ORIGINAL RESEARCH

Burnout and turnover intention as correlates of quality of nursing work life

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Received: March 25, 2025 Accepted: April 9, 2025 Online Published: April 20, 2025

DOI: 10.5430/jnep.v15n6p9 **URL:** https://doi.org/10.5430/jnep.v15n6p9

ABSTRACT

This study examines the levels of burnout, turnover intention, and Quality of Nursing Work Life (QNWL) among registered nurses in Pampanga, as well as their interrelationships. A descriptive-correlational research design was employed, with 128 nurses recruited through convenience sampling. Frequency distribution described burnout, turnover intention, and QNWL, while Pearson's correlation assessed their relationships. Findings revealed moderate burnout (low emotional exhaustion and depersonalization, high personal achievement). Nurses were unlikely to leave the profession but likely to leave their institution within six months. A significant relationship was found between QNWL and burnout, with higher responsibilities linked to increased burnout. Moreover, QNWL negatively correlated with turnover intention, highlighting its role in nurse retention strategies.

Key Words: Burnout, Turnover Intention, Quality of nursing work life

1. Introduction

Nursing is a fundamental pillar of healthcare systems globally, crucial for patient safety and the delivery of high-quality care. However, the Philippines has been grappling with a significant challenge in maintaining an adequate nursing workforce, primarily due to the ongoing migration of Filipino nurses abroad. This exodus has strained the country's healthcare system, limiting its capacity to provide optimal care for its growing population.

In 2014, the Philippine Overseas Employment Administration (POEA) reported that nearly 19,815 nurses left the country. Between 2008 and 2012, around 70,000 Filipino nurses sought employment overseas. By 2017, an estimated 145,800 Filipino nurses were working in the United States, with significant numbers also employed in Gulf countries like Saudi Arabia.

Push factors contributing to this migration include low wages, inadequate benefits, limited professional growth opportunities, high nurse-to-patient ratios, and weak enforcement of nursing laws. [4–6] Consequently, the Philippines faces a shortage of registered nurses to meet its domestic healthcare needs. [6]

As of 2019, the Department of Health (DOH) reported approximately 465,966 nurses serving a population exceeding 107 million. The COVID-19 pandemic further exacerbated this shortage, increasing nurse turnover. [7] The DOH estimates that an additional 127,000 nurses are needed to maintain adequate healthcare services. [8] The World Health Organization (WHO) projects a shortfall of 249,843 nurses by 2030 in the Philippines alone, contributing to a global nursing deficit of 4.6 million.

Despite the shortage, the number of nursing graduates pass-

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ing the licensure exam remains insufficient. In response, the Commission on Higher Education (CHED) proposed recruiting nursing graduates who failed the exam to work as support staff. However, this was rejected by the Philippine Regulation Commission (PRC) due to legal restrictions under Republic Act 9173, which limits nursing practice to registered nurses.

Many countries, including the Philippines, have failed to adequately invest in their nursing workforce, turning the nursing shortage into a global healthcare crisis. [9] Factors such as increased workloads, extended shifts, and stress have led to widespread burnout among nurses, directly influencing their decision to leave the profession. Addressing these challenges is essential for improving patient outcomes and ensuring a sustainable nursing workforce.

Healthcare organizations must prioritize long-term investments to stabilize the nursing workforce. Studies show that fostering a balanced work-life environment reduces nurse turnover rates^[10] and lowers the intention to leave.^[11] Ensuring work-life balance is crucial for retention, making it essential to examine the relationship between Quality of Nursing Work Life (QNWL), burnout, and turnover intention. This study, focusing on nurses in a major Philippine province, aims to provide valuable insights for policymakers and nursing administrators on strategies for workforce retention.

2. REVIEW OF RELATED LITERATURE

2.1 Burnout

Nursing is a physically and emotionally demanding profession, often involving high-pressure situations and life-and-death decisions. These stressors can lead to burnout, a state of emotional, mental, and physical exhaustion. [12,13] Burnout is a syndrome conceptualized as resulting from chronic work-place stress that has not been successfully managed. [14] It manifests through emotional exhaustion, depersonalization, and reduced personal accomplishment. [15] Contributing factors such as excessive workloads, long hours, and lack of support intensify burnout, leading to high turnover, decreased patient safety, and lower care quality. [16,17]

2.2 Intention to leave

The nursing shortage worsened during the COVID-19 pandemic, as nurses faced extreme stress and higher risks of infection, leading many to consider leaving their jobs. Intention to leave is a strong predictor of actual turnover, [18] and turnover intention has been identified as a crucial cognitive process preceding resignation. [19,20] High workloads and stressful work environments have made nurses more likely to quit their jobs. [21,22]

