

# TRANSFORMATIVE LEADERSHIP AND JOB SATISFACTION IN THE NURSING PROFESSION: A NARRATIVE REVIEW

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## ABSTRACT

Introduction: Healthcare organisations require optimal leadership to achieve goals and deliver highquality services. Leadership is the ability to influence employee behaviour and beliefs and is an essential element of a successful organisation. Improving job satisfaction is a key objective in addressing the challenges related to achieving and maintaining quality standards, ensuring patient satisfaction and staff retention. Similarly, transformational leadership has positive effects on nurses' job satisfaction and promotes organisational wellbeing in the workplace.

**Objective:** The purpose of the review is to describe transformational leadership and job satisfaction in the nursing profession through a narrative revision.

**Materials and methods:** The bibliographic research was carried out between September 2022 and March 2024 by consulting databases such as PubMed, CINAHL, and PsycInfo, with time limits of 12 years and Italian and English language filters. All items deemed relevant have been stored and managed with the Zotero IT platform.

**Results:** 16 studies were examined: 1 comparative study, 5 descriptive correlational studies, 1 metaanalysis, 1 systematic review, 4 cross-sectional studies, 2 mixed method studies and 2 unspecified studies. The results of this study are consistent with transformational leadership theory, which highlights the leader's role in providing employees with supportive work environments that result in higher levels of job satisfaction and efficiency.

**Conclusions:** The skills of a transformative leader, such as the ability to listen, provide support, and promote fairness and recognition, are fundamental to increasing nurses' job satisfaction and sustaining environments with a high level of quality of care. Healthcare managers must protect the quality of work undertaken by staff, implementing strategies that can improve nurses' working conditions.

Keywords: Transformational Leadership; Job Satisfaction; Nurse; Work environment.



# INTRODUCTION

Healthcare organisations are social systems in which human resources are the most important factor for the delivery of health care. Such organisations require optimal leadership to achieve goals and deliver high-quality services [1,2]. Leadership is the ability to influence employee attitudes and beliefs and is an essential element of successful and efficient organisations [3,4]. The current challenges of the health system require the presence of flexible and efficient managers [5] because the complexity of nurses' tasks requires complex leadership skills [6]. A wide range of studies have described the favourable outcomes of positive leadership, in particular, the transformational leadership style [7–9]. Transformational leadership motivates problem-solving and intellectual stimulation by influencing staff engagement in the organisation's *mission*. Such leaders stimulate nurses to use problem-solving strategies and provide patient care autonomously and responsibly [10]. Certain studies suggest that transformative leaders have positive effects on the wellbeing and job satisfaction of healthcare workers [4,11]. In addition, transformational leadership transforms nurses' goals and values for the benefit of the nursing profession [12] and work organisation and promotes team communication and collaboration, the work environment and organisational culture [13].

Work satisfaction, defined as "a pleasant emotional state that derives from the judgment of one's work or work experience" [14], is extremely important both for nursing managers and wellbeing of nurses in the workplace. Improving job satisfaction is a key objective in addressing the challenges related to achieving and maintaining quality standards, ensuring patient satisfaction and staff retention [15,16]. The more satisfied employees are, the more motivated they are to work and the greater the possibility of achieving the objectives, with an increase in productivity and quality. Job satisfaction cannot be overlooked if improving work performance is a priority of the organisation [17].

As part of the study, the authors described transformational leadership and staff job satisfaction, with the aim of synthesising the evidence that describes these aspects in the nursing profession.

Transformational leadership theorists indicate that leaders use socialised power to elevate and

empower subordinates and provide the resources needed to achieve more than they thought possible in their work. Intrinsic motivation strategies support nursing autonomy, competence and relationship with others in the context of a mutually supportive environment to foster social and personal development at the service of the organisation's vision, mission, values, aims and objectives. In this way, subordinate nursing staff enjoy satisfaction in overcoming work challenges.

Nursing leaders must be proactive in recognising and addressing the job satisfaction needs of direct care nursing staff in order to maintain high-quality staff as well as the quality of patient care and healthcare environments [18].

# **Objective of the study**

The purpose of the review is to describe transformational leadership and job satisfaction in the nursing profession through a narrative revision of the literature.

