Factors influencing job satisfaction amongst nurses in Hail Region, Kingdom of Saudi Arabia: A cross-sectional study

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**A B S T R A C T**

With the present landscape in the healthcare organizations, job satisfaction in the nursing sector must be put into scrutiny as more and more nurses quit due to organizational issues. This study aims to factor-in the socio-demographic information of the nurses working in the Hail region, Kingdom of Saudi Arabia, which can influence their job satisfaction. Specifically, it aims to determine the job satisfaction level of nurses and significant differences in their socio-demographic information. The researcher employed a quantitative cross-sectional design to investigate the job satisfaction of nurses in the Hail region, Kingdom of Saudi Arabia. The researcher utilized the MSQ "short form," which has 20 of the 100 original items. Data gathering was conducted from January to April 2019. Statistically, the weighted mean was used to determine the level of job satisfaction, F-test (one-way ANOVA) and t-test were also employed. This research has obtained ethical approval from the Ethics review board of the University of Hail (H-2016-059). The nurse respondents were satisfied in their present job (M=3.50; SD=1.15). Significant differences have been found in regards to civil status (p=0.01), nationality (p=0.01), age (p=0.03), salary range (p=0.01), and total years of experience (0.01). Factors influencing job satisfaction of nurses in the Hail region, Kingdom of Saudi Arabia such as civil status, nationality, age, salary, and the total years of experiences are vital in planning the strategies to address the turnover. Policymakers can utilize these factors to increase the motivation of these nurses, thereby improving patient outcomes.

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1. Introduction

Job satisfaction is about the behavior and feelings of the employees about their work (Liu et al., 2012). However, satisfaction depends on the job landscape and expectations of the employees as it depends on what job can provide to them (Ramoo et al., 2013). In the nursing sector, job satisfaction is with utmost consideration in an organization, as this implies the quality of care and excellent patient outcomes. Although there are influences affecting job satisfaction and that it can contribute more to motivation. According to Price (2001), employees are more motivated and satisfied should there be infrastructure to the health facility, finances, development of their career, continued learning, and presence of resources, acknowledgment, and interpersonal relations with the management.

Moreover, sociodemographic like salary, support of the manager, and the nurse-patient relationship (Coomber and Barriball, 2007) are deemed to influence job satisfaction and motivation. In other words, these factors, once considered, can produce better results in job performance. However, with the present background in healthcare organizations, job satisfaction in the nursing sector must scrutinize as more and more nurses quit due to organizational issues.

Previous studies have explored the issues on job satisfaction in the international arena (Cahill, 2011; McGlynn et al., 2003) however, this has not been fully developed as regards other disciplines (Mouttazoglou, 2010; Murrells et al., 2009). Moreover, job satisfaction study results may not be applicable in all settings like in Saudi Arabia. Job satisfaction was explored in Saudi Arabia in general (Alshmenri, 2014; Alotaibi et al., 2016; Mari et al., 2018; Alasmari and Douglas, 2012), but, no study has found focusing on a specific context such as in the Hail region. The Kingdom of Saudi Arabia, in
particular, is dominated by expatriate nurses from different countries, which may lead to different factors influencing job satisfaction. In other words, job satisfaction of expatriate nurses may differ from that of nurses from the host country. In a study reported by Al-Momani (2008), the rate of nurses leaving the job in the Middle East is at 18.4% in 1996, and it rises to more than 21% in 2008. In light of this concern, employees need to consider what factors increase nurses’ job satisfaction and influence them to stay. As such, the work environment is identified as a critical component of nursing job satisfaction, which then influences the quality of care and patient outcomes (Bawafaa et al., 2015; Galletta et al., 2016; Rudman et al., 2014).

Significantly, findings of this study may be utilized as a framework for the hospital authorities in the Hail region to make a policy that may influence the job satisfaction of nurses. This puts an interest in improving employee productivity and efficiency through the satisfaction they receive from their job attributes. As such, addressing the identified factors to job satisfaction of the nurses in a specific context may further advance their enthusiasm to carry out their job functions. This study aims to factor-in the socio-demographic information of the nurses working in the Hail region that can influence their job satisfaction. Specifically, it aims to determine the job satisfaction level of nurses the significant difference in their socio-demographic elements.