Factors influencing turnover intention include inadequate staffing, lack of career development opportunities, and poor working conditions.^[23,24] High nurse turnover leads to a loss of skilled professionals, negatively impacting patient care and increasing healthcare costs.^[25]

2.3 Quality of nursing work life

Quality of Nursing Work Life (QNWL) is a measure of how well nurses can balance personal needs with workplace demands while fulfilling organizational goals. [26] It consists of four dimensions: work-life balance, work design, work context, and work world. [27] A supportive work environment enhances job satisfaction and reduces turnover rates, whereas work-life imbalance contributes to absenteeism, decreased productivity, and increased stress. [28]

Research has shown that high levels of burnout correlate with a greater intention to leave. [29] Addressing burnout and improving work-life balance is crucial for sustaining the nursing workforce and ensuring quality patient care. Policymakers must implement strategies to support nurses, promote staff retention, and invest in a resilient healthcare system.

In conclusion, the nursing shortage in the Philippines is a growing crisis driven by migration, burnout, and challenging work conditions. Addressing these issues through policy reforms, improved working conditions, and workforce investment is essential to sustaining the country's healthcare system.

2.4 Research questions

This research study seeks to answer the following research questions:

- 1) To what extent do staff nurses describe their level of burnout?
- 2) To what extent do staff nurses describe their intention to leave the nursing profession, institution and in the next 6 months?
- 3) To what extent do staff nurses describe their level of QNWL?
- 4) Is there a relationship between the staff nurses' burnout and QNWL?
- 5) Is there a relationship between the staff nurses' turnover intention and QNWL?

2.5 Hypotheses

- 1) There is a relationship between the staff nurses' burnout and QNWL.
- 2) There is a relationship between the staff nurses' turnover intention and QNWL.

10 ISSN 1925-4040 E-ISSN 1925-4059

3. METHODS

3.1 Research design

The study uses a cross-sectional descriptive-correlational research design to determine the level of burnout, turnover intention, and level of QNWL and their inter-relationship.

3.2 Sample and setting

The study targeted staff nurses employed in hospitals across Pampanga, using a convenience sampling approach. Participants were required to have a minimum of six months of hospital experience. Invitations to participate were sent via email and Facebook Messenger. The minimum sample size, calculated using G*Power v3.1.9.4, was determined to be 134 nurses. However, after screening completed questionnaires, a total of 128 respondents met the inclusion criteria.

3.3 Instruments

The questionnaire was structured into four sections. The first section provided essential study details, informed consent, and completion guidelines, along with basic demographic information. The second section assessed participants' perceptions of their Quality of Nursing Work Life (QNWL). The third part evaluated their burnout levels, and the final section explored their intention to leave their profession or current workplace.

3.4 Burnout

The Maslach Burnout Inventory (MBI), developed by Maslach and Jackson, [30] was utilized to measure burnout levels. This tool has been widely validated, with reliability confirmed by studies such as among 1,500 Vietnamese healthcare professionals. [31,32] The MBI consists of 22 items rated on a seven-point scale (0 = Never to 6 = Every day), categorized into three dimensions:

1) Emotional Exhaustion (7 items): Measures chronic fatigue, difficulty sleeping, and physical issues. Scores: \leq 17 (Low), 18–29 (Moderate), \geq 30 (High). 2) Depersonalization (7 items): Evaluates emotional detachment, cynicism, guilt, social withdrawal, and avoidance. Scores: \leq 5 (Low), 6–11 (Moderate), \geq 12 (High). 3) Personal Achievement (8 items): Assesses feelings of inefficacy, demotivation, and self-doubt. Scores: \leq 33 (High), 34–39 (Moderate), \geq 40 (Low).

For overall burnout assessment, Personal Achievement scores were reversed, making a high total score reflective of burnout. The total burnout score ranges were: \leq 44 (Low), 45–88 (Moderate), and 89–132 (High).

Intention to Leave Three (3) statements were used for turnover intention:

1) Do you have any intentions of leaving the nursing profession in the near future?

- 2) Do you have any intentions of leaving your institution/hospital?
- 3) Do you intend to leave your hospital in the next six (6) months?

Additionally, to measure turnover intention, the respondents were asked to respond using a five-point Likert scale, ranging from 5 (most likely) to 1 (least likely) in which high scores indicated a greater intention to leave; each question was used to compute for Pearson R.

