Study on Improving Healthcare Operational Performance through Talent Management Strategies: A Public Health Initiative

Dr. Rajesh Sehgal[1], Dr. Ravinder Sharma[2]

[1]*Assistant Professor, Department of Management, Kalinga University, Raipur, India. Email: ku.rajeshsehgal@kalingauniversity.ac.in ORCID: 0009-0002-0344-403X*
[2]*Assistant Professor, Department of Management, Kalinga University, Raipur, India. Email: ku.ravindersharma@kalingauniversity.ac.in ORCID: 0009-0000-9569-6351*

KEYWORDS

Talent Engagement (TE), Talent Growth (TG), Talent Longevity (TL), Skill Development (SD), Talent Management (TM), Public Health.

ABSTRACT

The importance of talent management in enhancing the operational efficacy of public health system is becoming increasingly apparent to the general public. This study seeks several approaches to improve the public health wellness talent management procedures. Staffing strategies, methods for attracting and retaining employees, career development foundations and management growth are all important factors to take into account. By using this measure, hospitals can enhance overall operational efficacy and patient care results by managing issues such as staff shortages, uneven skills and worker stress. Constructed hypothesis are aimed at examining the linkages between Talent Engagement (TE), Talent Growth (TG), Talent Longevity (TL), Skill development (SD), and Talent management (TM) in the public health settings. ANOVA and F-test are utilized for the survey data, which encompasses the 350 employees from the hospital. To measure the employee satisfaction, remote data collection methods were also employed. Enhancing public care standards, workforce effectiveness, and long-term public health performance are the three primary objectives of the findings.

1. Introduction

The public health sector delivering the highest caliber of service while preserving the efficiency in operations poses the significant programmes. The public health companies could continually adjust to the shifting patient needs, growing services request, and limited funding to operate the peak efficiency [1]. Managing the talent in the public health field requires a comprehensive plan for attracting, developing, retaining, and motivating employees to meet organizational goals [2]. Efficient employee management tactics serve as a crucial factor for developing the workforce that can deliver the highest treatment to the patients, increasing operational effectiveness, and adapting to the evolving health care environment. The purpose of the public service programme is to improve the operational effectiveness in medical institutions via the exploration and the use of innovative methods for handling the public health programmed [11]. By focusing on areas such as planning the workforce, hiring, education, growth, worker engagement, and continuation, public health companies can create the environment that encourages greatness and continual progress [4]. The program seeks for standard procedures, utilizes of technology advances, and promotes an environment of education and training to be certain that medical staff members are ready to meet the requirements for current public health service. Setting the greatest importance for the long-term leadership of medical staff can have a major impact on the efficiency and profitability of improvements in the medical facilities [6], and this turn could boost the care for public health [5]. The goal of the study is to enhance recruiting and operations in the medical sector [3]. The study investigated the talent management strategies through hypothesis features such as Talent Engagement (TE), Talent Growth (TG), Talent Longevity (TL), Skill development (SD), and Talent management (TM).

Related work

Aina and Atan 2020 [12] discovered that staff movement, instruction, and education programs all forms of talent management have a good effect on efficiency with property organizations. This suggests that leadership has to be enhanced. The influence of organizational setting on how to manage talent is examined in this unique volume, underscoring the necessity of improving the comprehension and incorporation of contextual variables in capacity management as analyzed by Gallardo-Gallardo et al. 2020 [7]. AlJaberiet al. 2020 [8] emphasized the ranks of 31 sub-variables based on expert assessments and employed an organizational structure for determining sustainability factors in the Abu Dhabi public health industry. These provided useful metrics for sustainability initiatives. Tortorella et al.2020 [9] examined the use of public health 4.0 and maximum lights multidisciplinary research in hospital information flows, but it ignored a comprehensive strategy that lacks both a pragmatic direction and

intellectual coherence. According to Mousaand Othman 2020 [10], Palestinian public health organizations that somewhat integrate green human resource management (HRM) methods experience excellent sustained productivity; recruitment and orientation procedures had a significant impact.

Development and investigation of the hypothesis

In this study, we have developed five hypotheses to investigate the relation between the frameworks of components. The specifics of the hypotheses are provided in the sections as follows: Talent Engagement (TE), Talent Growth (TG), Talent Longevity (TL), Skill Development (SD), and Talent Management (TM) constitute the factors as examined in the hypothesis frameworks in Figure 1.

