Cultivating Quality Work-Life Balance: A Critical Factor in Enhancing Nursing Careers and Patient Wellbeing

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Abstract: Quality Work-Life Balance (QWLB) is a major topic in nursing, reflecting the delicate balance nurses must strike between work and life. This balance is crucial because nurses must provide excellent patient care while protecting their health. QWLB has been recognized worldwide, sparking conversations, research, and regulatory changes to improve nurses' working conditions. Nurses worldwide use different QWLB tactics, affecting their well-being and patient care. Building a resilient nursing workforce requires understanding these techniques. QWLB is difficult due to staffing shortages, long hours, and poor support systems, which require a closer look at nursing working conditions. This comprehensive study uses previous reviews to examine QWLB in nursing's significance, global viewpoints, the Indian setting, nurses' coping mechanisms, and ongoing issues. Nursing is hard; therefore, work-life balance is essential. Strategies include setting limits, managing time, and developing professionally. Nurses must set limitations to safeguard personal time, handle erratic shifts, and maximize time. These techniques reduce burnout stress and improve patient care and well-being.

1. Introduction

Quality Work-Life Balance (QWLB) is a pivotal concept within nursing, symbolic of the delicate equilibrium nurses strive to maintain between their professional commitments and personal lives. Given nurses' dual responsibility, this equilibrium is paramount: delivering optimal patient care and preserving their well-being. On a global scale, the phrase 'Quality Work-Life

Balance' has garnered increasing recognition as an integral component of the healthcare landscape. This acknowledgment has catalyzed a proliferation of discussions, research endeavours, and policy initiatives, all aimed at enhancing working conditions for nurses worldwide. Given this evolving narrative, we must explore the varied interpretations and strategies of QWLB across different nations and healthcare systems.

In India, where the nursing profession plays a central role in healthcare delivery, the approach to QWLB presents distinctive challenges and opportunities. India's cultural, societal, and healthcare milieu profoundly influences nurses' experiences as they strive to establish a harmonious equilibrium between their professional and personal spheres.

Nurses employ many strategies to address QWLB-related issues regardless of their geographical location. These strategies profoundly impact their well-being and reverberate within patient care. Therefore, a comprehensive comprehension of these approaches becomes quintessential to forging a robust and resilient nursing workforce.

In the Indian context, achieving a Quality Work-Life Balance (QWLB) remains a significant challenge for nurses, primarily due to staffing shortages, extended working hours, and, at times, inadequate support systems. These challenges necessitate a closer examination of the working conditions within the nursing profession, with a keen awareness of the potential consequences for patient safety and nurse retention.

Exploring existing reviews and research within this domain is imperative to attain a more profound understanding of the multifaceted concept of QWLB in nursing. Such investigations can illuminate the current state of the nursing profession, pinpoint areas requiring improvement, and provide evidence-based solutions to enhance the well-being of nurses, all while upholding the highest standards of patient care. This comprehensive study aims to delve into various facets of QWLB in nursing, encompassing its significance, global perspectives, the unique Indian context, nurses' coping strategies, and the persisting challenges. It does so while considering the invaluable insights offered by existing reviews in this field.

In a recent study conducted by Maslakçı et al., [17] an evaluation was undertaken regarding the perceptions of nurses with low psychological well-being concerning the impact of the COVID-19 pandemic on their career satisfaction. The findings of this study revealed that nurses experiencing lower psychological well-being were more prone to reporting feelings of stress, anxiety, and depression. Furthermore, they exhibited a higher likelihood of reporting burnout and facing difficulties in coping with the demands inherent in their profession.

2. Review of Literature

Cultivating a quality work-life balance is increasingly recognized as a critical factor in enhancing nursing careers and improving patient well-being. The nursing profession is characterized by high demands and stress levels, which can lead to burnout and job dissatisfaction if not managed effectively. Research indicates that a well-structured work-life balance can significantly enhance nurses' job satisfaction, retention rates, and career satisfaction, ultimately benefiting patient care and outcomes.

The importance of work-life balance in nursing cannot be overstated. Studies have shown that nurses who perceive a better balance between their professional and personal lives report higher job satisfaction and organizational commitment [6]. For instance, a qualitative study highlighted that flexible work systems tailored to the needs of nurses can improve their quality of life and job satisfaction, particularly for those managing dual-income households [31]. Kumar et al. [15] investigate the impact of training and development programs on employee performance in Lebanese SMEs.