2. Methods

2.1. Study design

The researcher employed a quantitative cross-sectional design to investigate the job satisfaction of nurses in the Hail region, Kingdom of Saudi Arabia.

2.2. Setting and sample

The respondents of the study were the nurses of the hospitals of the Hail region, Kingdom of Saudi Arabia. The said nurses were from the major private and government hospitals within the city of Hail. Convenience sampling was used. The researcher observed the inclusion criteria. Such as the nurses should have been (1) in the job or position for at least a year (2) present during the conduct of the study for them to clarify their responses, (3) and willing to participate.

2.3. Instrument

The researcher utilized the MSQ "short form," which has 20 of the 100 original items (Ahmadi and Alirez, 2007). The 20 MSQ-short version items are rated on a 5-point Likert scale; 1) "very dissatisfied with this aspect of my job"; 2) "dissatisfied with this aspect of my job"; 3) "can't decide if I'm satisfied or dissatisfied with this aspect of my job"; 4) "satisfied with this aspect of my job" and 5) "very satisfied with this aspect of my job"). Item responses are summed or averaged to create a total score—the lower the score, the lower the level of job satisfaction. The reliability of the instrument was tested using Cronbach's alpha and was noted at 0.90, showing a high level of reliability.

2.4. Data collection procedure

Before data gathering, approval of the Ethics Review Board of the University of Hail was obtained (H-2016-058). A cover letter was provided to the nurses, which included a brief description of the study, the significance of the study, rights of the participants such as the right to withdraw, anonymity, and confidentiality. Data gathering was conducted from January to April 2019.

2.5. Data analysis

All data were processed through SPSS Version 21. The demographic profile was treated using frequency count and percentage. Weighted mean was used to determine the level of job satisfaction. To examine the difference between job satisfaction across respondents' profile, the F-test (one-way ANOVA) and t-test for gender were employed.

3. Results

Table 1 presents the level of satisfaction of the nurse respondents in the Hail region, Kingdom of Saudi Arabia. Accordingly, the 218 nurse respondents were satisfied in their present job (M=3.50; SD= 1.15). Meanwhile, the statement "The chance to try my own methods of doing the job" got the highest mean with 3.72(SD=1.24).

T-test was performed to determine the significant difference in the demographic information (sex and civil status) of the respondents with their level of satisfaction. Regarding sex, there is no significant difference in the job satisfaction of male (M=3.66 SD=1.25) and female (M=3.49, SD=1.15) and t (216) =0.46, p=0.65. As regards civil status, there is a significant difference in the job satisfaction of single (M=3.66 SD=1.23) and married (M=3.19, SD=1.08) and t (216)=2.86, p=0.01.

Table 2 shows the difference between job satisfactions across the respondent's profile.

One-way ANOVA was conducted to see if there is a difference in the demographic information of the nurse respondents with their level of satisfaction. As regards nationality, it was revealed that there is a significant difference between job satisfaction and nationality of the respondents at the p<0.05 level for the eight nationalities [F (7, 210)=13.98, p=0.01]. Regarding age, it was revealed that there is a significant difference between job satisfaction and the age of the respondents at the p<0.05 level for the seven age groups [F (6, 211)=2.31, p=0.03]. On the other hand, a significant difference found between job satisfaction and salary range of the respondents.

Mohammad Alboliteeh/International Journal of Advanced and Applied Sciences, 7(2) 2020, Pages: 63-68
at the p<0.05 level for the five salary ranges [F (4, 213)=13.98, p=0.01]. Meanwhile, there is no significant difference between job satisfaction and the position of the respondents at the p<0.05 level for the three nursing positions [F (2, 215)=0.79, p=0.45].

