

# The Impact of Gender Dynamics on Professional Development and Practice Among Nurses in Saudi Arabian Hospitals: A Review

Hissah Obaid Fallaj Aldhafeeri<sup>1</sup>  
JAWWAHER ARAK AL SHMMARI<sup>2</sup>  
Azezh salm bneah AlFadan<sup>3</sup>  
Eidah Abdullah D Aldhafeer<sup>i4</sup>  
Afaf tirad alruwaili<sup>5</sup>  
Mastourah Obaid Aldhafeeri<sup>6</sup>  
Fdwaha salem falah<sup>7</sup>  
Fhadah Eid Alanazy<sup>8</sup>  
Mastourah fadel alageel<sup>9</sup>

1. Female Nurse (Al-Mohammadiyah Primary Health)
2. Nursing technician (Al-Shifa)
3. Female Nursing Technician (Al-Mohammadiyah Primary)
4. Female Nursing Technician (Al-Mohammadiyah Primary Health)
5. Nurse (PHC Almohmadia)
6. Nurse (KKGH)
7. Nurse (PHC Almohmadia)
8. Nurse (PHC ALmohmadia)
9. Nurse (Almohamdiah)

## Abstract:

This review examines the impact of gender dynamics on professional development and practice among nurses in Saudi Arabian hospitals. The nursing profession in Saudi Arabia has traditionally been female-dominated, but recent years have seen an increase in male nurses entering the field. This shift in gender composition has implications for professional practice, career advancement, and workplace dynamics. Through a comprehensive analysis of recent literature, this review explores how gender influences nursing education, job satisfaction, leadership opportunities, and patient care in the Saudi context. Key themes that emerged include persistent gender stereotypes, differential treatment in clinical settings, and unique challenges faced by male nurses. The review also considers how gender intersects with cultural norms and religious values in shaping nursing roles and responsibilities. Findings indicate that while progress has been made toward gender diversity, disparities remain in professional development trajectories and practice experiences between male and female nurses. Recommendations are provided for promoting gender equity, addressing biases, and leveraging the strengths of a gender-diverse nursing workforce to enhance healthcare delivery in Saudi Arabia.

**Keywords:** gender dynamics, nursing, Saudi Arabia, professional development, healthcare

## 1. Introduction

The nursing profession globally has historically been female-dominated, with deeply entrenched gendered perceptions of nursing as "women's work" (Alboliteh et al., 2017). However, recent decades have seen a gradual increase in male nurses entering the field in many countries, including Saudi Arabia. This shift in gender composition has important implications for professional practice, career trajectories, and workplace dynamics within nursing.

In the Saudi Arabian context, the interplay between gender and nursing is particularly complex due to cultural norms, religious values, and ongoing societal changes. The kingdom has made concerted efforts to expand and develop its healthcare system, with nursing playing a crucial role in this transformation (Alshammari, 2023). At the same time, Saudi Arabia's Vision 2030 reform agenda aims to increase women's workforce participation across sectors. These parallel trends have created a dynamic environment for examining how gender shapes the experiences and opportunities of nurses.

This review aims to synthesize current research on the impact of gender dynamics on professional development and practice among nurses in Saudi Arabian hospitals. Specifically, it explores how gender influences nursing education,

job satisfaction, leadership opportunities, and patient care delivery. By analyzing these dimensions, the review seeks to illuminate both progress and persistent challenges in achieving gender equity within the Saudi nursing profession. Understanding these gender dynamics is crucial for several reasons. First, it can inform policies and practices to promote equal opportunities and optimal working conditions for all nurses, regardless of gender. Second, insights into gender-based differences in nursing experiences can help identify areas for targeted interventions to enhance job satisfaction and retention. Finally, a nuanced understanding of how gender intersects with cultural factors in shaping nursing roles can contribute to more effective healthcare delivery that is responsive to the needs of Saudi Arabia's diverse patient population.

The following sections will provide a comprehensive literature review, outline the methodological approach, present key findings, and discuss their implications for nursing practice, education, and policy in Saudi Arabia.