Moreover, the relationship between work-life balance and job satisfaction is well-documented. A study focusing on operation room nurses found a significant correlation between work-life balance and job satisfaction, indicating that a lack of balance can lead to increased job stress and dissatisfaction [12]. In addition to job satisfaction, work-life balance plays a vital role in the retention of nursing staff. Research indicates that nurses who achieve a satisfactory work-life balance are less likely to consider leaving their jobs [1]. For example, a study conducted in Malaysia found that many nurses struggled to balance their work and personal lives, leading to increased turnover intentions and decreased quality of life [20]. This finding highlights the urgent need for healthcare organizations to prioritize work-life balance initiatives to retain skilled nursing professionals.

The impact of work-life balance extends beyond individual nurses to influence patient outcomes. Nurses who experience high job satisfaction and low-stress levels are more likely to provide high-quality patient care [24]. Furthermore, implementing effective work-life balance strategies can mitigate the risk of burnout among nursing staff. Burnout is a prevalent issue in the nursing profession, often resulting from prolonged stress and inadequate support systems [5]. For instance, interventions to enhance resilience and reduce stress have been linked to better work-life balance and nurse job satisfaction [22]. This suggests that healthcare organizations should invest in programs that support nurses' mental well-being as part of their work-life balance initiatives.

Improving employees' potential and promoting behavior that is crucial for both people and society are frequently seen as improving the quality of work life. Therefore, it is essential to understand this idea thoroughly. High levels of QWL among employees may lead to employment satisfaction and better work engagement [26].

Van der Stede et al. [30] also specified that bonuses act as a tool to encourage employees to exert a high level of effort to improve the workers' performance. Accordingly, Ponta et al. [21] explained that bonuses as a monetary component substantially affect employee performance. Ali et al. [2] have no agreement with the current study findings regarding the total score of organizational commitment. They reported that more than half of the staff nurses had a high level of commitment, and more than one-third had a moderate level.

While healthcare professionals (HCPs) may feel satisfied in treating patients, they are subjected to a high-stress level due to workload, the nature of work, and a higher risk of exposure [15]. Patients may have stress due to the work practice setting and lack of expertise in infectious disease [16]; [10].

According to Nayak et al. [19], recent organizational changes influence the working environment, skill requirements, organizational norms and tactics, leadership style, and employee expectations. To build a "quality culture," the business sector prioritizes "Quality" [28]; [3]. Work-life balance refers to the equilibrium between professional and personal life. It involves allocating time and energy to one's career while nurturing personal relationships, pursuing hobbies, and caring for one's physical and emotional health. Achieving work-life balance is essential for well-being, job satisfaction, and long-term career sustainability.

Work-life balance is critical to well-being, particularly for nurses who often face demanding and high-stress work environments. Achieving and maintaining a healthy work-life balance is essential to prevent burnout, maintain physical and mental health, and sustain a fulfilling personal life. This article explores the concept of work-life balance, the unique challenges nurses face, and strategies to cultivate a better work-life balance for nurses [7]; [9].

A nurse's satisfaction with critical personal requirements, including safety and progress, is reflected in their quality of nursing work life (QNWL). Consequently, the manager must shift from a supervisor to a coach or assistant, ready to provide a hand and support when necessary [14]. Blomberg and Welander [4] affirmed that nurses who find happiness and derive satisfaction in their work would have embarked on several years of service in building the satisfaction and passion that drives them to productive work behaviour. Khan et al. [13] have highlighted the working conditions that create a sense of work alienation among employees, work-related attitudes, behaviours, performance outcomes, motivation, organizational commitment, job satisfaction, well-being, work effort, and performance.

Mushfiqur et al. [18] asserted that growing work hours, locations, the changing environment, and the balance between personal and professional life impose a moral duty on every worker. Tucker et al. [29] and Somers et al. [27] argued that the connection between superiors and subordinates must be geared toward work time and goals. Numerous causes of work alienation have been identified, including bureaucratic control, the use of technology in many positions, organizational fairness, and the quality of social connections with employees and other managers [32]. Additionally, the employee's declaration or assurance that they will retain the existing position. Moreover, the employee is assured of continuing in a profitable job throughout his career [25].

