

INTRODUCTION ON FUTURISTIC TRENDS IN NURSING

Abstract

Nursing exists from the time of existence of human caring nature. From that ancient time to till being a full-fledged profession, Nursing came a long way and yet everyday expanding. The world is undergoing tremendous change due to scientific advancement, technological development and globalization. To cope with the changing nature of the world, health care sector is also changing as well as the nursing profession. Telemedicine, artificial intelligence, use of robotics, online courses, trans-cultural nursing are majorly developing trends with the global need. Research and evidence based practice is getting more importance in modern Nursing to develop the body of knowledge.

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I. INTRODUCTION

Nursing is an evolving profession. In today's world, healthcare system cannot be imagined without Nursing Service. As health is a prime part of human life, Nursing profession will be always integral to it and will be in high demand. With the changing nature of the world, globalization, technological influx, healthcare system is rapidly developing to adapt as well as the Nursing profession. It is altering as society changes, as health care emphasis and methods change, as life styles change and the nurses themselves changes. In the current nursing scenario, a person is considered as a whole in the dimensions of health and illness which interacts with family and community. Present philosophies and definitions also support this holistic point of view. Modern nursing is expanding the employment opportunities. It changes public perception and also has impact on politics and health policy.

II. MAJOR CAUSES WHICH IMPACT ON FUTURISTIC TRENDS IN NURSING

Following are the major causes which impacting the nursing profession trends:

- Technological Advancement:
- Specialized Knowledge:
- Global Shortage of Nurses:
- Research needs

1. Technological Advancement: Rapid development in science and technology is influencing our every part of life, whether it education, healthcare, service etc. It makes life easier than before and making the world global village. Due to rapid advancement in artificial intelligence and technology, it is integral in healthcare system for nurses to adapt with the continuing technological demand. It will impact on continuing nursing education and service. Technological advancement will lead to improvement in telemedicine, different online courses etc. Use of robotics will be more common in near future. Technological advancement provides huge amount of electrically generated data which can be further analyzed for better healthcare delivery. It will increase the scope for profession related to inspection of data example:

- Clinical informatics specialist
- Nursing informatics specialist
- Clinical analyst
- Clinical informatics manage
- Clinical informatics coordinator
- Nursing informatics analyst

2. Specialized Knowledge: Due to changing need of the healthcare profession, technological advancement, new research, it is very important have specialized knowledge. It leads to introduction of various certificates course may be online and offline.

3. Global shortage of Nurses: According to WHO, 27 million nurses accounts for nearly 50% of global workforce. Globe needs approximately 3 million nurses by the year 2030 to meet the sustainable development goal 3. International Council of Nurses (ICN) says

the worldwide shortage of nurses should be treated as a global health emergency. Increase in ageing population worldwide, shortage of nurses has major impact on future trends in nursing leading to more use of machines and robotics. There will be more job growth in nursing field in near future.

- 4. Research Needs:** Recent advancement in healthcare leads to knowledge gap which can be fulfilled by research. For a profession to grow and adapt with the current scenario, continuing research is inescapable for uplifting the knowledge. Evidence based practice and Nursing Research is getting more and more importance to fulfilling the gap. Various organization are providing funds for research. Different remuneration process are adapting to promote institutional research.

III. FUTURISTIC TRENDS IN NURSING

Futuristic trends in Nursing majorly can be discussed in three areas:

- Nursing Service
- Nursing Education and
- Nursing Research

- 1. Nursing Service:** Nursing Service majorly impact by manpower need, technology, artificial intelligence and demographic change.

- **Nurses will be in high demand:** Due to increase health care need, ageing nations, the demand of Nurses will be continue to high in future. According to the Bureau of Labor Statistics, “demand for nurse anesthetists, nurse midwives and nurse practitioners — positions known as advanced practice nurses — is expected to increase by 31 percent between 2014 and 2024, adding about 53,400 jobs to the market.”
- **Increasing leadership opportunity:** Due to global demand and shortage in nursing workforce there is huge possibility in Nursing leadership field.. Some job titles are - clinical nurse leader, nurse manager, nurse executive and nurse administrator.
- **Necessity of higher education and specialization:** Nurses needs to be more knowledgeable to adapt to the future scenario of health care system, for that continue up gradation while in service will be mandatory. More and more nurses are likely will choose to specialize that lead to a higher salary, including:
 - Assistant Nurse Manager
 - Case Management
 - Charge Nurse
 - Clinical Development Specialist
 - Healthcare Informatics
 - Infection Control
 - Nurse Educator
 - Quality Control

Also nurses needs to learn new language, adapt with new culture (trans-cultural nursing) to deliver care to persons with different culture.