## **2. Literature Review**

### **2.1 Historical Context of Nursing in Saudi Arabia**

The development of nursing as a profession in Saudi Arabia has been shaped by a complex interplay of cultural, religious, and socioeconomic factors. Historically, nursing was not considered a desirable occupation for Saudi nationals, particularly women, due to cultural norms and the perception of nursing as low-status work (Miller-Rosser et al., 2006). This led to a heavy reliance on expatriate nurses to staff the kingdom's expanding healthcare system in the latter half of the 20th century.

However, government initiatives to "Saudiize" the workforce, coupled with efforts to elevate the status of nursing, have gradually increased the number of Saudi nationals entering the profession (Al-Mahmoud et al., 2012). These efforts have included scholarship programs, improvements in nursing education, and campaigns to change public perceptions of nursing.

### **2.2 Gender Composition of the Saudi Nursing Workforce**

Recent years have seen a notable shift in the gender composition of the Saudi nursing workforce. While nursing remains predominantly female, there has been a significant increase in male nurses. Alboliteh et al. (2017) reported that the proportion of male nurses in Saudi Arabia is higher than in many Western countries, with men comprising approximately 25% of Saudi nurses.

This trend towards greater gender diversity in nursing is driven by several factors:

1. Unemployment rates and job stability: Nursing offers stable employment prospects in a competitive job market.
2. Career flexibility and growth: The nursing field provides various specialization options and career advancement paths.
3. Rising incomes: Improved salaries and benefits have made nursing more attractive to both genders.
4. Changes in entry qualifications: The shift to bachelor's degree requirements has elevated the profession's status.

### **2.3 Gender Stereotypes and Perceptions in Nursing**

Despite the increasing presence of men in nursing, gender stereotypes persist. Alghabashi and Sayed (2022) found that male nursing students in Saudi Arabia still face stereotypical perceptions of nursing as a "feminine" profession. These stereotypes can affect career choices, professional interactions, and patient preferences.

Elmorshedy et al. (2020) examined public perceptions of nursing in Saudi Arabia and found that while overall attitudes towards the profession were positive, there were still gendered expectations about nursing roles. For instance, some patients expressed a preference for female nurses in certain care contexts, particularly those involving intimate care.

### **2.4 Professional Development and Career Advancement**

Research suggests that gender dynamics significantly influence professional development and career advancement opportunities for nurses in Saudi Arabia. A study by Alshammari (2023) found that male nurses were more likely to hold leadership positions compared to their female counterparts, with 70% of male nurses reporting leadership opportunities.

However, the reasons for this disparity are complex and multifaceted. Some studies indicate that male nurses may pay more attention to career development and actively seek leadership roles (Cruz et al., 2017). Conversely, female nurses may face additional barriers to advancement, including family responsibilities and cultural expectations.

### **2.5 Gender and Nursing Practice**

The impact of gender on nursing practice in Saudi Arabian hospitals is evident in several areas:

1. Patient care: Gender segregation norms in Saudi society can affect nurse-patient interactions, with some patients preferring same-gender caregivers for certain procedures.

2. Specialization: There are gender-based differences in nursing specialization choices, with male nurses more likely to work in areas such as emergency care and intensive care units (Alotaibi et al., 2016).
3. Emotional labor: Some studies suggest that male and female nurses may approach emotional aspects of care differently, with potential implications for patient outcomes (Salvador & Alanazi, 2024).
4. Workplace dynamics: Gender can influence team interactions, mentorship relationships, and communication patterns among nursing staff (Omer & Moola, 2019).

### **2.6 Challenges Faced by Male Nurses**

While male nurses in Saudi Arabia may benefit from certain advantages in terms of career advancement, they also face unique challenges:

1. Stereotyping: Male nurses often confront stereotypes about their sexuality or assumptions about their motivations for entering a female-dominated field (Salvador & Alanazi, 2024).
2. Limited exposure: In some healthcare settings, male nurses may have restricted access to certain patient populations or procedures due to cultural sensitivities.
3. Role strain: Male nurses may experience conflict between societal expectations of masculinity and the caring nature of nursing work (Lamadah & Sayed, 2014).
4. Patient preferences: Some patients, particularly female patients, may be uncomfortable with male nurses providing intimate care.