According to Robbins [23], QWL is how firms respond to employees' urge to choose how to construct their lives while working. Quality of work life (QWL) is a process by which a company reacts to the requirements of its workers by creating a system that enables them to participate actively in choices that shape their lives at work. Edem et al. [8] work environment entails employees' safety, job security, good working relationships among employees, recognition for best effort and performance, great inspiration for performing well, and effective involvement in the organization's decision-making processes. According to Jeya Sunitha et al. [11], QWL dimensions such as career growth, training and development, recognition, work nature, and interpersonal relationships in the hospital environment influence nurse satisfaction.

3. Research Methods

This study employs a descriptive research design and combines primary and secondary data sources. Primary data was predominantly gathered through a structured questionnaire to capture respondents' opinions. The study focuses on the Coimbatore District, and data collection employed the Purposive Sampling Method. The questionnaire employed a Likert-type scale, where respondents rated their satisfaction on a scale ranging from 1 (extremely unsatisfied) to 5 (extremely content).

Initially, 300 questionnaires were distributed, and 263 were returned. Subsequently, 37 questionnaires were excluded due to incomplete responses, resulting in a final sample size of 263 questionnaires for analysis. Data analysis involved reliability and

descriptive statistics, with the Cronbach alpha test indicating strong reliability across the entire spectrum of the study, ranging from 0.814 to 0.907. These findings affirm the study's overall high reliability.

4. Analysis and Results

For the Physical Work Environment, healthcare professionals in the private sector (PRIHN) reported a slightly higher mean opinion (3.779) compared to their counterparts in the public sector (PUBHN), with a mean opinion of 3.608. This indicates that, on average, those in the private sector perceived their physical work environment more favorably. This difference was statistically significant with a 't' statistic of 3.0869, highlighting the importance of addressing the physical work environment to enhance the Quality of Work Life, particularly in the public sector (Table 1).

Table 1: Quality Work-Life Balance Factors

No.	QWL factors	Mean opinions		't' statistics
		PUBHN	PRIHN	
1.	Physical Work Environment	3.608	3.779	3.0869*
2.	Organization Culture	3.725	3.887	3.0753*
3.	Relation and Cooperation	3.753	3.617	-2.6467*
4.	Training and Development	3.749	3.795	0.8057
5.	Compensation and Rewards	3.888	3.625	-4.5669**
6.	Job security	3.8596	3.681	-3.2393*
7.	Autonomy of Work	3.744	3.885	2.7131*
8.	Organizational Support	3.831	3.574	-4.5721**
9.	Commitment	3.847	3.695	-2.6351*
10	Workplace wellbeing	3.728	3.551	-2.7115*

Source: Primary data

Organization Culture exhibited a similar pattern, where healthcare professionals in the private sector (PRIHN) rated it slightly higher (3.887) than those in the public sector (PUBHN), who had a mean opinion of 3.725. Again, this difference was statistically significant (t statistic of 3.0753), emphasizing the need for fostering a positive organizational culture, especially within public healthcare institutions.
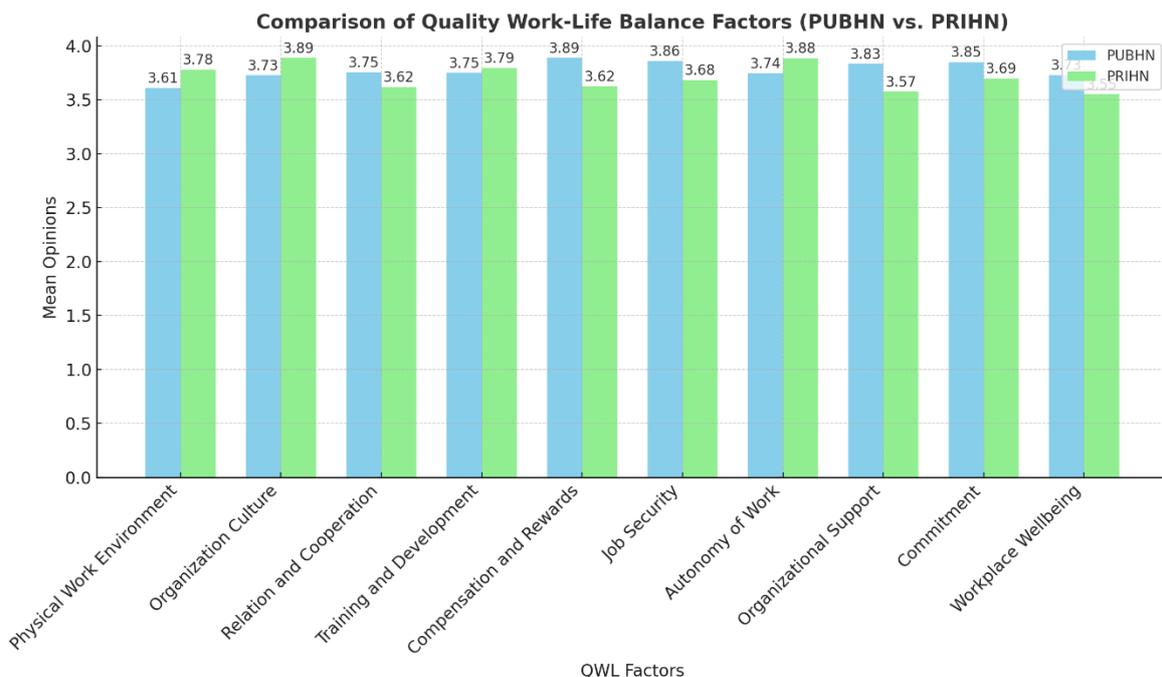
Figure 1: Comparison of Quality Work-Life Balance Factors (PUBHN Vs. PRIHN)