- **More men entering to service:** As the stigma about the profession is vanishing, more men entering to the profession. In 1960, only 2% were male nurses in US; whereas it increases to 13% today.
 - **Informatics:** Artificial Intelligence and use of computer helps in generating a large data in healthcare sector. By analyzing these data bridge the knowledge gap in health care. Inspection of these data will be fertile ground for new professional are as follows:
 - Clinical informatics specialist
 - Nursing informatics specialist
 - Clinical analyst
 - Clinical informatics manage
 - Clinical informatics coordinator
 - Nursing informatics analyst
 - **Telemedicine:** Due to technological advancement, telemedicine is a majorly evolving area in healthcare. Various online portals, apps help to provide doorstep delivery of care in no time.
 - **Artificial intelligence:** Artificial Intelligence is reforming the health care. As the newer development is coming up, it will lead to more growth in this sector. Artificial Intelligence act as backbone in all the aspects of healthcare delivery system such as healthcare management, telemedicine, online learning, research etc.
2. **Nursing Education:** Nursing profession evolved and expand in terms of knowledge tremendously in last century. There are now specialized areas a nurse may chose to grow. Because of increase use of internet, technological advancement and changing nature of healthcare system, various online courses will be more feasible in near future. More specific areas will be evolved for nursing professionals. Some of these are:
- **Advanced Practice registered Nursing:** Today Nursing Education has ladder moving up from the ANM, diploma programme to the B.sc (N), P. Bs.c(N), M.sc (N), M.Phil (N) ,PhD& Post Doctoral programmes. Some of the extended training programme are a clinical nurse specialist (CNS), nurse practitioner (NP), nurse anesthetist (CNA), or certified nurse-midwife.
 - **Ambulatory Care Nursing:** Here, a Nurse delivers care outside the hospital setting wherever it is required. It helps in delivering care in doorstep as well as in remote areas.
 - **Cardiac Nursing:** As non-communicable diseases are increasing globally Cardiovascular diseases are more common. Cardiac Nurse deals with cardiovascular diseases.

- **Case Management Nurse:** These nurses give ongoing support to patients and decrease the hospitalization and helps in implement a treatment plan.
- **Critical Care Nursing:** Critical care nurses deliver care to the critically ill patient who needs close monitoring and care.
- **Dialysis Nursing:** Dialysis nurses deliver care for patients with dialysis, it may be peritoneal or haemodialysis.
- **Genetics Nursing:** Genetic nurses have in depth knowledge about pathology of gene and its role. They can assess family risk, research activity, genetic data analyzing etc. Moreover they are responsible for provide deliver care for patients with genetic disease.
- **Geriatric Nursing:** As the world has undergone various population control measures, now geriatric population increasing globally, hence the nursing needs. These nurses have more specialized knowledge to care for elderly patients.
- **Mental Health Nursing:** These Nurses deals with mental health, psychiatric, or behavioral disorders. They deliver support to these patients as well as their families too. They are also known as psychiatric Nurse.
- **Neonatal Nursing:** Neonatal nurses care infants in their early life's few weeks.
- **Oncology Nursing:** Oncology nurses care for patients with malignancy. As malignancy is increasing, scope of oncology nursing also emerging.
- **Pediatric Nursing:** Pediatric nurses deliver care for young children and their families. They have specialized knowledge regarding growth and development of a child, its normal and abnormal health condition.
- **Forensic nursing:** Forensic Nursing is also an emerging field which deals with scientific investigation of trauma and death, accidents, criminal activity etc.
- **Other Specializations:** There are other so many possible fields that a nurse may choose to specialize in, including:
 - Gastroenterology nursing
 - Holistic nursing
 - Medical-surgical nursing
 - Midwifery nursing
 - Neuroscience nursing
 - Obstetrical nursing
 - Occupational health nursing
 - Orthopedic nursing
 - Ostomy nursing

- 3. Nursing Research:** For continuous escalation of a profession, constant expansion of body of knowledge is integral to it. Research which means finding new knowledge is core process to fill up the knowledge gap. Due to changing healthcare needs, innovation in technology, nursing research is becoming obligatory to it.

Literature shows majorly six themes in current nursing research trends:

- Demographic alterations;
- Increasing diversities and globalization;
- Technology innovation;
- Individualized or personal care and population health initiatives;
- Health policies and regulations; and
- Nursing workforce changes.

In near future due to increasing demand of research, there will be new scope for nurse researchers in health informatics, service and education. Evidenced based practice is also an emerging field for nurse researchers.

IV. CONCLUSION

In conclusion futuristic nursing is significant to ensure seamless delivery of services in healthcare facilities. However for successful implementation of futuristic nursing ,there is a need for higher degree and competencies among nurses. similarly nurses should treated equally just like other partners in the development of future health care reforms. future of nursing is of great scope. The nurses can make use of great scope for their professional advancement and to safeguard their lives.

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