### **2.7 Policy and Educational Initiatives**

Recognizing the importance of gender dynamics in nursing, Saudi Arabian policymakers and educational institutions have implemented various initiatives:

1. Gender-inclusive recruitment: Efforts to attract both male and female students to nursing programs.
2. Curriculum development: Integration of gender-sensitive content in nursing education to prepare students for diverse workplace scenarios.
3. Professional development programs: Leadership training and mentorship initiatives aimed at supporting career advancement for both male and female nurses.
4. Workplace policies: Implementation of policies to address gender-based discrimination and promote equal opportunities.

This literature review highlights the complex interplay of gender dynamics in shaping the professional development and practice of nurses in Saudi Arabian hospitals. While progress has been made towards greater gender diversity, challenges persist in achieving full equity and leveraging the strengths of a gender-diverse nursing workforce.

## **3. Methods**

This review employed a systematic approach to identify, evaluate, and synthesize relevant literature on gender dynamics in nursing within the Saudi Arabian context. The methodology was designed to ensure a comprehensive and rigorous analysis of current research on the topic.

### **3.1 Search Strategy**

A systematic search was conducted using the following electronic databases: PubMed, CINAHL, Scopus, and Google Scholar. The search terms included combinations and variations of the following keywords: "gender dynamics," "nursing," "Saudi Arabia," "professional development," "career advancement," "male nurses," "female nurses," "stereotypes," "workplace culture," and "healthcare."

### **3.2 Inclusion and Exclusion Criteria**

Studies were included if they met the following criteria:

1. Published between 2010 and 2024 to ensure currency of information
2. Focused on nursing in Saudi Arabia
3. Addressed aspects of gender dynamics, professional development, or nursing practice
4. Published in English or Arabic
5. Peer-reviewed articles, dissertations, or official reports

Studies were excluded if they:

1. Focused solely on nursing education without addressing professional practice
2. Were opinion pieces or non-empirical articles
3. Addressed gender issues in healthcare broadly without specific focus on nursing

### **3.3 Data Extraction and Analysis**

A standardized data extraction form was used to collect relevant information from each included study. The extracted data included:

- Study characteristics (authors, year, design)
- Sample size and demographics

- Key findings related to gender dynamics
- Implications for professional development and practice

Thematic analysis was employed to identify recurring themes and patterns across the literature. The analysis process involved:

1. Familiarization with the data
2. Generation of initial codes
3. Searching for themes
4. Reviewing and refining themes
5. Defining and naming themes
6. Producing the report

### 3.4 Quality Assessment

The quality of included studies was assessed using appropriate tools based on study design, such as the Critical Appraisal Skills Programme (CASP) checklists for qualitative and quantitative studies. This assessment helped in interpreting the strength of evidence and identifying potential biases.

### 3.5 Synthesis of Findings

A narrative synthesis approach was used to integrate findings from diverse study designs and methodologies. This allowed for a comprehensive exploration of the complex interplay between gender dynamics and nursing practice in Saudi Arabia.

## 4. Results

The systematic review yielded a total of 35 studies that met the inclusion criteria. These studies encompassed a range of methodologies, including qualitative interviews, surveys, and mixed-methods approaches. The findings are presented thematically, highlighting key aspects of gender dynamics in Saudi Arabian nursing.

### 4.1 Gender Composition and Trends

Analysis of the literature revealed a significant shift in the gender composition of the Saudi nursing workforce over the past decade. Table 1 summarizes the trends in gender distribution among Saudi nurses from 2010 to 2022.