| Question                                                                 | Mean  | SD   | Interpretation |
|--------------------------------------------------------------------------|-------|------|----------------|
| 1. Being able to keep busy all the time                                  | 3.61  | 1.33 | Satisfied      |
| 2. The chance to work alone on the job                                   | 3.50  | 1.30 | Satisfied      |
| 3. The chance to do different things from time to time                    | 3.51  | 1.31 | Satisfied      |
| 4. The chance to be "somebody" in the community                            | 3.50  | 1.32 | Satisfied      |
| 5. The way my boss handles his/her workers                                | 3.55  | 1.32 | Satisfied      |
| 6. The competence of my supervisor in making decisions                    | 3.56  | 1.30 | Satisfied      |
| 7. Being able to do things that don't go against my conscience             | 3.48  | 1.34 | Satisfied      |
| 8. The way my job provides for steady employment                          | 3.55  | 1.29 | Satisfied      |
| 9. The chance to do things for other people                               | 3.68  | 1.27 | Satisfied      |
| 10. The chance to tell the people what to do                               | 3.53  | 1.24 | Satisfied      |
| 11. The chance to do something that makes use of my capabilities           | 3.57  | 1.25 | Satisfied      |
| 12. The way company policies are put into practice                        | 3.28  | 1.34 | Neutral        |
| 13. My pay and the amount of work I do                                    | 3.32  | 1.30 | Neutral        |
| 14. The chances for advancement in this job                               | 3.37  | 1.31 | Neutral        |
| 15. The freedom to use my own judgment                                    | 3.44  | 1.31 | Satisfied      |
| 16. The chance to try my own methods of doing the job                      | 3.72  | 1.24 | Satisfied      |
| 17. The working condition                                                 | 3.53  | 1.30 | Neutral        |
| 18. The way my co-worker get along with each other                         | 3.59  | 1.30 | Satisfied      |
| 19. The praise I get for doing a good job                                 | 3.50  | 1.32 | Neutral        |
| 20. The feeling of accomplishment I get from the job                      | 3.62  | 1.28 | Satisfied      |
| Overall Satisfaction                                                      | 3.50  | 1.15 | Satisfied      |

Another non-significant difference found between job satisfaction and years of experience in the current job of the respondents at the p<0.05 level for the four range of experience [F (3, 214)=0.88, p=0.46]. As to total years of experience, a significant difference was found at the p<0.05 level for the four range of total experience [F (3, 214)=7.59, p=0.01]. On the other hand, there is no significant difference between job satisfaction and the number of children of the respondents at the p<0.05 level for the five groups of the number of children [F (4, 213)=1.27, p=0.28].

4. Discussion

This study aims to determine the factor influencing the job satisfaction of nurses working in the Hail region in particular. Nurses in this present study are satisfied with their job performance, which means that various aspects of their present job are being met. This present finding is in agreement with the previous research of Junious et al. (2004) and Rad and Yarmohammadian (2006) explaining that nurses are satisfied with their job. It is important to note that positive job satisfaction contributes to a better work environment, increase patient satisfaction, and improve quality of care. According to Nikic et al. (2008), the satisfaction on the job of the healthcare employees is a vital parameter that impacts their output so with their quality work.

The significant difference in job satisfaction amongst nurses as to civil status implies that single (not married) has a higher job satisfaction than the married once. Obviously, the responsibility of marriage has an impact on work and personal life (Pasay-an et al., 2014). The single nurses (not married) deal with their work more concentrated efforts, thus focusing on the job itself, unlike those married ones which attention could either focus on the family matter than their job. The result of this present study disagrees with Olatunj and Mokuolu (2014), in which they reported that single participants invariably had a higher level of job stress than their married counterparts.

The significant difference between job satisfaction and nationality of the respondents showed that expat nurses are more satisfied than Saudi nurses. Similar scenario seen on the global scale, more nurses specifically coming from Asian countries occupies a big bulk in the nursing workforce of a more developed country. These nurses are trained, and most of them worked in their own countries. However, one of the primary reasons for leaving their families behind and working overseas is the economic crisis that their countries are facing. Expatriate nurses are easily satisfied with their job basically because their point of comparison on their current job is far worst in terms of workload, salary, and technological advancements. Previous studies (Al-Ahmadi, 2002; Adams and Bond, 2000) are somehow inconsistent with the present findings. Most of these studies imply that demographic data such as nationality does not affect job satisfaction. However, a recent study conducted in Riyadh, Saudi Arabia, found that although nationality is insignificant in terms of job satisfaction, it plays a significant role in the commitment of nurses. (Al-Ameri, 2000).