Figure 1 compares the mean opinions of Quality Work-Life (QWL) Balance factors between PUBHN and PRIHN groups. It displays the ratings for various factors, such as Physical Work Environment, Organizational Culture, and Compensation and Rewards. Each pair of bars represents the scores from PUBHN (in blue) and PRIHN (in green). The values on top of each bar indicate the mean scores, showing differences in perceptions between the two groups. This visual representation helps understand which aspects are rated higher by each group, highlighting the areas of agreement and divergence in their views on work-life quality.

Compensation and Rewards received a significantly higher rating from healthcare professionals in the public sector (PUBHN) with a mean opinion of 3.888, compared to the private sector (PRIHN) with a mean opinion of 3.625, resulting in a substantial 't' statistic of -4.5669. Organizational Support and Job Security were also rated significantly higher by healthcare professionals in the public sector. These findings suggest that public healthcare organizations offer more robust compensation, rewards, job security, and organizational support, which might contribute to the higher mean opinions in these areas.

Table 2: Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change	Durbin-Watson
					Change Statistics					
1	.870[a]	.756	.747	.452	.756	80.430	10	259	.000	2.325
a. Predictors: (Constant), Workplace well-being, Physical Work Environment, Autonomy of Work, Compensation and Rewards, Relation and Cooperation, Job security, Organizational Support, Training and Development, Organization Culture, Commitment										
b. Dependent Variable: QWL										

Table 2 underscores that the ensemble of predictor variables significantly explains the variation in Quality of Work Life (QWL). Approximately 75.6% of the variability in QWL can be accounted for by these predictors, even after accounting for the number of predictors. The overall model is statistically significant, as evidenced by the low p-value for the F statistic. Furthermore, the absence of significant autocorrelation in the residuals indicates that the model is well-suited for explaining QWL within the context of the examined factors.

Table 3: ANOVA[a]

|	Model	Sum of Squares	df	Mean Square	F	Sig.
1	Regression	164.216	10	16.422	80.430	.000[b]
	Residual	52.881	259	.204		
	Total	217.096	269			
a. Dependent Variable: QWL						
b. Predictors: (Constant) Workplace wellbeing, Physical Work Environment, Autonomy of Work, Compensation and Rewards, Relation and Cooperation, Job security, Organizational Support, Training and Development, Organization Culture, Commitment						

The ANOVA table 3 reveals that the regression model, which incorporates the abovementioned predictors, is highly significant in explaining the variation in Quality of Work Life (QWL). The F-statistic of 80.430, associated with a p-value (p < 0.001), indicates that the model collectively contributes significantly to understanding QWL. This suggests that at least one of the predictor variables has a significant impact on QWL.