## MATERIALS AND METHODS

The bibliographic research was carried out from 1 September 2022 to 31 March 2024 by consulting the following databases: PubMed, Cinhal, and PsycInfo, with time limits of 10 years and Italian and English language filters. The research question was formulated according to the PICO method, as shown in Table 1.

Р	Population	Nurse					
Ι	Intervention	Transformational leadership					
C Comparison No Intervention							
0	O Results Job Satisfaction						
Res	Research question						
Describe transformational leadership and job satisfaction in the nursing profession.							

**Table 1.** Research question formulated according to the PICO method

The following keywords were used: "transformational leadership", "job satisfaction", and "nurse\*". Within the study, all the articles that dealt with transformational leadership and job satisfaction in the nursing profession with a time limit of 12 years (from January 2012 to March 2024) were included in English and Italian. All articles written in other languages were excluded.

# RESULTS

During the bibliographic research, the search string generated a listing of 223 articles on 3 different databases (PubMed, Cinhal, and PsycInfo) (figure 1).

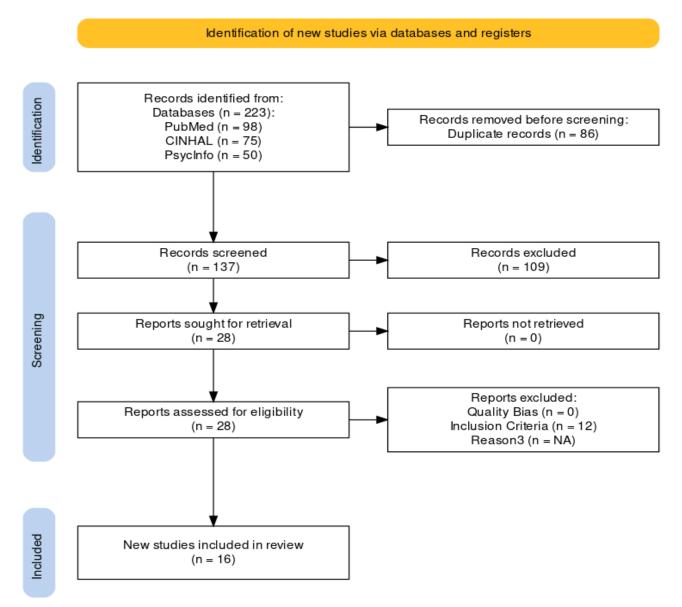


Figure 1. "PRISMA Statement" flowchart[19].

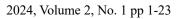


All items were managed using the Zotero IT platform. After the duplicates were removed, 137 articles remained. Selection by title and by abstract led to the exclusion of 109 articles. For the subsequent critical analysis, the 28 articles were read and evaluated in their entirety to identify and understand the content. On reading the full texts, 12 articles were discarded because they failed to comply with the inclusion criteria. A total of 16 studies were evaluated, broken down as follows: 1 comparative study, 5 descriptive correlational studies, 1 meta-analysis, 1 systematic review, 4 cross-sectional studies, 2 mixed method studies, 2 unspecified studies (see Table 2). Fifteen articles were published in English and one in Italian.

#### Evaluation of the quality of the studies

The articles were selected and evaluated using the checklists from "JBI Critical Appraisal Tools" [20]. A total of 16 articles were reviewed. To classify the studies in terms of quality, the overall score was calculated based on the number of "yes" answers. The included studies had at least 6 out of 10 of the items included in the checklists chosen by the authors of this study.

Author/ Year Country Language	Study design	Leadership measurement tool	Study duration	Sample	Result
Abdelhafiz et al./ 2016 Giodania English	Comparative study	<ul> <li>Multifactor leadership questionnaire (MLQ)</li> <li>Job satisfation questionnaire (7 questions, 3-point likert scale)</li> </ul>	NR	200 participants	Transformational leadership has a positive relationship with job satisfaction; job satisfaction is higher in public hospitals than in private hospitals; the transformational leadership style is used more frequently than transactional leadership and passive avoidant leadership