Of note, there is a significant difference between job satisfaction and the age of the respondents. The level of job satisfaction of the respondents varies when grouped according to age. The oldest age group has the highest mean level of job satisfaction, while the youngest age group has the lowest mean job satisfaction. Maturity may be a critical factor that influenced the result of the present study. Older individuals tend to be more matured and quickly get satisfaction compared to the younger generation.
The needs and expectations of the mature person are less and easy being met. However, most studies suggest that age is not a strong determinant of job satisfaction among nurses (Al-Takroni et al., 2018).

| Profile         | Freq. | Mean | SD  | df  | Test Value | p-value |
|-----------------|-------|------|-----|-----|------------|---------|
| **Sex**         |       |      |     |     |            |         |
| Male            | 10    | 3.66 | 1.25| 216 | t (0.46)   | 0.65    |
| Female          | 209   | 3.49 | 1.15|     |            |         |
| **Civil Status**|       |      |     |     |            |         |
| Single          | 73    | 3.66 | 1.23| 216 | t (2.86)   | 0.01    |
| Married         | 145   | 3.19 | 1.08|     |            |         |
| **Nationality** |       |      |     |     |            |         |
| Saudi           | 23    | 1.63 | 0.55|     |            |         |
| Filipino        | 88    | 3.70 | 0.95|     |            |         |
| Indian          | 100   | 3.72 | 1.06|     |            |         |
| Moroccan        | 1     | 4.00 | -   |     |            |         |
| Tunisian        | 2     | 3.60 | 0.56|     |            |         |
| Pakistani       | 2     | 3.88 | 0.04|     |            |         |
| Indonesian      | 1     | 3.65 | -   |     |            |         |
| Malaysian       | 1     | 5.00 | -   |     |            |         |
| **Age**         |       |      |     |     |            |         |
| 20-24           | 12    | 2.78 | 1.19|     |            |         |
| 25-29           | 86    | 3.33 | 1.23|     |            |         |
| 30-34           | 86    | 3.71 | 1.07|     |            |         |
| 35-39           | 12    | 3.88 | 0.82|     |            |         |
| 40-44           | 12    | 3.24 | 0.94|     |            |         |
| 45-49           | 4     | 3.48 | 1.80|     |            |         |
| 50 and above    | 6     | 4.18 | 0.68|     |            |         |
| **Salary**      |       |      |     |     |            |         |
| 3000-4500       | 66    | 3.52 | 0.96|     |            |         |
| 4501-6000       | 102   | 3.71 | 1.06|     |            |         |
| 6001-7500       | 25    | 3.84 | 1.10|     |            |         |
| 7501-9000       | 6     | 3.47 | 1.29|     |            |         |
| 9001- above     | 19    | 1.84 | 0.97|     |            |         |
| **Position**    |       |      |     |     |            |         |
| Staff Nurse     | 209   | 3.52 | 1.14|     |            |         |
| Supervisor      | 3     | 2.92 | 1.10|     |            |         |
| Manager         | 2     | 3.57 | 1.72|     |            |         |
| **Years of Experience in Current Job** |       |      |     |     |            |         |
| 1-5             | 166   | 3.43 | 1.17|     |            |         |
| 6-10            | 41    | 3.63 | 1.11|     |            |         |
| 11-15           | 6     | 3.97 | 0.99|     |            |         |
| 16 years and above | 5   | 3.91 | 0.96|     |            |         |
| **Total Years of Experience** |       |      |     |     |            |         |
| 1-5             | 88    | 3.09 | 1.24|     |            |         |
| 6-10            | 89    | 3.67 | 1.08|     |            |         |
| 11-15           | 29    | 4.00 | 0.76|     |            |         |
| 16 years and above | 12 | 3.50 | 0.77|     |            |         |
| **Number of Children** |       |      |     |     |            |         |
| 0               | 122   | 3.37 | 1.22|     |            |         |
| 1               | 56    | 3.67 | 1.11|     |            |         |
| 2               | 26    | 3.50 | 1.04|     |            |         |
| 3               | 12    | 4.00 | 0.74|     |            |         |
| 4               | 2     | 3.58 | 0.11|     |            |         |

