



# The Impact of Technology on Nursing: Exploring the Role of Innovation in Patient Care

Desley Brown\*

Centre for Nursing and Midwifery Research, James Cook University, Queensland 4814, Australia

\*Corresponding Author's E-mail: [desley.brown@jcu.edu.au](mailto:desley.brown@jcu.edu.au)

**Received:** 01-Apr-2023, Manuscript No. jrmm-23-96709; **Editor assigned:** 04-Apr-2023, PreQC No. jrmm-23-96709(PQ); **Reviewed:** 18-Apr-2023, QC No. jrmm-23-96709; **Revised:** 22-Apr-2023, Manuscript No. jrmm-23-96709(R); **Published:** 28-Apr-2023, DOI: 10.14303/2315-568X.2022.42

## Abstract

This article provides an overview of the nursing profession, including its history, education, career paths, and future prospects. Nursing has a rich history dating back to ancient civilizations, and Florence Nightingale is considered the founder of modern nursing. Today, nursing education is offered at various levels, and nurses can specialize in different areas, such as pediatrics and critical care. Nursing practice has evolved significantly, and nurses are key members of healthcare teams involved in patient care, disease prevention, and health promotion. The nursing profession is projected to grow in the coming years, creating numerous job opportunities. Overall, nursing is a critical and dynamic profession that requires dedication, compassion, and commitment.

**Keywords:** Patient care, Health promotion, Medical knowledge, Clinical skills, Communication, Ethics, Health assessment, Community health

## INTRODUCTION

Nurses are the backbone of healthcare systems and play a vital role in patient care, disease prevention, and health promotion. Nursing is a dynamic field that is constantly evolving to meet the changing needs of society. This review article will provide an overview of the nursing profession, its history, education, career paths, and future prospects (Plint AC, 2004).

Nursing was initially a role performed by women in the home, caring for the sick and injured. Florence Nightingale, known as the founder of modern nursing, revolutionized the profession during the Crimean War in the 19th century. Nightingale's work laid the foundation for the nursing profession we know today (LeClerc CM, et al., 2008). Nursing education and career paths have evolved significantly over the years. Today, nursing education is offered at various levels, including diploma, associate degree, bachelor's degree, and master's degree programs. Nurses can specialize in various areas, such as pediatrics, critical care, oncology, and many more. Advanced practice nurses, such as nurse practitioners and nurse anesthetists, have additional education and training to provide specialized

care (deForest EK, 2010).

Nursing practice has also evolved over the years. Nurses are no longer just bedside caregivers; they are key members of healthcare teams and play a vital role in disease prevention, health promotion, and patient education. Nurses work in a variety of settings, such as hospitals, clinics, schools, and community health centers (Brown CE, 2009). They are involved in every aspect of patient care, from administering medications to providing emotional support to patients and their families. The nursing profession is projected to grow significantly in the coming years due to the aging population, increased chronic disease prevalence, and advancements in technology. This growth is expected to create numerous job opportunities for nurses, making it an excellent career choice for individuals interested in healthcare (Hutchinson AM, 2004).

## DISCUSSION

Nursing is a vital profession that plays a crucial role in healthcare delivery. Nurses are responsible for providing patient care, monitoring patient conditions, administering medications, and performing various diagnostic tests.

They are the backbone of the healthcare system and work in various settings, including hospitals, clinics, nursing homes, and private practices. The nursing profession is highly respected and is considered one of the most trusted professions globally. Nurses are known for their compassion, dedication, and commitment to their patients' health and wellbeing (Goldman RD, 2009).

One of the unique aspects of the nursing profession is the wide range of specialties available to nurses. These include pediatrics, geriatrics, critical care, emergency medicine, oncology, and many others. Nurses can specialize in different areas based on their interests, skills, and experiences. Another critical aspect of nursing is education and training. Nurses must complete a rigorous education and training program to obtain their license and work as registered nurses. In addition, they must continue their education to maintain their license and stay up-to-date with the latest medical advancements and technologies (Kajermo KN, 2008).