AbuAlRub	Descriptive	- Multifactor	NR	308 nurses	-moderate significant
and	correlation	leadership		200 101000	correlation in the positive
Alghamdi/	study	questionnaire			direction between the
-	study	-			
2012		(MLQ)			transformational leadership
					style and nurses' job
Saudi		-Job satisfaction			satisfaction
Arabia		survey			- weak significant
					relationship in the negative
English		-Intent to stay			direction between
5		2			transactional leadership style
					and job satisfaction.
					Background variables,
					transformational leadership
					_
					style and transactional style
					explain 32% of the variation
					in job satisfaction.
Barlow/	Meta-analysis		1 January	9,572	The results of the analysis of
2013			1985 - 30	participants	the aggregate effects support
			June 2010		the strong relationship
United					between
States,					transformational leadership
Baltimore					and job satisfaction.
					The subgroup analysis
English					showed that studies in the
Lingiisii					
					21st century have greater
					effects than studies in the
					20 <sup>th</sup> century.
Boamah et	Cross-sectional	-Multifactor	NR	378	The nurses reported a
al./	study	leadership			moderate degree of
2018		questionnaire 5X			transformational leadership
		short form (MLQ)			in their leaders: 55% of
Canada					nurses said they were
		-Global job			satisfied with the job.
English		satisfaction			Transformational leadership
English		satisfaction			had a strong and significant
					positive direct effect on
					structural empowerment,
					which in turn, had a positive
					effect on job satisfaction
					and a direct negative effect
					on adverse events.
Bormann	Descriptive-	-Multifactor	3 months	115	Pearson's correlations
and	correlational	leadership			showed that a perception
Abrahamson	study	questionnaire 5x			of transformational
/	5	short form (MLQ-			leadership behaviours by the
2014		5X)			nurse manager was
2017		54)			-
TI					positively related
United		-Abridged job			to the nurses' satisfaction.
States		descriptive index			The study showed that
		survey			nurses with 5 or less years of
English					experience had a positive
					-



Brewer et al./ 2016 United States English	Cross- sectional- correlational study	Questionnaire not validated with 6- point likert scale	January – March 2013	1,037 participants	correlation with transformational and transactional leadership, and a negative correlation with passive-avoidant leadership; while nurses who had 11 or more years of work did not have a statistically significant relationship with any leadership style. Transformational leadership was not directly related to the intention to stay or job satisfaction, but has a positive, albeit modest, effect on organisational commitment. The effects of predictors on intention to stay, job satisfaction and organisational commitment are cumulative and many
					are cumulative, and many could be improved by leadership.
Choi et al./ 2016 Malaysia English	Cross-sectional study	Multifactor leadership questionnaire adapted (MLQ) - Job satisfaction instrument adapted from Warr et al.	1 month	99	The results show that transformational leadership positively affects job satisfaction. Empowerment mediated the effect of transformational leadership on job satisfaction among the nursing staff. Employee empowerment is also essential to increase job satisfaction.
Labrague et al./ 2020 The Philippines English	Cross-sectional study	<ul> <li>-Toxic leadership behaviours of nurse managers scale (ToxBH- NM)</li> <li>- Global transformational leadership (GTL)</li> <li>- Job satisfaction index (JSI)</li> </ul>	December 2019 – February 2020	770 nurses	The composite scores for the transformational leadership scale and the toxic leadership scale were 4.22 and 1.59, respectively. The results suggest that nurses who work with a transformational leader report greater job satisfaction and less intention to leave the nursing profession.
Lapeña et al./ 2017	Descriptive correlation study	Questionnaire not validated divided into 3 points: - demographic	NR	100 nurses	The results indicate that the transformational and transactional leadership styles of nurse managers