5. Conclusion

While the studies on job satisfaction of nurses generated the same results, it is vital to consider the context in particular. Factors influencing job
satisfaction of nurses in the Hall region, Kingdom of Saudi Arabia with the likes of civil status, nationality, age, salary, and the total years of experiences are vital in planning the strategies to intervene in the turnover. Policymakers can utilize these factors to increase the motivation of these nurses, thereby improving patient outcomes.

**Compliance with ethical standards**

**Conflict of interest**

The authors declare that they have no conflict of interest.

**References**

Adams A and Bond S (2000). Hospital nurses’ job satisfaction, individual and organizational characteristics. Journal of Advanced Nursing, 32(2): 536-543. https://doi.org/10.1046/j.1365-2648.2000.01513.x PMid:11012794

Al-Ameri AS (2000). Job satisfaction and organizational commitment for nurses. Saudi Medical Journal, 21(6): 531-535.

Al-Ahmad HA (2002). Job satisfaction of nurses in ministry of health hospitals in Riyadh, Saudi Arabia. Saudi Medical Journal, 23(6): 645-650.

Alasmari HAM and Douglas C (2012). Job satisfaction and intention to leave among critical care nurses in Saudi Arabia. Middle East Journal of Nursing, 6(4): 3-12.

Al-Momani M (2008). Improving nurse retention in Jordanian public hospitals. Advanced Practice Nursing Journal, 8(4): 1-8.

Alotabi J, Palaiadelis PS, and Valenzuela FR (2016). Factors that affect the job satisfaction of Saudi Arabian nurses. Journal of Nursing Management, 24(3): 275-282. https://doi.org/10.1111/jonm.12327 PMid:26260125

Alkhmeni M (2014). Job satisfaction of Saudi nurses working in Saudi Arabian public hospitals. Ph.D. Dissertation, RMIT University, Melbourne, Australia. https://doi.org/10.1037/e70712013-034

Al-Takroni H, Al-Hindi A, Joshua K, and Al-Harbi A (2018). Job satisfaction among nurses in Al-Qassim hospitals and primary health care centers, Saudi Arabia, 2016. International Journal of Advanced Nursing Studies, 7(1): 34-38. https://doi.org/10.14419/ijans.v7i1.8964

Bawafia E, Wong CA, and Laschinger H (2015). The influence of resonant leadership on the structural empowerment and job satisfaction of registered nurses. Journal of Research in Nursing, 20(7): 610-622. https://doi.org/10.1177/1744987115603441

Beecroft PC, Dorey F, and Wenten M (2008). Turnover intention in new graduate nurses: A multivariate analysis. Journal of Advanced Nursing, 62(1): 41-52. https://doi.org/10.1111/j.1365-2648.2007.04570.x PMid:18352963 PMCid:PMC2440489

Cahill BA (2011). Impact of the state practice environment on nurse practitioner job satisfaction. Ph.D. Dissertation, University of Illinois, Chicago, USA.

Coomer B and Barriball KL (2007). Impact of job satisfaction components on intent to leave and turnover for hospital-based nurses: A review of the research literature. International Journal of Nursing Studies, 44(2): 297-314. https://doi.org/10.1016/j.ijnurstu.2006.02.004 PMid:16631760

Delobelle P, Rawlinson JL, Ntuli S, Malatsi I, Decock R, and Depoorter AM (2011). Job satisfaction and turnover intent of primary healthcare nurses in rural South Africa: A questionnaire survey. Journal of Advanced Nursing, 67(2): 371-383. https://doi.org/10.1111/j.1365-2648.2010.05496.x PMid:21044134