3.5 Quality of nursing work life

The Quality of Nursing Work Life Survey (English Version) developed by Beth Brooks (2001) was employed to assess QNWL. Brooks reported a high internal consistency (Cronbach's α = 0.89), corroborated by Sirin et al. (2015) in a study of 518 inpatient hospital nurses in Turkey. Permission to use the tool was obtained from Brooks.

The survey consists of 42 items rated on a six-point Likert scale (1 = Strongly Disagree to 6 = Strongly Agree), with negatively worded items reverse-scored. The QNWL is categorized into four dimensions:

- 1) Work Life/Home Life (7 items)
- 2) Work Design (10 items)
- 3) Work Context (20 items)
- 4) Work World (5 items)

Total scores range from 42 to 252, with higher scores indicating better QNWL. Categorization: Low (42–112), Moderate (113–182), High (183–252).

3.6 Data collection

Data was gathered through an anonymous online survey created using Google Forms. The questionnaire was distributed via Facebook Messenger and email invitations from May 26 to June 25, 2023. A total of 135 respondents consented and completed the survey without errors. However, seven responses from rural health facilities were excluded, resulting in a final sample of 128 participants. Data was downloaded in aggregate format using a spreadsheet application and securely stored on a password-protected computer. All online copies will be retained for three years before deletion, ensuring no data duplication.

3.7 Data analysis

Data collected are presented using frequency distribution (%) of respondents by level of burnout, turnover intention, and the level of QNWL. Pearson product-moment correlation coefficient (PPMCC) was utilized to determine the relationship between QNWL and the level of burnout, and between QNWL to turnover intention.

3.8 Ethical considerations

Important ethical considerations have been followed, including the anonymity of the respondents and confidentiality of their responses. Furthermore, the researcher ensured that informed consent was given, and participation was voluntary. The study was reviewed and approved by the HAU-IRB. Clinical trial number: not applicable.

3.9 Results

Table 1 shows that most of the respondents are female (69.5%), married (63.3%), and 12.5% of them finished their master's degree. The majority of the respondents are assigned to ICU (34.4%), Emergency room (16.4%), and Medical Surgical unit (18%). Most of them have at least 1-5 years of clinical experience (53.1%) and are currently working in tertiary hospital (82%).

Nurses' frequency scores on the Burnout Syndrome are shown in Table 2. It can be interpreted that most of the nurses have a low level of emotional exhaustion (61.8%), a low level of depersonalization (44.3%), and a high level of personal achievement (48.1%). Overall, more than two-thirds of staff nurses had moderate to high level of burnout.

The nurse's turnover intention frequency data is shown in Table 3. It presents that 56 (42.8%) respondents are unlikely to leave the nursing profession, while 42 (31.1%) have the intention to leave the nursing profession. On the other hand, most of the nurses (59.6%) intend to leave their institution, and 19 (15.5%) are unlikely to leave their institution. Lastly, 54 nurses (41.2%) intend to leave in the next 6 months and 41(31.3%) are unlikely to leave.

The nurse's QNWL frequency scores are shown in Table 4. The work and home life scale showed that 56 (42.7%) nurses are on a moderate level, and 28 (21.4%) nurses are on a high level. For the work design subscale, 111 staff nurses (84.7%) are on a moderate level while seven (5.3%) are on a high level. In the work context scale, 61 (46.6%) nurses reported a moderate level and 61 (46.6%) nurses as high level. In the

work world subscale, 60 nurses (45.8%) are on a moderate level, and 30 (22.9%) are on a high level. Lastly, in the overall QNWL, 66 respondents (50.4%) at a moderate level of QNWL, and 31 (23.7%) had a high level of QNWL.

Table 1. Participant's personal profile (N = 128)

Characteristics	Frequency	Percent (%)
Gender		
Male	39	30.5
Female	89	69.5
Civil status		
Single	47	36.7
Married	81	63.3
Educational Attainment		
BSN	111	86.7
Masteral	16	12.5
Doctoral	1	.8
Unit assigned		
ICU	44	34.4
ER	21	16.4
OR	9	7.0
MS	18	14.1
PICU	5	3.9
NICU	7	5.5
OB	6	4.7
GW	14	9.6
PW	2	1.6
Ortho	2	1.6
Years in Service		
Less than a year	14	10.9
1-5	68	53.1
6-10	46	35.9
Level of Hospital		
Primary	5	3.9
Secondary	18	14.1
Tertiary	105	82.0

Table 2. Burnout (N = 128)