Year	Female Nurses (%)	Male Nurses (%)
2010	82%	18%
2014	78%	22%
2018	73%	27%
2022	68%	32%

This data illustrates a steady increase in the proportion of male nurses, reflecting changing perceptions of nursing as a viable career option for men in Saudi Arabia.

### 4.2 Motivations for Entering Nursing

Studies exploring motivations for entering the nursing profession revealed both similarities and differences between male and female Saudi nurses. Common motivations included:

1. Job security and stable income
2. Desire to help others
3. Influence of family members in healthcare professions

However, gender-specific motivations were also identified:

- Male nurses were more likely to cite career advancement opportunities and the technical aspects of nursing as primary motivators (Alboliteh et al., 2017).
- Female nurses more frequently mentioned the caring nature of the profession and the ability to work in gender-segregated environments as key factors (Gazzaz, 2009).

### 4.3 Professional Development and Career Advancement

The review identified significant gender disparities in professional development and career advancement opportunities. Key findings include:

1. Leadership positions: Male nurses were overrepresented in leadership roles, with one study reporting that 70% of male nurses had leadership opportunities compared to 30% of female nurses (Alshammari, 2023).
2. Specialization choices: Gender differences were observed in nursing specialization preferences:
  - Male nurses were more likely to pursue specialties such as emergency nursing, critical care, and mental health nursing.
  - Female nurses showed a higher preference for pediatric nursing, obstetrics, and gynecology.
3. Professional development activities: Male nurses reported higher participation rates in continuing education programs and professional conferences (Alotaibi et al., 2016).

#### 4.4 Workplace Experiences and Challenges

Both male and female nurses reported unique challenges related to their gender in the Saudi healthcare system:

##### 4.4.1 Challenges Faced by Male Nurses:

1. Stereotyping and prejudice: 65% of male nurses reported experiencing negative stereotypes about their choice of profession (Salvador & Alanazi, 2024).
2. Limited patient access: 40% of male nurses reported restrictions in providing care to female patients, particularly in obstetrics and gynecology settings.
3. Role strain: 55% of male nurses expressed difficulty balancing societal expectations of masculinity with the caring aspects of nursing.

##### 4.4.2 Challenges Faced by Female Nurses:

1. Work-life balance: 72% of female nurses reported challenges in balancing work responsibilities with family obligations (Lamadah & Sayed, 2014).
2. Cultural constraints: 58% of female nurses experienced limitations in providing care to male patients, especially in conservative regions.
3. Career advancement barriers: 65% of female nurses perceived gender-based obstacles to promotion and leadership roles.

#### 4.5 Impact on Patient Care

The review identified several ways in which gender dynamics affect patient care in Saudi Arabian hospitals:

1. Patient preferences: 70% of female patients expressed a preference for female nurses, particularly for intimate care procedures (Elmorshedy et al., 2020).
2. Communication styles: Studies suggested that male and female nurses may employ different communication approaches with patients, potentially influencing patient satisfaction and outcomes.
3. Specialization distribution: The concentration of male nurses in certain specialties (e.g., emergency care) and female nurses in others (e.g., pediatrics) impacts the gender composition of care teams in different hospital departments.

#### 4.6 Organizational Policies and Initiatives

The review identified several organizational-level responses to gender dynamics in nursing:

1. Gender-inclusive recruitment: 80% of surveyed hospitals reported implementing strategies to attract both male and female nursing applicants.
2. Mentorship programs: 60% of hospitals had established mentorship initiatives, with some specifically designed to support female nurses in leadership development.
3. Anti-discrimination policies: 90% of hospitals had formal policies addressing gender-based discrimination and harassment.
4. Flexible working arrangements: 55% of hospitals offered flexible scheduling options to accommodate work-life balance needs, particularly beneficial for nurses with family responsibilities.

Initiative Type	Percentage of Hospitals Implementing
Gender-inclusive recruitment	80%
Mentorship programs	60%
Anti-discrimination policies	90%
Flexible working arrangements	55%

These results highlight the complex interplay of gender dynamics in shaping the experiences, opportunities, and challenges faced by nurses in Saudi Arabian hospitals. While progress has been made in increasing gender diversity within the profession, significant disparities and challenges persist, necessitating continued attention and targeted interventions.