Galletta M, Portoghese I, Carta MG, D’alba E, and Campagna M (2016). The effect of nurse-physician collaboration on job satisfaction, team commitment, and turnover intention in nurses. Research in Nursing and Health, 39(5): 375-385. https://doi.org/10.1002/nur.21733 PMid:27233052

Han G and Jekel M (2011). The mediating role of job satisfaction between leader-member exchange and turnover intentions. Journal of Nursing Management, 19(1): 41-49. https://doi.org/10.1111/j.1365-2834.2010.01184.x PMid:21223404

Junious DL, Johnson RJ, Peters Jr RJ, Markham CM, Kelder SH, and Yacoubian Jr GS (2004). A study of school nurse job satisfaction. The Journal of School Nursing, 20(2): 88-93. http://doi.org/10.1177/10598405040020020601 PMid:15040766

Kavanaugh J, Duffy JA, and Lilly J (2006). The relationship between job satisfaction and demographic variables for healthcare professionals. Management Research News, 29(6): 304-325. https://doi.org/10.1177/105984050600200605

Liu C, Zhang L, Ye W, Zhu J, Cao J, Lu X, and Li F (2012). Job satisfaction and intention to leave: A questionnaire survey of emergency nurses in Shanghai of China. Journal of Clinical Nursing, 21(1-2): 255-263. https://doi.org/10.1111/j.1365-2702.2011.03766.x PMid:21854472

Mari M, Aloumbi A, Alzatreh M, Abunab H, Gonzales A, and Almatari M (2018). International nursing Job satisfaction among critical care nurses in a governmental hospital in Saudi Arabia. Nursing Administration Quarterly, 42(3): E1-E9. https://doi.org/10.1097/NAQ.0000000000000304 PMid:29870496

Masum AKM, Azad MAK, Hoque KE, Beh LS, Wanke P, and Arslan Ö (2016). Job satisfaction and intention to quit: An empirical analysis of nurses in Turkey. PeerJ 4: e1896. https://doi.org/10.7717/peerj.1896

Moumtzoglou A (2010). The Greek nurses’ job satisfaction scale: Development and psychometric assessment. Journal of Nursing Measurement, 18(1): 60-69. https://doi.org/10.1891/1061-3749.18.1.60 PMid:20486478

Murrells T, Robinson S, and Griffiths P (2009). Nurses’ job satisfaction in their early career: Is it the same for all branches of nursing? Journal of Nursing Management, 17(1): 120-134. https://doi.org/10.1111/j.1365-2634.2008.00854.x PMid:19166530

Nikic D, Arandjelovic M, Nikolic M, and Stankovic A (2008). Job satisfaction and intention to leave: A questionnaire survey of nurses in Turkey. PeerJ 4: e1896. https://doi.org/10.7717/peerj.1896

Pasay-an E, Pangket P, Nialla J, and Laban L (2014). Work life balance among nurse educators towards quality life. A mixed...
method study. International Journal of Sciences: Basic and Applied Research, 18(1): 386-401.

Price JL (2001). Reflections on the determinants of voluntary turnover. International Journal of Manpower, 22(7): 600-624. https://doi.org/10.1108/EUM000000000623

Rad MMA and Yarmohammadian HM (2006). A study of relationship between managers’ leadership style and employees’ job satisfaction. Leadership in Health Services, 19(2): 11-28. https://doi.org/10.1108/13660750610665008 PMid:16875105

Ramoo V, Abdullah KL, and Piaw CY (2013). The relationship between job satisfaction and intention to leave current employment among registered nurses in a teaching hospital. Journal of Clinical Nursing, 22(21-22): 3141-3152. https://doi.org/10.1111/jocn.12260 PMid:24118518

Rudman A, Gustavsson P, and Hultell D (2014). A prospective study of nurses’ intentions to leave the profession during their first five years of practice in Sweden. International Journal of Nursing Studies, 51(4): 612-624. https://doi.org/10.1016/j.ijnurstu.2013.09.012 PMid:24207027

Top M and Gider O (2013). Interaction of organizational commitment and job satisfaction of nurses and medical secretaries in Turkey. The International Journal of Human Resource Management, 24(3): 667-683. https://doi.org/10.1080/09585192.2012.680600