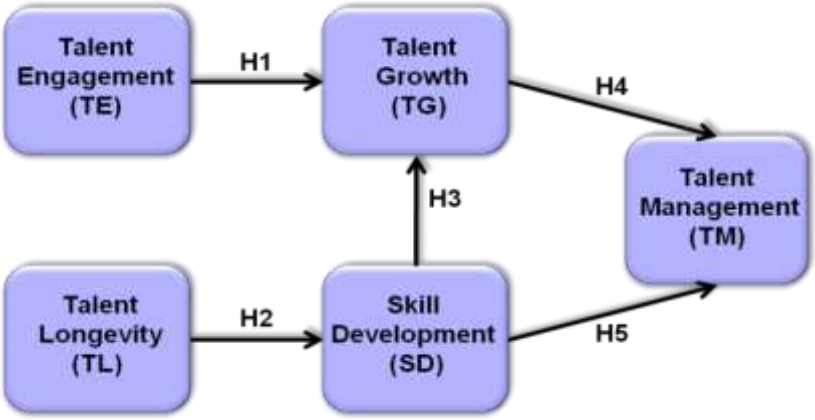

Figure 1 Structure of hypothesis

Talent Engagement (TE) and Talent Growth (TG)

Talent engagement (TE) is a crucial aspect of talent management, aiming to foster a strong bond between workers and the company. It involves both intellectual and emotional commitment to the job, team, and organizational goals, leading to maximum retention, productivity, and happiness through supportive work environments.

Hypothesis 1 (H1): TE is positively impacted through the TG.

Talent Longevity (TL) and Skill Development (SD)

In talent management, talent longevity (TL) refers to the long-term retention of competent workers by tactics including professional growth, engagement initiatives, acknowledgment, management of succession, and cultivating a positive workplace culture.

Hypothesis 2 (H2): TL is positively impacted in the SD for the TM.

Skill Development (SD) and Talent Growth (TG)

The deliberate development and enhancement of employees' skills, knowledge, and capacities is known as Talent Growth (TG) in the context of talent management. The organization aims to foster creativity, career advancement, and continuous education. The TG process helps to become a stronger competitor in the marketplace, improves the productivity, reduces the disparities in skills, connects between the employees more, and promotes the organizational flexibility.

Hypothesis 3 (H3): The TG has a good influence on SD in order to enhance public health.

Talent growth (TG) and Talent management (TM)

Engaging in TG demonstrates a dedication to career education and promotion that may significantly enhance worker satisfaction and satisfaction with their work. Employees that are committed to the organization's goals and purpose remain motivated, productive, and focused on their job.

Hypothesis 4 (H4): TG has a beneficial effect on the TM to enhance public health.

Skill development (SD) and Talent management (TM)

Skills development (SD) serves as a prerequisite for talent administration to give employees the skills they require being effective in their jobs and forward organizational goals. It comprises identifying skill gaps, devising specific instruction programmes, and honing soft and hard abilities, including communication and interpersonal skills. Continuing development is ensured by continuous assessment, which develops trained and flexible personnel that are essential to the profitability and prosperity of the organization.

Hypothesis 5 (H5): SD is positively impacted in the TM to improve public health.

2. Methodology

Wellness talent administration methods make the most of hiring, developing, and keeping individuals on staff. They guarantee that organizations manage qualified workers, keep them around with encouraging working conditions, and keep them coming up with new skills to keep up with changing public health requirements. All of this improves productivity and over time, company performance.

Participants

Talent management solutions provide vital insights into public health operational performance, as demonstrated by the survey responses from 350 out of 1499 workers in hospitals, all of whom were potential clients, and remotely gathered data. This information is essential for assessing worker satisfaction and pinpointing areas where talent development, retention, and overall business performance can be improved. Hospitals can use targeted workforce management changes, resulting in more trained and motivated public health staff, by analyzing this data. These initiatives ultimately seek to improve patient care standards and provide long-lasting results in public health delivery.

Statistical assessment using ANOVA and F-test

ANOVA and F-test provide a robust analytical framework for public health executives to assess the impact of recruitment and retention strategies on daily operations. It aids in data-driven decision-making and identifies factors affecting productivity variability, thereby guiding improvements in recruiting procedures and ensuring worker productivity and patient standards in medical environments.

Performance analysis

In this section, we have analyzed the effectiveness of the hypothesis that contributes to public health operational talent management strategies. As shown in Table 1, the TE feature of (a) occurs at 1.067 in SD, attained 2nd in RS, maximum in SS, and ranged at 3.75 in VM. The TE feature (b) observed 1.094 in SD, 3rdoccurred RS, average in SS, and valued at 3.62 in VM. A TE feature (c) obtained 1.032 in SD, detected in RS, maximum in SS, and valued at 3.82 in VM.

Table 1. Feature of TE ranges

TE Feature	SD	RS	SS	VM
(a)Possibilities for professional improvement and advancement were committed	1.067	2	Maximum	3.75
(b)Participation of employees in deciding matters promotes	1.094	3	Average	3.62
(c)Frequent praise and comments improve work	1.032	1	Maximum	3.82
(d)Regular interaction increases participation and confidence.	1.123	5	Average	3.55
(e)A supporting workplace environment encourages collaboration and collaborative thinking.	1.043	4	Average	3.58

Note: *standard deviation (SD), Rank status (RS), Significance of scale (SS), Value of Mean (VM)*

A TG feature (d) obtained 1.103 in SD, detected 3rd in RS, average in SS, and valued at 3.65 in VM. The TG feature of (e) occurs at 1.045 in SD, attained 1st in RS, maximum in SS, and ranged at 3.88 in VM. The TG feature (c) observed 1.072 in SD, occurred 2nd in RS, maximum in SS, and valued at 3.76 in VM, as shown in Table 2.