The Philippines English Lebanon/ 2017 United States English	Mixed non- experimental study	and job profile - job satisfaction - distinction between transformational and translational leadership Walker and Avant method	NR	55 registered nurses and 5 nurse managers	were related to nurses' job satisfaction. The results showed that 90.8% of nurses enjoyed working for the hospital, the leaders mainly used transformational leadership styles.
M Alshahrani and Baig/ 2016 Saudi Arabia English	Cross-sectional study	Multifactor leadership questionnaire 5x short form (MLQ- 5X) - Job satisfaction survey (JSS)	NR	74 participants	Nursing leaders demonstrated a combination of style between transactional (TA) and transformational (TF) leadership. Nurses who work under managers with a TF style demonstrated greater job satisfaction (p <0.05).
Morsiani et al./ 2017 Italy Italian	Mixed method study	- Multifactor leadership questionnaire (MLQ)	Phase I: September 2011 – February 2012. Phase II: April – July 2015	Phase I: 87 participants. Phase II: 27 participants	Departmental nursing managers have mainly adopted a style of transactional leadership aimed at monitoring errors and intervening to correct errors and punish, which had a negative impact on the levels of job satisfaction of staff nurses. In contrast, the transformational leadership style is mostly related to job satisfaction ("Idealised Influence Attributed"). Staff nurses perceived the transformational style as "respect", "caring for others", "professional development" and "appreciation", was rarely practiced by nurse coordinators.



Negussie and Demissie/ 2013 Ethiopia English	Non- experimental quantitative correlational study	<ul> <li>Multifactor leadership questionnaire (MLQ)</li> <li>Minnesota satisfaction questionnaire</li> </ul>	January – June 2012	175 out of 186 nurses	The results indicate that nurses prefer the transformational leadership style over the transactional leadership style; they have a moderate level of intrinsic job satisfaction but a low extrinsic level.
Roberts- Turner et al./ 2014 United States, Washington English	NR	Healthcare environment survey (HES)	NR	935 participants	The leadership role did not directly affect job satisfaction, but significantly affected autonomy and distributive justice; therefore, leadership indirectly influences job satisfaction through autonomy and distributive justice.
Specchia et al./ 2021 Italy Italian	Systematic Review		Search carried out until 22 October 2019	between 83 and 1,216 participants	88% of the studies showed a positive or negative statistically significant value of correlation between leadership style and nurses' job satisfaction. The transformative style had the highest positive correlation in 9 out of 9 cases.
Wang et al./ 2012 China English	descriptive correlation study using questionnaires	<ul> <li>Leadership practice inventory (LPI)</li> <li>Nurse job satisfaction scale (NJSS)</li> </ul>	April – August 2006	238 nurses	Statistically significant positive correlation between the transformational leadership of nursing executives and job satisfaction.

**Table 2.** Summary of results

## DISCUSSION

The literature considered demonstrates that the transformational leadership style can positively influence job satisfaction in most of the included studies, regardless of the sample, the country, or the type of study chosen [21–34]. Only two studies do not describe a positive link between the variables analysed [35,36].

The results of this review highlight that the characteristics of a transformative leader – such as listening, support, fairness and recognition – are fundamental to increasing nurses' job satisfaction and creating environments with superior quality of care.

For example, the results of the systematic review by Specchia [31] and AbuAlRub and Alghamdi [34] emphasise that leaders who adopt a transformative style promote greater job satisfaction among nursing staff than those who adopt a transactional style. In fact, transformational leadership shows a significant and moderate correlation with job satisfaction (r = 0.45, p < 0.001), while transactional leadership shows a weak significant relationship with job satisfaction (r = -0.14, p < 0.01)[34]. In fact, the strength of transformational leaders is that they dedicate time to teaching and coaching nurses, focus on developing and improving their strengths, and provide advice for their professional and personal development [31].

These results are consistent with previous studies by Al-Hussami [37] and Bass [38]. These studies support the idea that nurses who worked with leaders who showed transformational leadership styles were more satisfied. In fact, these leaders taught and trained nurses, providing advice for professional development, treating them as individuals, listening to their concerns, and promoting their personal development[39].

Another issue concerns the correlation between transformational leadership, job satisfaction and the intention to leave work. For example, Labrague's study [26] shows how the transformational leadership of nursing executives influences nurses' job satisfaction and their intention to leave the profession despite the demographic characteristics (age, sex, sentimental situation, full time). Specifically, it differentiates toxic leadership from transformational leadership. Toxic leadership is significantly correlated with dissatisfaction at work (r = -0.19, p <0.001), absenteeism (r = 0.23, p < 0.001), psychological distress (r = 0.09, p < 0.05), organisational turnover intention (r = 0.11, p < 0.01) and professional turnover intention (r = 0.14, p < 0.001). Instead, transformational leadership is significantly related to job satisfaction (r = 0.37, p < 0.001), absenteeism (r = -0.13, p < 0.001) and

the intention of organisational turnover (r = -0.08, p < 0.05). This underlines how important it is to educate leaders and nurse managers within healthcare facilities and develop behaviours that help and support staff. Indeed, maintaining a quality working environment has a significant impact on the retention of nurses and decreases the intention to leave the profession or nurse turnover.