Table 4: Coefficients[a]

	Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	3.692	.467		7.899	.000
	Physical Work Environment	.132	.040	.112	3.322	.001
	Organization Culture	.060	.054	.059	1.127	.261
	Relation and Cooperation	-.181	.046	-.161	-3.975	.000
	Training and Development	-.413	.057	-.365	-7.257	.000
	Compensation and Rewards	-.272	.056	-.183	-4.890	.000

Job security	.175	.036	.232	4.898	.000
Autonomy of Work	-.053	.053	-.063	-.992	.322
Organizational Support	.257	.048	.320	5.390	.000
Commitment	.495	.067	.511	7.337	.000
Workplace wellbeing	-.084	.056	-.089	-1.514	.131
a. *Dependent Variable: QWL*					

Several key findings emerge in the regression model exploring the Quality of Work Life (QWL) determinants (Table 4). The constant term or intercept is 3.692, representing the baseline QWL score when all predictor variables are set to zero. Among the predictor variables, the Physical Work Environment exhibits a statistically significant positive influence, with a standardized coefficient (Beta) of 0.112, implying that an improvement of one unit in the physical work environment corresponds to an increase of 0.132 units in QWL. Conversely, relationship and cooperation demonstrate a significant negative impact, with a standardized coefficient of -0.161, suggesting that a one-unit decrease in relation and cooperation results in a decrease of 0.181 units in QWL.
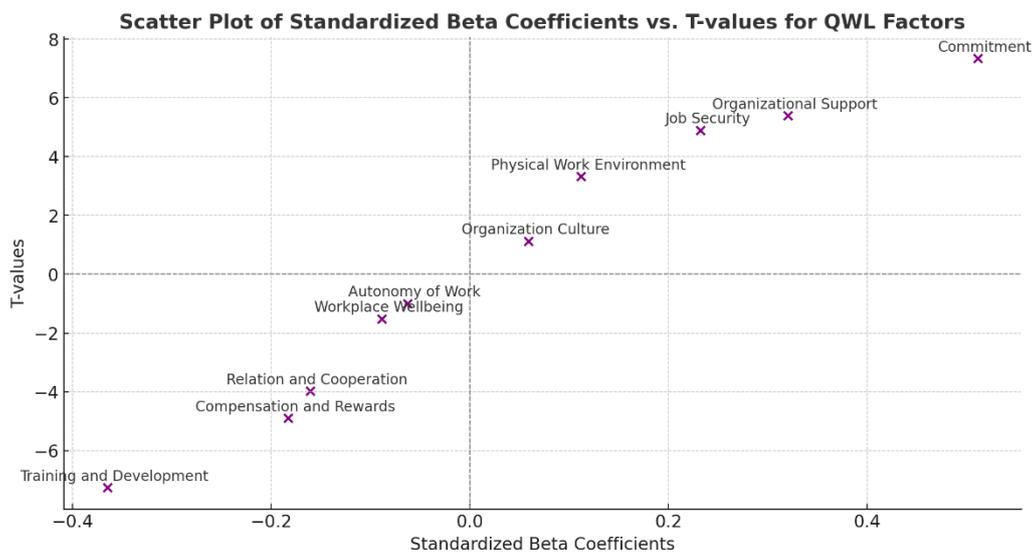
Figure 2: Scatter Plot of Standardized Beta Coefficients Vs. T-Values for QWL Factors

Figure 2 is a Scatter Plot of Standardized Beta Coefficients vs. T-values for Quality Work-Life (QWL) factors. It visualizes the relationship between each factor's impact (Beta values) and significance (T-values) on Quality Work-Life. Positive Beta values indicate a positive relationship, while negative values indicate a negative relationship. The plot helps identify which factors have a strong influence and high significance, such as "Commitment" and "Organizational Support," compared to those with lesser impact, like "Autonomy of Work" and "Workplace Wellbeing." This visual analysis aids in understanding the key drivers of QWL.

Training and Development, Compensation and Rewards, and Job Security also display significant negative influences on QWL, underscoring their importance in shaping employees' well-being. Conversely, Commitment and Organizational Support emerge as powerful drivers of QWL, with standardized coefficients of 0.511 and 0.320, respectively. These results shed light on the critical role of these factors in fostering a positive work environment and employee satisfaction. However, organizational culture and Autonomy of Work do not exhibit statistically significant effects on QWL. This analysis provides valuable insights for organizations seeking to enhance the quality of work life for their employees, highlighting the need to prioritize factors such as commitment, support, and a positive physical work environment.