Table 2 Features of TGranges

TGFeature	SD	RS	SS	VM
(a)Developmental objectives are incorporated in worker appraisals.	1.126	5	Average	3.54
(b)Cross-functional initiatives promote creativity and learning	1.034	4	Average	3.58
(c)There are chances to get professionally certified.	1.072	2	Maximum	3.76
(d)Professional growth is facilitated via mentoring programs.	1.103	3	Average	3.65
(e)Frequent lessons improve the acquisition of skills.	1.045	1	Maximum	3.88

As shown in Table 3, the TL feature of (a) occurs at 1.032 in SD, attained 1st in RS, maximum in SS, and ranged at 3.85 in VM. The TL feature (b) observed 1.056 in SD, occurred 2nd in RS, maximum in SS, and valued at 3.78 in VM. A TL feature (c) obtained 1.074 in SD, detected 3rd in RS, average in SS, and valued at 3.68 in VM.

Table 3 Feature of TLranges

TL Feature	SD	RS	SS	VM
(a)Favorable wages and perks help employers maintain staff	1.032	1	Maximum	3.85
(b) There are distinct possibilities for professional growth	1.056	2	Maximum	3.78
(c) The health of workers is supported via a variety of programs.	1.074	3	Average	3.68
(d) Contributions by staff members are recognized through reward programs.	1.043	4	Average	3.62
(e) Different demands can be met via adaptable scheduling.	1.087	5	Average	3.56

An SD feature (a) obtained 1.045 in SD, detected 1st in RS, maximum in SS, and valued at 3.82 in VM. The SD feature of (b) occurs at 1.072 in SD, attained 2nd in RS, maximum in SS, and ranged at 3.76 in VM. The SD feature (c) observed 0.103 in SD, occurred 3rd in RS, maximum in SS, and valued at 3.65 in VM, as shown in Table 4.

Table 4 Features of SDranges

SDFeature	SD	RS	SS	VM
(a) Continuous programs to improve staff members' skills	1.045	1	Maximum	3.82
(b) There is accessibility to specialized training courses and seminars.	1.072	2	Maximum	3.76
(c) Rotating jobs fosters cross-functional skills	0.103	3	Average	3.65
(d) Programmes for mentoring help transmit skills.	1.034	4	Average	3.58
(e) Objectives for improving abilities are included throughout the performance assessment.	1.126	5	Average	3.54

A TM feature (a) obtained 1.032 in SD, detected 1st in RS, average in SS, and valued at 3.85 in VM. The TM feature of (b) occurs at 1.034 in SD, attained 2nd in RS, maximum in SS, and ranged at 3.78 in VM. The TM feature (c) observed 1.074 in SD, occurred 3rd in RS, maximum in SS, and valued at 3.68 in VM, as shown in Table 5.

Table 5 Features of TMranges

TMFeature	SD	RS	SS	VM
(a) Future preparation and obvious direction in life were prioritized	1.032	1	Maximum	3.85
(b) Frequent meetings for instruction and comments were held	1.056	2	Maximum	3.78
(c) There are strong systems set up that monitor performance	1.074	3	Average	3.68
(d) Thorough training guarantees an effortless transition	1.043	4	Average	3.62
(e) There is vigorous advertising of inclusive and multicultural activities	1.087	5	Average	3.56

Table 6 represents the ANOVA values of the hypothesis factors, ρ- value ranged from 0.035 in TM, 0.012 in TL, 0.001 in TE, 0.021 in SD, and 0.003 in TG. F-test attained 4.56 at TM, 6.89 in TL, 12.34 in TE, 5.67 in SD, and 8.76 in TG.

Table 6 Numerical values of ANOVA

Hypothesis features	Size of measure	F-test	ρ - value
TM	0.07	4.56	0.035
TL	0.12	6.89	0.012
TE	0.25	12.34	0.001
SD	0.09	5.67	0.021
TG	0.18	8.76	0.003

3. Conclusion and future scope

Enhancing public health operational effectiveness as a component of larger wellness efforts requires adopting strong leadership processes. Public health organizations can enhance worker engagement, improve the satisfaction of patients, and maximize effectiveness in operations by placing a maximum priority on proactive recruiting, career growth, and talent retention policies. For public health services to advance sustainably and address changing problems, these methods must be continuously evaluated and adjusted. Organizations that engage in talent acquisition enhance their staff and make a substantial positive impact on the general health and well-being of the populations that serve. By emphasizing inclusiveness, diversity, and equality in the management of personnel, employees can develop a multilingual mindset, be more prepared to interact with a range of public health groups and achieve healthier outcomes in the future.

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