finders; new technology as well as portable vein viewers make veins more visible thus saves a lot of problems and pain for both nurses and patients. According to Saba, (2001), informatics contribute to the discipline of nursing by connecting the art of nursing to the science of nursing. With telemedicine; nurses and doctors in hospitals around the world adopt robotic platforms that allow them to carry out communication with the rest of the staff as well as manage patient care in a remote manner. Also, most of the facilities keep using smartphones, teleconferences, and systems for remote access in order to get in touch with specialists from all over the world. Information management technology in healthcare is also used to track, remind and manage; new apps for tablets and smartphones help patient in tracking their health as well as managing chronic diseases and reminding them of taking medications which reduces world load for nurses and practitioners (Mastrian, 2011).

Future healthcare delivery has serious impacts on vulnerable populations. This is due to the fact that, even though the needs of populations that are medically vulnerable are serious, life-threatening and often debilitating, which makes them require intensive and extensive medical and non-medical services, their needs tend to be underestimated. For this problem to be taken care of, future healthcare delivery will be characterized by; additional investment which will be provided to develop, evaluate and support healthcare delivery models that are effective and made to meet particular needs of populations that are vulnerable; supporting of evaluation and development of measures of healthcare quality as well as measurement methods and payment to health plans (De & Anderson, 2016).

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Another impact on vulnerable populations would be lack of access to all of the technology that some hospitals offer. For instance, in my previous nursing job, I noticed this disadvantage with the utilization of telehealth. Since most of the populace cannot afford internet access or a car, a lot of times their conditions and illnesses go unmanaged until it is too late and they are admitted via ambulance. A benefit of Kelly health, especially to those patients with chronic illnesses, is that they are able to communicate with a healthcare provider via a computer screen or iPad. The healthcare writer is able to manage the patient's health in specific situations. For example, if the patient's legs are edematous, the nurse or physician could instruct the patient to elevate their lower extremities. Without access to telehealth, the patient might not know what to do and because they don't have a car or Internet, their edema could get worse causing them to go into CHF. Another example that I experienced working in an underserved area was the lack of certain medical equipment. We often had to send patients out to one of the city hospitals in order to have certain tests done. In turn, this usually prolonged a patient's time in the hospital, either worsening their condition or having fewer beds available for other patients who may need one

Health providers need to promote improved health as well as functional status and quality health care for all patients, up to and including vulnerable populations. Examples include; payment systems that are better aligned with quality care for populations that are vulnerable through being broadly based across providers' groups as well as related healthcare services and second, the federal government will convene stakeholders in high levels to determine the best way of implementing payments for Medicare that are risk-adjusted (De & Anderson, 2016).

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