In contrast, the results of the study by AbuAlRub and Alghamdi [34] indicate that the relationship between the transformational leadership style and the level of intention to stay at work was not statistically significant (r = 0.08, p = 0.14), so the transformational leadership style had no effect on the intention to stay at work.

Even if the results regarding intention to leave the profession are mixed, transformational leadership can provide supportive work environments that result in higher levels of job satisfaction and effectiveness [39]. In fact, by strengthening solid relationships with staff, transformational leaders understand the needs of nurses, they encourage staff to develop skills and autonomy in order to empower them to act.

The studies by Bohaman [23] and Choi [25] analysed the role that structural empowerment has in the relationship between job satisfaction and the transformational leadership style. Structural empowerment, in line with other previous research, [40–42] influences job satisfaction, organisational commitment[41], work commitment[43], lower levels of burnout and work stress [41] and turnover intentions[41,44]. This is due to the characteristics of the transformational leader, such as the ability to listen, inspire staff and stimulate individual and group skills. We can therefore state from these studies [23,25] that empowerment has a positive influence on job satisfaction.

In the study by Borman and Abrahamson [24], it emerged that nurses who worked for 5 or fewer years within the hospital had a statistically positive correlation with transformational and transactional leadership, while nurses who worked for 11 or more years did not have any type of significant relationship with any leadership style. For those who worked for 5 or fewer years, job satisfaction was mainly related to promotion opportunities, while for nursing staff of 11 or more years



it had a stronger correlation for supervision. Therefore, leaders must understand the needs of their employees based on individual differences and their work experience.

The studies by McVicar and Laschinger [35,36] did not find a direct correlation between transformational leadership and job satisfaction. Roberts and Turner [36] highlighted how autonomy and distributive justice positively affect job satisfaction (0.503, p < 0.001; 0.272, p < 0.001). Within the study, the authors emphasise that autonomy represents a characteristic of transformational leadership, and distributive justice represents transactional leadership. It follows that, even if a direct relationship between the variables considered has not been found, autonomy represents one of the fundamental characteristics of the transformational leadership style. This implies that an increase in autonomy and distributive justice would increase job satisfaction.

Conversely, according to Brewer,[35] transformational leadership was not a significant predictor of job satisfaction. The variables with positive significant coefficients related to job satisfaction were organisational commitment, autonomy, tutor support and promotional opportunities. Considering job satisfaction as a dependent variable, a nurse who goes from a low organisational commitment value to a very high organisational commitment value is 12.6% more likely to be satisfied.

The Barlow meta-analysis [22] showed a very strong relationship between transformational leadership and job satisfaction: the aggregate result of the studies generated by the estimates of the size of the effect are more incisive and representative than the outcomes of individual studies examined. The study shows how transformational leaders stimulate and empower nurses to provide the resources needed to achieve greater results. In fact, staff intrinsic motivation strategies support autonomy, competence, and nursing relationships to create a mutually supportive work environment that promotes social and individual development at the service of the organisation's *mission*, values, and goals. In addition, the results report that the relationship between transformational leadership/job satisfaction has strengthened over time. The subgroup analysis showed that studies in the 21st century have stronger effects than studies in the 20th century. This can be explained by the identification of



the Magnet design health and nursing excellence programmes, which notably increased in the 21st century [22]. Therefore, strategies must be implemented within hospitals today to increase the job satisfaction of nurses by assessing staff satisfaction on an annual basis and improving working conditions.

Another result to consider concerns the difference reported in various studies within the Barlow metaanalysis [45–47] between the greater satisfaction detected by nurses in indirect or mixed care (nurse administrators, specialised nurses) compared to staff engaged in direct care (ward nurses). This can be explained by the great shortage of nurses that is being experienced worldwide, which leads to greater workloads, work stress, burnout, intentions to leave the profession and turnovers that strongly affect job satisfaction. This is why nursing leaders are fundamental in order to understand and recognise the needs of their staff, to maintain a high quality of work, as direct care provides essential services for patients.