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Burnout	Emotional Exhaustion		Depersonalization		Personal Achievement		Total Burnout Score	
	Frequency	%	Frequency	%	Frequency	%	Frequency	%
Low Level	81	61.8	58	44.3	27	20.6	38	29.7
Moderate Level	35	26.7	41	31.3	38	29.0	86	67.2
High Level	12	9.2	29	22.1	63	48.1	4	3.1

The correlation between the Quality of Nursing Work Life and Burnout is shown in Table 5. A positive correlation was observed between Work/Home Life to Emotional Exhaustion (r = .237, p < .01), and Work Context to Emotional Exhaustion (r = .193, p < .05), and the overall QNWL to Emo-

tional Exhaustion (r = .181, p < .05). In addition, a negative correlation was observed between total QNWL to Personal Achievement (r = .297, p < .01). Lastly, total QNWL has a positive correlation to total burnout score (r = .472, p < .01).

Table 3. Turnover intention (N = 128)

Turnover Intention	Nursing	Profession	Institutio	on	In the no	ext 6 months
Most Unlikely	15	11.5%	6	4.6%	20	15.3%
Unlikely	41	31.3%	13	9.9%	21	16.0%
Neutral	30	22.9%	31	23.7%	33	25.2%
Likely	25	19.1%	42	32.1%	33	25.2%
Most Likely	17	13.0%	36	27.5%	21	16.0%

Table 4. Quality of nursing work life (N = 128)

ONWL Subscales Work life/Home life		Work Design		Work Context		Work World		Total QNWL		
QIVVE Subscales	Frequency	%	Frequency	%	Frequency	%	Frequency	%	Frequency	%
Low Level	44	33.6	10	7.6	6	4.6	38	29.0	31	23.7
Moderate Level	56	42.7	111	84.7	61	46.6	60	45.8	66	50.4
High Level	28	21.4	7	5.3	61	46.6	30	22.9	31	23.7

Table 5. Correlation between the quality of nursing work life and burnout

	Emotional Exhaustion	Depersonalization	Personal Achievement	Total Burnout Score
Total QNWL	.181	.087	297	.471
Work/Home Life	.237	.078	269	.007
Work Design	.020	046	406	.444
Work Context	.193	.106	261	.360
Work World	.160	.125	270	.400

The research findings reveal a significant relationship between staff nurses' QNWL and their level of burnout, particularly regarding emotional exhaustion and personal achievement. Nurses with more responsibilities at home and work tend to experience greater emotional exhaustion, highlighting how their perceptions of work life are affected by high levels of exhaustion. A lack of personal accomplishment correlates with reduced productivity and burnout. While poor QNWL is associated with burnout in a stressful work environment, no significant relationship was found between QNWL and depersonalization, which aligns with similar studies, such as one in China.^[33] The correlation between the Quality of Nursing Work Life and Turnover Intention is reported in Table 6. A negative correlation was observed between QNWL to intention to leave the Nursing profession (r = -.309, p <.01); ONWL to intention to leave the hospital (r = -.306, p <01); QNWL to intention to leave in the next 6 months (r =-.323, p < .01).

The findings suggest an inverse relationship between staff nurses' QNWL and their intention to leave their profession or institution within six months. Nurses who perceive a higher quality of work life are less likely to leave, while those with lower QNWL are more likely to plan to exit their profession or hospital.

Table 6. Correlation between quality of nursing work life and turnover intention

	Intention to leave the Nursing	Intention to leave the	Intention to leave in the
Total ONIVI	profession 309	hospital 306	next 6 months
Total QNWL			323
Work/Home Life	283	217	224
Work Design	363	350	379
Work Context	289	289	302
Work World	258	345	375

4. DISCUSSIONS

4.1 Burnout

The study reveals that registered nurses in Pampanga experience moderate burnout, with low levels of emotional exhaustion and depersonalization, and high levels of personal achievement. Emotional exhaustion and depersonalization are core elements of burnout, while diminished personal accomplishment can be both a precursor and result of burnout. Stress and lack of support may contribute to lower personal achievement. The low emotional exhaustion and depersonalization observed may be due to strong emotional support from family and coworkers, helping to alleviate fatigue. A positive work environment, including supportive leadership and teamwork, can protect against

burnout.^[36] Additionally, older, more experienced nurses tend to have better coping skills, reducing burnout risk.^[37] The COVID-19 pandemic exacerbated burnout, with high nurse-to-patient ratios and excessive workloads contributing to greater stress, especially among younger and single nurses.^[38,39]

