

The Impact of Nurses in Skilled Nursing Facilities and Community Health: Disease Prevention, Chronic Care Management and Holistic Patient Care

Bdour Obied Alenazi¹, Hana Rashed Alenazi², Amal Hussain Asiree³, Afnan Abdullah Alsahli⁴, Khalid Jales Alharbi⁵, Alaa Al dabagh⁶, Dalal Durifel Ghareeb Alanazi⁷, Hind Alhumidi Alanazi⁸

1. *Nursing Technician Ghurnata Health Center Riyadh*
2. *Nursing Inadwah Health Center Riyadh*
3. *Specialist-Nursing PHC Nuzha Riyadh*
4. *Nursing Specialist Hafer Albatin Central Hospital Hafer Albatin*
5. *Nursing Erada And Mental Health Hospital Al-Kharj*
6. *Nursing Forensic medicine center Jeddah*
7. *Technician Nursing Maternity And Children Hospital Hail*
8. *Nursing Ministry Of Health Riyadh*

Abstract

The increasing prevalence of chronic diseases and the growing demand for healthcare services have underscored the critical role of nurses in disease prevention and chronic disease management, health promotion, and patient-centered care. This review highlights the multifaceted roles of nurses in early disease detection, patient education, and infection control, emphasizing their contributions to improving patient outcomes. Nurses also led community health initiatives and collaborate with multidisciplinary teams to design and implement evidence-based interventions tailored to local needs. Additionally, in skilled nursing facilities, nurses integrate medical, rehabilitation, and mental health support to address the complex needs of vulnerable populations. Their advocacy in policy development and research strengthens health care systems, promoting equity, efficiency, and prevention-focused care. This paper emphasizes the importance of empowering nurses with resources, technological training, and systemic support to meet the evolving demands of modern health care.

Keywords: Nursing , Health Promotion, Disease Prevention, Patient Education, Skilled Nursing Facilities, Community Health, Chronic Disease Management, Holistic Care.

Introduction

In recent years, the increase in chronic diseases, non-communicable diseases and the increasing demand for healthcare services have created enormous challenges for healthcare systems [1]. According to the World Health Organization, chronic diseases and cancer are responsible for more than 70% of deaths worldwide [2]. However, early intervention and lifestyle modifications contribute to the prevention of these diseases and improve the quality of life of patients [3].

In the modern healthcare landscape, nurses play a pivotal role in preventive care, chronic disease management and improving patient outcomes. Nursing is at the forefront of patient care, direct contact with patients and the strong relationship between nursing and patients that contribute to enhancing the ability of nursing to educate patients and provide comprehensive health care based on evidence to prevent diseases [4]. The concept of health promotion emphasizes empowering patients to improve control of their health and enhance patients' well-being through continuous support, supportive environments, patient education and preventive measures [5]. This highlights the role of nursing in health promotion through their roles and nursing practices in regular medical checkups, early detection of diseases, patient education and patient advocacy and health care [5,6].

In addition, nurses enhance patients' ability to make informed decisions about their treatment and care, adopt healthier lifestyles, and adhere to treatment plans, which contributes to reducing disease progression and reducing healthcare costs [7]. Nurses also participate in collaboration with multidisciplinary teams in expanding comprehensive healthcare through community health initiatives that promote a proactive approach to preventing chronic and infectious diseases and empower patients to effectively manage their health conditions [8].

In Skilled Nursing Facilities (SNFs) and similar healthcare settings, nurses deliver comprehensive, patient-centered care that integrates medical treatment, rehabilitation services, and emotional support. These facilities cater to populations requiring specialized care, such as the elderly and individuals managing chronic illnesses, ensuring continuity of care through multidisciplinary approaches [9]. Additionally, nurses are increasingly involved in health policy development, leveraging their clinical expertise and frontline experiences to advocate for systemic reforms that prioritize prevention, equity, and quality of care [10].

Accordingly, this review aims to reveal the diverse roles that nurses play in promoting health, preventing disease, and providing comprehensive care.

Roles of Nurses in Disease Prevention and Health Promotion

Nurses play a pivotal role in promoting disease prevention and health promotion. Nurses empower individuals and communities to adopt healthier behaviors through evidence-based strategies, ensuring improved patient outcomes.

Patient education as a preventive strategy

Patient education is essential to improving health literacy and encouraging healthy behaviors. Nurses empower patients with knowledge about lifestyle modifications, such as smoking cessation, balanced diets, and regular physical activity, to reduce the risk of chronic diseases such as cardiovascular disease and diabetes [11]. In addition, nurses emphasize medication adherence and teach self-monitoring techniques, such as blood glucose checks or blood pressure management, enabling effective self-care [12].

