

Analysis of Research and Technology in Nursing

Student Name

Institutional Affiliation

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In their everyday lives, nurses are required to make decisions that affect not just the health of the patients but also the health of families and communities served. Traditionally, the safety of patients has been focused on data analysis to identify issues that can be improved through new practice that paid little attention to research (Gordon, 2008). However, implementing the findings of research would serve well in ensuring safer care under evidence-based practices not just by individual nurses, but by nurse leaders as well. Consequently, the existing theory-practice gap will be reduced because through continued and innovative research, the constantly changing needs for evidence in direct practice will assist in redesigning evaluations and programmes for effectiveness (Gordon, 2008). Though theory is crucial in judging the best elements needed for practice, skills are even more efficient since they offer nurses the ability to effectively deliver theory.

As a nurse, I assist my colleagues in embracing and consuming nursing research through collaboration and engaging in discussions to identify the level and quality of evidence in a research study of interest, and in the determination of the applicability of such research in nursing practice (Polit & Beck, 2004). As a nurse, using the best level and high quality of research findings is crucial in ensuring that patients are cared for by competent nurses who make their health better. Additionally, the nurses benefit by positioning themselves as quality practitioners in the market, and are less likely to face litigation (Ellis, 2010). Furthermore, identifying the applicability of nursing research findings makes it possible to deal with recent trends in healthcare while ensuring that patients receive the best. In order to access newly developed research materials, we locate most of our evidence from CINAHL, MEDLINE, PsycINFO, The Cochrane Library, The 'Grey' Literature among others.

As a nurse, I am expected to demonstrate knowledge, ability, skill, and judgment in my decisions for the safety of the patient and ethical practice. This is possible through a combination of different competencies simultaneously, and also relies on client needs (Cherry & Jacob, 2014). In order to ensure ethical practice, self-regulation and professional responsibility, I will join a nursing research discussion group such as the National Institute of Nursing research (NINR). I will also champion the university to conduct a research to inform patients on the need for obtaining information by visiting health practitioners unlike using information publicly available over the internet. Most online resources offer unverifiable information that may not directly apply to all patients. One nursing issue that came to my attention is that I have to focus on community-based interdisciplinary approach to patients. Besides possessing specialized nursing knowledge, I need to integrate nursing knowledge with humanities, research, ethics, spirituality, primary health care principles and relational practice among others (Cherry & Jacob, 2014). Furthermore, I also need to increase use of diverse skills, problem-solving strategies, and critical thinking for effective interprofessional learning.

With increased growth of information and technology, changing health care systems, and numerous ethical, cultural, and legal elements of an always changing society, I experience increased demand for professional and personal responsibility and accountability. For instance, changes in the society require my ability to remain current through planned and ongoing professional development, such that I can manage complexities in practice through error lessening and greater consumer involvement. As a nurse, I understand that now there is flexible education, distant learning, and mobility programs that I can use to ensure continued professional and personal development. Though distant learning require ample time for on-campus classes, the flexibility of working hours as a nurse will enable me to balance between internet based

content and leave room for any extensive on-campus classes. Secondly, I believe that it is crucial to own smart, handy, point-of-care software for capturing and transferring data while permitting ordinary communication (Masters, 2014). Portable solutions with standardized processes and system integration improve patient safety (Bolton et al., 2008). For a nurse, using technology minimizes the burden linked to workflows of medical administration, documentation, ordering and securing equipment, and communication. Technology also elevates nurses' communication to allow team communication at the point-of-care while eliminating walking or travelling to another facility (Huston, 2013). Finally, I understand that with information systems gaining more acceptability into clinical transformation, patient confidentiality and privacy must be observed at all time. Integrating biomedical systems to require physiological scans for health care provide to access patient information is a great practice. My knowledge of systems, such as fingerprinting and retinal images, offers a great way to audit history of patient data access and a good way to manage the users that access any information at any given time. For the nurses, healthcare information systems prevent misuse of patient information (Bolton et al., 2008).

The best strategy to encourage nurses' participation in research and lifelong learning is allowing nurses to participate in research that align with their personal interests, but that falls within contemporary nursing issues. This permission should be coupled with research finding and awards to recognize the efforts of nurses in research.

The internet can highly contribute in improving nurses' participation in promoting research, especially through its role as a source of information from every corner of the world (Mastrian, 2011). In an environment where patient needs are constantly changing and getting more complex, nurses can use online forums to obtain solutions while depending on online-accessible research articles. Again, technology ensures that nurses can easily communicate with

each other over the internet through tools such as Skype, Viber, and Google hangouts to hold teleconferences where they can raise issues and offer solutions to other issues as well.

While patient needs continue to change, evidence based practice is becoming an inseparable part of nursing practice. Besides, depending on research findings from other researchers, nurses should be supported in becoming researchers themselves through funding and other incentives. This way, nurses will not just be consumers, but also produces of best nursing practices to guarantee high quality patient care and reliable health care services.

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