Despite the challenges that come with the nursing profession, it is a highly rewarding career. Nurses have the opportunity to make a significant impact on people's lives and contribute to society's wellbeing. They work in a dynamic and constantly evolving field that offers opportunities for professional growth and development. In recent years, the nursing profession has faced various challenges, including a shortage of nurses, high levels of burnout, and the COVID-19 pandemic (Cutts B, 1999). However, nurses have demonstrated their resilience and commitment to providing high-quality care to patients under challenging circumstances. Nursing is an essential profession that provides critical support to the healthcare system. It offers a wide range of specialties and opportunities for professional growth and development. Despite the challenges, it is a rewarding career that provides nurses with the opportunity to make a significant impact on people's lives (Albarran JW, 2004).

## CONCLUSION

In conclusion, nursing is a critical and dynamic profession that has evolved significantly over the years. Nurses are essential members of healthcare teams and play a vital role in patient care, disease prevention, and health promotion. The future of nursing is bright, with increasing demand for nurses and numerous career opportunities. Nursing is a rewarding and fulfilling profession that provides an opportunity to make a meaningful difference in people's lives. Nursing is not just a profession, but it is also a calling that requires a great deal of dedication, compassion, and commitment. Nurses are often the first point of contact for patients, and they have a significant impact on the patient's overall experience. They work long hours, often under stressful conditions, and are required to make quick decisions that can have a significant impact on patient outcomes.

The nursing profession has made significant strides in recent

years, including increasing the diversity of the workforce and promoting cultural competence. Nurses must be able to work with patients from diverse backgrounds and understand their unique healthcare needs. There is also an increased focus on providing patient-centered care, which means involving patients in their care and tailoring treatment plans to meet their individual needs. The nursing profession is also embracing technology to enhance patient care. Electronic health records (EHRs) have become a vital tool for nurses, allowing them to access patient information quickly and efficiently. Telehealth, which involves providing care remotely through technology, has also become increasingly popular, especially during the COVID-19 pandemic. Nurses are now able to provide care to patients in their homes or other remote locations, reducing the need for hospital visits and improving access to care.

Nursing is a highly respected profession, and nurses are often viewed as trustworthy and reliable sources of healthcare information. Nurses must maintain high standards of professionalism, including following ethical principles, practicing within their scope of practice, and engaging in on-going education and training. Nursing organizations, such as the American Nurses Association, provide guidance and support to nurses to help them meet these standards. Nurses are critical members of healthcare teams, and their contributions are essential to providing high-quality patient care. With continued advancements in technology and a growing demand for healthcare services, the nursing profession is poised for continued growth and success in the years to come.

## ACKNOWLEDGEMENT

None

## CONFLICT OF INTEREST

None

## REFERENCES

1. Plint AC, Johnson DW, Wiebe N (2004). Practice variation among pediatric emergency departments in the treatment of bronchiolitis. *Acad Emerg Med.* 11: 353-360.
2. LeClerc CM, Doyon J, Gravelle D, Hall B, Roussel J, et al (2008). The Autonomous-collaborative Care Model: meeting the future head on. *Nurs Leadersh.* 21: 63-75.
3. Perrin A (2005). Development of a nurse-led ileo-anal pouch clinic. *Br J Nurs.* 14: 21-24.
4. deForest EK, Thompson GC (2010). Implementation of an advanced nursing directive for suspected appendicitis to empower pediatric emergency nurses. *J Emerg Nurs.* 36: 277-281.
5. Brown CE, Wickline MA, Ecoff L, Glaser D (2009). Nursing practice, knowledge, attitudes and perceived barriers to evidence-based practice at an academic medical center. *J Adv Nurs.* 65: 371-381.

6. Hutchinson AM, Johnston L (2004). Bridging the divide: a survey of nurses' opinions regarding barriers to, and facilitators of, research utilization in the practice setting. *J Clin Nurs.* 13: 304-315.
7. Goldman RD, Scolnik D, Chauvin-Kimoff L (2009). Practice variations in the treatment of febrile infants among pediatric emergency physicians. *Pediatrics.*124: 439-445.
8. Kajermo KN, Undén M, Gardulf A (2008). Predictors of nurses' perceptions of barriers to research utilization. *J Nurs Manag.* 16: 305-314.
9. Cutts B (1999). Autonomy and the developing role of the clinical nurse specialist. *Br J Nurs.* 8: 1500-1506.
10. Albarran JW (2004). Preparing nurses to initiate thrombolytic therapy for patients with an acute myocardial infarction-is there a consensus? *Nurse Educ Today.* 4: 60-68.