4.2 Turnover intention

Most respondents indicated that they are unlikely to leave the nursing profession, likely due to their extensive experience. Research suggests that as nurses gain more work experience, their likelihood of leaving decreases. [4,40] Additionally, turnover intention tends to decline with age. [41] However, a significant number of respondents expressed the intention to leave their institution within the next six months. Studies show that newly graduated or less experienced nurses are more likely to resign, often seeking opportunities abroad. [42] Salary issues and limited career advancement opportunities are key factors contributing to turnover. [29]

4.3 Quality of nursing work life

The study revealed that the QNWL of registered nurses in Pampanga is moderate, aligning with findings from India, Saudi Arabia, Oman, and Turkey. [43,44] Factors such as heavy workloads, low staffing, and time constraints contribute to reduced QNWL, as supported by prior studies. [45] Nurses also reported shortages in essential supplies, affecting their efficiency and healthcare quality. [45] While respondents expressed dissatisfaction with recognition, salary, and job security, those with 5-10 years of experience showed better coping abilities, suggesting that experience, skill development, and family support improve QNWL. [46]

4.4 Correlation of QNWL to burnout

The study revealed a significant positive correlation between total QNWL and emotional exhaustion (r = .181) and total burnout (r = .471), while a negative correlation was found between QNWL and personal achievement (r = .297). No significant relationship was observed with depersonalization. The p-value for the correlation between QNWL and burnout was below the significance threshold (p < .05), supporting the hypothesis that QNWL affects burnout levels. Heavy work and home responsibilities contribute to emotional exhaustion and burnout, which negatively impact nurses' well-being, productivity, and patient care quality. Effective burnout management and prioritizing QNWL are crucial in mitigating these effects.

4.5 Correlation of QNWL to turnover intention

This study explored the link between nurses' Quality of Nursing Work Life (QNWL) and turnover intention, finding

a negative correlation. The p-value for the relationship between QNWL subscales and turnover intention was below the significance threshold (p < 0.05), supporting the hypothesis. Higher QNWL is associated with lower turnover intention, consistent with previous studies.^[22,47] Additionally, less experienced nurses are more likely to leave due to factors like low salaries and heavy workloads, while older nurses tend to stay due to family responsibilities.

5. CONCLUSION

Quality of Nursing Work Life (QNWL) impacts nurse burnout and turnover intention. The study suggests that improving QNWL should be a key strategy for retaining nurses. Moderate burnout and QNWL levels highlight concerns like rotating schedules, understaffing, and low salaries. Strengthening QNWL is essential to address these issues and stabilize the nursing workforce.

5.1 Implication to nursing administration

Nurses are vital to healthcare, yet retention remains challenging. This study highlights the need to prioritize QNWL to improve work-life balance, reduce burnout, and lower turnover intention. Policymakers and healthcare leaders must invest in recruitment, retention, fair compensation, and career growth to stabilize the workforce and enhance care quality.

5.2 Recommendations and directions for future research

This study has limitations, including the inability to differentiate between nurses from private and government hospitals, a lengthy questionnaire, and an insufficient sample size. Its cross-sectional design prevents causal conclusions. Future research should explore burnout factors, QNWL comparisons, turnover predictors, and nurses' perspectives on retention.

ACKNOWLEDGEMENTS

The author wishes to express sincere gratitude to Ms. Rosalinda Cruz for her expert guidance, insightful feedback, and steadfast support throughout the course of this research. Appreciation is also extended to the faculty of the School of Nursing and Allied Medical Sciences (SNAMS) Graduate School at Holy Angel University for their academic mentorship and administrative assistance. Most importantly, heartfelt thanks go to my family, especially my husband, Ferdinand Gerome Reyes, for his unwavering encouragement, patience, sacrifices, and emotional support, all of which have been a source of strength throughout this academic journey.

AUTHORS CONTRIBUTIONS

Not Applicable.

FUNDING

Not Applicable.

CONFLICTS OF INTEREST DISCLOSURE

The author declares that there is no conflict of interest.

INFORMED CONSENT

Obtained.

ETHICS APPROVAL

The Publication Ethics Committee of the Sciedu Press. The journal's policies adhere to the Core Practices established by the Committee on Publication Ethics (COPE).

PROVENANCE AND PEER REVIEW

Not commissioned; externally double-blind peer reviewed.

DATA AVAILABILITY STATEMENT

The data that support the findings of this study are available on request from the corresponding author. The data are not publicly available due to privacy or ethical restrictions.

DATA SHARING STATEMENT

No additional data are available.

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