Health screening and early detection

Nurses play a critical role in facilitating early disease detection through evidence-based screening protocols. Key screenings include cancer screening, such as mammograms and colonoscopies, and metabolic assessments, such as blood pressure checks, glucose tests, and lipid profiles. Early identification of risk factors allows for timely interventions, which reduce disease progression and improve patient outcomes. Through personalized education and counseling, nurses promote adherence to screening schedules tailored to individual risk factors, such as age, lifestyle, and family history [13]. Nurses ensure that patients prioritize preventive health measures by addressing barriers such as misinformation, cost or fear, and bridging the gap between guidelines and procedures for early diagnosis [14].

Infection control and hygiene advocacy

Infection prevention is a cornerstone of nursing practice, with nurses implementing and advocating hygiene measures to reduce disease transmission. Hand hygiene compliance, according to WHO protocols, is one of the most effective strategies for preventing healthcare-associated infections (HAIs). Nurses also ensure adherence to sanitation protocols in healthcare facilities and the community, with an emphasis on clean environments and proper waste management [15]. Nurses also play an active role in encouraging patients to get vaccinated, as nurses educate patients, address vaccine hesitancy and administer vaccinations to prevent diseases such as influenza and measles. Therefore, nurses play a pivotal role in protecting individual and public health by promoting hygiene and vaccination practices [16].

Strategies for Nurses in Promoting Community and Public Health

Nurses are at the forefront of promoting community health, using evidence-based strategies to address health disparities, prevent disease, and promote healthy communities. Through targeted

outreach, collaborative planning, and proactive interventions, nurses bridge the gap between health care systems and patients.

Community Outreach and Health Campaigns

Community outreach is a key public health promotion strategy. Nurses contribute to patient awareness of diseases, preventive measures, and healthy lifestyles. Nurses have the clinical expertise and communication skills to deliver accurate, evidence-based health information to communities and patients. Nurses also play a pivotal role in improving health literacy within communities, overcoming geographic and cultural barriers, and addressing misinformation [17]. Nursing efforts in community outreach and health campaigns focus on preventive behaviors, promoting a shift to proactive care through improved lifestyles and healthy habits. Nurses also collaborate with specialized teams to create sustainable programs that are aligned with community and public health needs, contributing to reduced disease rates and improved public health outcomes [18].

Collaborative Health Plans

The design and implementation of collaborative health plans reflects the critical role of nurses in shaping community-level health interventions. Nurses work closely with public health officials, local governments, and multidisciplinary teams to analyze health data, identify at-risk populations, and develop customized plans to address key health challenges. Their contributions ensure that evidence-based strategies are integrated into actionable interventions, in line with local health priorities. In addition, nurses act as patient advocates by allocating resources to emergencies and participating in the development of plans and policies that achieve comprehensive and equitable health care [19].

The Role of Nurses in Skilled Nursing Facilities

Skilled nursing facilities provide comprehensive care for patients with post-acute care, chronic illnesses, and rehabilitation services. Nurses play a critical role in the delivery of nursing care in skilled nursing facilities, ensuring that patients receive comprehensive, patient-centered interventions that address physical, mental, and emotional needs.

Comprehensive Medical Care and Support

Nurses in skilled nursing facilities are responsible for coordinating and delivering medical care tailored to the unique needs of patients, especially those with chronic illnesses or recovering from acute medical conditions [9]. Nurses oversee treatment plans, monitor patient progress, and ensure continuity of care through close collaboration with physicians, therapists, and other health care professionals. Their duties include administering medications, managing pain, preventing complications, and responding quickly to changes in residents' conditions. Nurses also play a critical role in stabilizing health, preventing hospital readmissions, and facilitating recovery in long-term care settings [9,20].

Rehabilitation and Therapy Services

Rehabilitation is a key component of nursing care, aiming to restore functional independence and improve the overall quality of life for patients. Nurses work closely with physical, occupational, and speech therapists to implement individualized rehabilitation plans. Physical therapy focuses on promoting movement, strength, and balance, reducing the risk of falls, and promoting physical recovery. Occupational therapy addresses activities of daily living, helping residents regain skills such as dressing, eating, and bathing, which are vital to independence. Speech therapy is used to help residents who have communication difficulties. Nurses serve as a key liaison, ensuring residents adhere to treatment regimens, monitoring progress, and providing encouragement to effectively achieve rehabilitation goals [20,21].

Addressing Mental, Social, and Emotional Health

Nurses play a key role in promoting a supportive environment by implementing recreational and social programs for patients. Activities such as group exercise, arts and crafts, and

interactive events help reduce loneliness, enhance cognitive function, and promote emotional resilience. Nurses can coordinate timely interventions [23].