5. Suggestions

CA's positive organizational culture can foster job satisfaction and retention among nurses. Healthcare institutions should promote a culture that values open communication, teamwork, and transparency. Encouraging feedback from nurses and involving them in decision-making processes can strengthen their sense of belonging and commitment to the organization.

Competitive compensation packages and recognition for nurses' hard work are essential for retaining talent. Organizations should regularly review and adjust salaries to match industry standards. Implementing a performance-based rewards system, including bonuses or acknowledgment programs, can motivate and retain nursing staff.

Ensuring job security for nurses is paramount to reducing turnover. Healthcare institutions should strive for long-term contracts and offer clear career progression pathways. Regular performance evaluations and advancement opportunities can enhance job security and job satisfaction. Nurses' autonomy in decision-making can positively impact job satisfaction. Organizations should empower nurses to make clinical decisions within their scope of practice. Encouraging nurses to participate in shared governance and quality improvement initiatives can further enhance their sense of autonomy.

Organizational support is essential for nurses' well-being. Healthcare institutions should establish robust employee assistance programs (EAPs) and provide counseling services to address work-related stress. Implementing peer support networks and mentorship programs can also offer emotional support to nurses. Nurses' commitment to their profession and organization is crucial for long-term retention. Encouraging nurses to engage in professional development activities, such as attending conferences and joining professional associations, can foster a sense of commitment.

6. Managerial Implications

Setting clear boundaries is essential for maintaining a healthy work-life balance. It involves establishing well-defined limits on the time and energy allocated to one's professional responsibilities and personal life. By doing so, individuals can effectively protect their time, ensuring that they have opportunities to relax, recharge, and engage in activities outside of work. Clear boundaries also help prevent burnout and improve overall well-being by allowing individuals to create a separation between their professional and personal domains, ultimately contributing to a more fulfilling and balanced life.

6.1. Shift scheduling

Shift scheduling plays a pivotal role in the work pressure experienced by nurses. Nursing involves round-the-clock care, and many nurses must work rotating shifts, including nights, weekends, and holidays. This irregular shift schedule can disrupt normal sleep patterns, leading to fatigue and potential health issues. Moreover, the demanding and fast-paced nature of nursing can contribute to high work pressure. Nurses often handle heavy workloads, complex patient cases, and emotionally charged situations, all of which can lead to stress and burnout. To mitigate these challenges, healthcare organizations should consider more flexible scheduling options and provide adequate support systems to help nurses cope with the pressures of their profession, ultimately ensuring the well-being of both nurses and patients.

6.2. Effective time management

Effective time management is vital for nurses to manage their work responsibilities and mitigate stress. The healthcare environment often demands multitasking, timely emergency responses, and strict schedule adherence. Nurses who excel in time management can prioritize tasks, allocate resources efficiently, and minimize the risk of feeling overwhelmed. Furthermore, they can create time buffers for unexpected situations, reducing stress levels. Coupled with stress management techniques like mindfulness, deep breathing exercises, or regular breaks, effective time management helps nurses maintain composure and handle challenging situations more easily. This combination empowers nurses to deliver high-quality care while minimizing the toll of stress on their well-being.

6.3. Professional development

Professional development is a cornerstone of career growth and excellence for nurses. It encompasses a lifelong commitment to learning, skill enhancement, and staying updated with the latest advancements in healthcare. Nurses who invest in professional development expand their knowledge base and become more versatile and adaptable in a rapidly evolving field. Pursuing higher degrees, attending conferences, obtaining specialized certifications, and participating in ongoing training are common avenues for professional development. This dedication to continuous learning benefits nurses individually by opening doors to career advancement and enhancing the overall quality of patient care, making it an essential aspect of nursing practice.

7. Conclusion

In conclusion, cultivating a positive organizational culture is essential for fostering job satisfaction and retaining nurses in healthcare institutions. Organizations can enhance nurses' sense of belonging and commitment by promoting open communication, teamwork, and transparency. Competitive compensation, recognition for hard work, and ensuring job security are crucial factors in reducing turnover and promoting long-term retention. Empowering nurses with autonomy in decision-

making and involving them in governance and quality improvement initiatives further strengthens their professional fulfillment. To support nurses' well-being, healthcare institutions should implement robust assistance programs, provide mentorship, and promote professional development. Offering opportunities for continuous learning enhances nurses' skills and improves the overall quality of care provided to patients. Shift scheduling and effective time management significantly reduce work pressure and prevent burnout. Flexible scheduling options and stress management techniques can help nurses maintain composure while delivering high-quality care. Establishing clear boundaries and promoting work-life balance is critical in ensuring nurses' well-being and ability to provide excellent patient care. By prioritizing these factors, healthcare organizations can create an environment that supports their nursing staff's personal and professional growth, resulting in better patient outcomes and a more sustainable workforce.