A study conducted in Italy by Morsiani[29] engaged focus groups to identify the main characteristics of a leader in relation to the achievement of satisfaction:

- *Professional recognition.* Job satisfaction depends on professional recognition, that is, giving value to the work of a nurse and expressing appreciation for the work of the staff.
- *Fairness*. Nursing leaders must adopt the same behaviour, be honest with all staff members and be objective about mistakes at work.
- *Care of the individual.* If a leader supports and listens to their staff, the latter will be more likely to experience job satisfaction. Often, the role of nurses, especially in Italy, is not recognised at a social and economic level. The first in the field who must defend the profession are precisely the leaders who must lead the profession to its emancipation, while maintaining relationships with other professionals. In fact, it is not a war between professions but an endeavour to enhance the value of the nursing profession.



- *Support*. Globally, the shortage of nurses impacts patient care, as the same care result must be achieved in the same time and with fewer human and material resources. Leaders should not put themselves on a different plane than nurses but should be present in the ward and help them in case of need. In addition, being present in the department is an opportunity to check the work of the staff and recognise what the errors may be within the care path and look for strategies to improve it.
- *Listening*. Being present also means knowing how to listen and understand the needs of the staff, such as shift scheduling and the difficulties encountered at work.
- *Staff appreciation*. The nursing manager must promote staff development by seeking to improve nurses, both individually and as a group. Training, feedback, and refresher courses are crucial tools to ensure that staff have greater autonomy and responsibility.
- *Team development.* Another important issue is teamwork. This study revealed the extent to which staff did not feel part of a work group. Teamwork is essential to ensuring collaboration, compensating for others' inadequacies, and sharing common goals and strategies to achieve patient satisfaction.

Therefore, there is scope for future studies employing a more rigorous research approach that would establish causal links between the variables considered and the appropriateness of generalising the results.

#### CONCLUSIONS

The review found that transformational leadership can have a positive influence on nursing job satisfaction levels. Therefore, nursing leadership assumes a fundamental role in influencing the perception that nurses have of their organisation. A leadership style that promotes nurses' autonomy, support, and empowerment can improve job satisfaction, organisational commitment, and nurses'



intention to remain in their position while reducing emotional exhaustion [6]. This means that transformational leaders, through their stimulating and motivating behaviour, can induce changes in the psychological states of workers within organisations. In addition, some studies have shown how the adoption of the transformational leadership style can indirectly influence job satisfaction through the development and strengthening of nurses' sense of empowerment [23,25]. Within healthcare organisations, leadership plays a key role in providing effective and efficient care and translates into positive outcomes for professionals, patients and the work environment. It is therefore necessary to identify and fill the current gaps in the skills and abilities of nursing leaders through educational activities in institutions, underlining the importance of a two-way communication process and mutual trust between managers and nursing staff. The purpose of the review was to offer an overview of a current topic, as both job satisfaction and transformational leadership are two fundamental issues for the creation of a healthy and efficient work environment. Despite the fact that leadership quality and job satisfaction can be assessed using proven and generalizable measurement tools, few studies adopt such methods, and they thus fail to draw conclusions from the relationship between pertinent variables. For the future, the authors suggest conducting studies that can correlate transformational leadership and job satisfaction to obtain more generalizable results because these issues are based much more on empirical experience than on robust scientific evidence.

#### Limitations of the study

Although the research met the objective of this study, the review has limitations. For example, one of the limitations of a narrative review concerns the methodology itself; whereas a systematic review has a clear and obligatory a priori methodology, the narrative review approach lacks a research protocol. Another limitation is the interpretation bias of the results, which can bring to light only a part of the chosen topic. To confirm what has been described in this review, other studies are needed that can obtain certain, reproducible and generalizable results. In addition, the results that emerged



from the other studies were evaluated by means of self-assessment questionnaires, which are frequently associated with response bias.

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# **Conflict of interest**

The authors declare that they have no conflicts of interest associated with this study.



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