Nutrition Management and Chronic Disease Care

Nutrition plays a vital role in maintaining health, managing chronic conditions, and supporting patient recovery. Nurses, in collaboration with dietitians, develop and implement personalized nutritional plans that meet residents' medical and nutritional needs. These plans take into account specific conditions such as diabetes and cardiovascular disease, ensuring that dietary modifications are consistent with treatment goals. Additionally, nurses play a critical role in chronic disease management by administering medications, educating residents on self-care strategies, and tracking disease progression through regular health assessments [24].

Nurses as Health Policy Advocates

Policy Development and Implementation

Nurses play a pivotal role in formulating health policies that address prevention, patient safety, and quality of care. By contributing evidence-based insights, they ensure that policies reflect real health care needs, such as improving staffing ratios, expanding preventive care programs, and patient-centered initiatives. Nurse-led policies have demonstrated success in reducing the burden of disease and improving health care outcomes through practical system-wide reforms [10,25].

Professional Organizations and Advocacy

Nursing organizations serve as collective voices for policy advocacy at the local, national, and global levels. These organizations empower nurses through leadership training and collaboration with stakeholders to influence health care legislation. Advocacy efforts focus on addressing workforce shortages, promoting preventive care, achieving health care equity, and ensuring that nurses' perspectives inform policy reforms and resource allocation [26].

Research Contributions to Health Policy

Nurses play a pivotal role in health policy research, assessing the impact of existing policies on patient outcomes and system efficiency. Their studies provide data-driven evidence to influence reform, such as demonstrating the relationship between staffing levels and quality of care or demonstrating the effectiveness of nurse-led interventions in managing chronic disease. This research ensures that policies remain evidence-based and aligned with health care priorities [27].

Integration of Health Assessments in Nursing Practice

Health assessments are a fundamental component of nursing practice, enabling early detection, chronic disease management, and holistic care delivery. Nurses leverage systematic evaluations to enhance patient outcomes and promote overall well-being.

Early Detection Through Comprehensive Assessments

Comprehensive health assessments, including patient history, physical examinations, and targeted screenings, are essential for early disease detection and prevention. By identifying risk factors and subtle health changes, nurses enable timely interventions that reduce morbidity and improve patient outcomes [4].

Monitoring Chronic Disease Progression

Regular assessments are vital for managing chronic diseases such as diabetes, cardiovascular conditions, and respiratory disorders. Nurses monitor symptoms, biomarkers, and treatment effectiveness to adjust care plans, prevent complications, and ensure optimal disease control [28].

Promoting Holistic Health

Nurses adopt a holistic approach to health assessments, considering physical, mental, and emotional well-being. This integrated evaluation ensures care plans address all aspects of a patient's health, enhancing quality of life and supporting long-term recovery [29].

Challenges in Nursing Practice

- **Workforce Shortages and Burnout:** Nursing shortages and increased workloads have contributed to widespread burnout, impacting care quality and nurse retention. Aging populations and rising healthcare demands exacerbate these issues, requiring sustainable workforce solutions [30].
- **Technological Integration:** The adoption of electronic health records (EHRs), telehealth, and artificial intelligence presents challenges related to inadequate training, system complexities, and unequal access to technology in low-resource settings [31].
- **Healthcare Inequities:** Disparities in access to healthcare and resources, particularly in rural and underserved communities, limit nurses' ability to deliver equitable care and leverage advanced health technologies effectively [6,10].

Future Directions in Nursing Practice

- **Digital Health:** The integration of telehealth, remote monitoring devices, and artificial intelligence will optimize care delivery, improve patient outcomes, and enhance chronic disease management through real-time data analysis and early interventions [32].
- **Technological Education and Training:** Advancing nurses' digital literacy through updated curricula, simulation-based learning, and continuous professional development programs will ensure nurses can effectively use emerging healthcare technologies [31,32].
- **Workforce Sustainability:** Implementing mental health support, improving workplace conditions, and introducing automation for routine tasks, such as robotics and AI tools, will alleviate workloads and reduce burnout [30].
- **Promoting Equity:** Expanding cost-effective digital solutions, such as telehealth and portable diagnostics, will bridge healthcare gaps and ensure access to quality care in underserved and remote areas.

Conclusion:

Nurses play a fundamental role in advancing health care by promoting health, preventing disease, and providing comprehensive care across diverse settings. Through patient education, evidence-based interventions, and collaboration with multidisciplinary teams, nurses contribute significantly to reducing disease progression and improving health outcomes. In skilled nursing facilities, they provide integrated care that addresses physical, mental, and emotional health, ensuring good recovery and long-term well-being. Additionally, nurses serve as advocates for health policy and research, leading reforms that prioritize prevention and health equity. Addressing workforce shortages, promoting digital literacy, and fostering sustainable work environments are critical to enabling nurses to meet the demands of contemporary health care.

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