Reference

1. S. Abdallah and S. Mostafa, "Intensive care unit nurses' work life balance, job attraction and retention," Tanta Scientific Nursing Journal, vol. 21, no. 2, pp. 8–29, 2021.
2. H. M. Ali, S. A. Abood, and M. Thabet, "Relation between Leadership Styles and Behaviors of Nurse Managers' and Organizational Commitment of Staff Nurses," Minia Scientific Nursing Journal, vol. 7, no. 1, pp. 54–62, 2020.
3. O. F. Al-Kurdi, R. El-Haddadeh, and T. Eldabi, "The role of organizational climate in managing knowledge sharing among academics in higher education," Int. J. Inf. Manage., vol. 50, no.2, pp. 217–227, 2020.
4. H. Blomberg and J. Welander, "A narrative study of newly graduated registered Swedish nurses' establishment in the profession and the portrayal of a healthcare organization," J. Health Organ. Manag., vol. 33, no. 4, pp. 413–425, 2019.
5. S. A. Boamah, H. Y. Hamadi, F. Havaei, H. Smith, and F. Webb, "Striking a balance between work and play: The effects of work-life interference and burnout on faculty turnover intentions and career satisfaction," Int. J. Environ. Res. Public Health, vol. 19, no. 2, p. 809, 2022.
6. S. A. Boamah, M. E. Kalu, F. Havaei, K. McMillan, and E. Belita, "Predictors of nursing faculty job and career satisfaction, turnover intentions, and professional outlook: A national survey," Healthcare (Basel), vol. 11, no. 14, p.209, 2023.
7. V. P. N. Das, D. Deepa, and P. S. Venkateswaran, "Emotional intelligence and stress coping strategies among employees in the insurance sector," International Journal of Mechanical Engineering and Technology (IJMET), vol. 10, no. 2, pp. 11–14, 2019.
8. M. J. Edem, E. U. Akpan, and N. M. Pepple, "Impact of workplace environment on health workers," Occupational Medicine and Health Affairs, vol. 5, no. 2, pp. 1–5, 2017.
9. L. C. Higgins, Work-life balance and burnout: What nurses need to know. American Nurse Today, vol.14, no.11, pp.14-17, 2019.
10. W. Iffat, S. Nesar, S Shakeel., A. Qamar, S. Nazar, M Rahim, et al., Measures of depressive symptoms using beck depression inventory-ii among healthcare professionals during a pandemic of Covid-19. Lat. Am. J. Pharm. Vol.40, no.4, pp.729–734, 2021
11. J. Jeya Sunitha, S. Manimaran, and P. S. Venkateswaran, "A Study on Quality of Work Life among Nurses in Health Care Sectors in Dindigul," International Journal of Applied Engineering Research, vol. 10, no. 49, pp. 409–412, 2015.
12. O. Khai-Lee, C. Woan-Ching, and Y. Bit-Lian, "Perception of job satisfaction among operation room nurses in a tertiary hospital, Saudi Arabia," Malays. J. Nurs., vol. 12, no. 1, pp. 3–9, 2020.
13. M.A. Khan, D. Jianguo, A. Mann, S. Saleem, K. Boamah, J Usman. Rejuvenating the Concept of Work Alienation Through Job Demands- Resources Model and Examining Its Relationship with Emotional Exhaustion and Explorative and Exploitative Learning. Psychology Research and Behaviour Management. vol. 10, no. 12, pp. 931–941, 2019.