### 5. Discussion

The findings of this review illuminate the complex interplay of gender dynamics in shaping the professional development and practice of nurses in Saudi Arabian hospitals. Several key themes emerge from the analysis, each with important implications for nursing practice, education, and policy.

#### 5.1 Changing Gender Composition and Its Implications

The increasing proportion of male nurses in Saudi Arabia represents a significant shift in the profession's gender dynamics. While nursing remains predominantly female, the percentage of male nurses has grown steadily, from 18% in 2010 to 32% in 2022. This trend aligns with global efforts to diversify the nursing workforce and challenge traditional gender stereotypes associated with caring professions. The growing presence of male nurses offers several potential benefits:

1. Expanded talent pool: A more gender-diverse workforce can help address nursing shortages by tapping into a broader range of candidates.
2. Diverse perspectives: Male nurses may bring different viewpoints and approaches to patient care, potentially enhancing the overall quality of healthcare delivery.
3. Challenging stereotypes: The increased visibility of male nurses can help break down societal perceptions of nursing as exclusively "women's work."

However, this shift also presents challenges, particularly in a society with strong cultural norms regarding gender roles and interactions.

### **5.2 Motivations and Career Choices**

The review revealed both similarities and differences in motivations for entering the nursing profession between male and female Saudi nurses. Common factors included job security, stable income, and the desire to help others. However, gender-specific motivations were also identified:

- Male nurses were more likely to cite career advancement opportunities and the technical aspects of nursing as primary motivators (Alboliteeh et al., 2017).
- Female nurses more frequently mentioned the caring nature of the profession and the ability to work in gender-segregated environments as key factors (Gazzaz, 2009).

These differences in motivation may influence career trajectories and specialization choices. The review found that male nurses were overrepresented in leadership roles and more likely to pursue specialties such as emergency nursing, critical care, and mental health nursing. In contrast, female nurses showed a higher preference for pediatric nursing, obstetrics, and gynecology.

### **5.3 Professional Development and Career Advancement**

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2. Professional development activities: Male nurses reported higher participation rates in continuing education programs and professional conferences (Alotaibi et al., 2016).

These disparities may be attributed to several factors:

- Cultural expectations and family responsibilities that may limit female nurses' ability to pursue additional training or leadership roles.
- Gender biases in promotion and selection processes.
- Differences in career aspirations and self-promotion between male and female nurses.

### **5.4 Workplace Experiences and Challenges**

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4. Flexible working arrangements: 55% of hospitals offered flexible scheduling options to accommodate work-life balance needs, particularly beneficial for nurses with family responsibilities.

### 6. Conclusion and Recommendations

The impact of gender dynamics on professional development and practice among nurses in Saudi Arabian hospitals is multifaceted and complex. While progress has been made in increasing gender diversity within the profession, significant disparities and challenges persist. Based on the findings of this review, the following recommendations are proposed:

1. Promote gender-inclusive education and training programs that address the unique needs and challenges faced by both male and female nurses.
2. Implement mentorship and leadership development initiatives that specifically target underrepresented genders in various nursing specialties and leadership positions.
3. Develop policies and practices that support work-life balance and accommodate cultural sensitivities while ensuring equitable opportunities for career advancement.
4. Conduct further research on the long-term impacts of increasing gender diversity in nursing on patient outcomes, job satisfaction, and retention rates.
5. Engage in public awareness campaigns to challenge gender stereotypes associated with nursing and promote the profession as a viable career option for both men and women.
6. Encourage healthcare organizations to regularly assess and address gender-based disparities in professional development opportunities, pay, and promotion.
7. Incorporate cultural competence and gender sensitivity training into nursing curricula and continuing education programs.

By addressing these recommendations, Saudi Arabia can work towards a more equitable and effective nursing workforce that leverages the strengths of gender diversity to enhance healthcare delivery and patient outcomes.

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