14. Y. Kowitlawkul et al., "Investigating nurses' quality of life and work life balance statuses in Singapore," International nursing review, vol. 66, no. 1, pp. 61–69, 2019.
15. V. R. Kumar, M. Selvaraj, P. S. Venkateswaran, A. Sabarirajan, K. Shatila, and V. Agarwal, "The impact of training and development programs on employees performance: the case of Lebanese SMEs," Int. J. Intellect. Prop. Manag., vol. 12, no. 3, p. 368, 2022.
16. Q. Liu, D. Luo, J.E. Haase, Q. Guo, X.Q. Wang, S Liu., L. Xia., Z. Liu., J. Yang, B.X. Yang, The experiences of healthcare providers during the COVID-19 crisis in China: a qualitative study. The Lancet. Glob Health vol. 8, no. 6, pp. 790–798, 2020.
17. A. Maslakçı, L. Sürücü, and H. Sesen, "Fear of COVID-19 and work-quality of life among nurses: The mediating role of psychological wellbeing," Manag. Sci. Lett., vol.11, no.7, pp. 1985–1990, 2021.
18. R. Mushfiqur, C. Mordi, E. S. Oruh, U. Nwagbara, T. Mordi, and I. M. Turner, "The impacts of work-life-balance (WLB) challenges on social sustainability: The experience of Nigerian female medical doctors," Empl. Relat., vol. 40, no. 5, pp. 868–888, 2018.
19. T. Nayak, C. K. Sahoo, and P. K. Mohanty, "Workplace empowerment, quality of work life and employee commitment: a study on Indian healthcare sector," J. Asia Bus. Stud., vol. 12, no. 2, pp. 117–136, 2018.
20. M. Nurumal, S. Makabe, F. I. Che Jamaludin, H. Fahmi Mohd Yusof, K. T. Aung, and Y. Kowitlawakul, "Work-life balance among teaching hospital nurses in Malaysia," Glob. J. Health Sci., vol. 9, no. 9, p. 81, 2017.
21. L. Ponta, F. Delfino, and G. Cainarca, "The role of monetary incentives: Bonus and/or stimulus," Adm. Sci., vol. 10, no. 1, p. 8, 2020.
22. Y. Qin, J. Liu, and D. Wu, "The impact of emotional intelligence on life satisfaction among Chinese nurses: A chain mediating model," Front. Psychol., vol. 14, no.2, p. 1125465, 2023.
23. S. P. Robbins, "Layoff-survivor sickness: A missing topic in Organizational Behavior," J. Manag. Educ., vol. 23, no. 1, pp. 31–43, 1999.
24. T. Rohita, "Optimizing shift scheduling and work-life balance to improve job satisfaction among female nurses, " Gac," Gac. Med. Caracas, vol. 130, no. 5, pp. S1126-S1132, 2022.
25. H. Sanyal, M W. Hisam, Z A. BaOmar. Loss of Job Security and Its Impact on Employee Performance A Study in Sultanate of Oman.International Journal of Innovative Research & Growth, vol.7, no.6, pp. 204-205, 2018.
26. J. Sinval, M. J. Sirgy, D.-J. Lee, and J. Marôco, "The quality of work life scale: Validity evidence from Brazil and Portugal," Appl. Res. Qual. Life, vol. 15, no. 5, pp. 1323–1351, 2020.
27. M. J. Somers, D. Birnbaum, and J. Casal, "Supervisor support, control over work methods and employee wellbeing: New insights into nonlinearity from artificial neural networks," Int. J. Hum. Resour. Manag, vol. 32, no. 7, pp. 1–23, 2018.
28. S. Sundram et al., "The impact of knowledge management on the performance of employees: The case of small, medium enterprises," Productivity Management, vol. 25, no. 1S, pp. 554–567, 2020.
29. M. K. Tucker, N. L. Jimmieson, and P. Bordia, "Supervisor support as a double-edged sword: Supervisor emotion management accounts for the buffering and reverse-buffering effects of supervisor support," Int. J. Stress Manag., vol. 25, no. 1, pp. 14–34, 2018.
30. W. A. Van der Stede, A. Wu, and S. Y.-C. Wu, "An empirical analysis of employee responses to bonuses and penalties," Account. Rev., vol. 95, no. 6, pp. 395–412, 2020.
31. H. J. Yoo and J. Shim, "Child-rearing experiences of female nurses working three shifts in South Korea: A qualitative study," Int. Nurs. Rev., vol. 69, no. 3, pp. 318–329, 2022.
32. H. Zaki and S. Al-Romeedy, "Job security as a predictor of work alienation among Egyptian travel agencies' employees," Minia Journal of Tourism and Hospitality Research, vol.3, no.1, pp.47-64, 2018.