



Green Healthcare Management Practices and Organizational Sustainability: an SDG Perspective

Puja Dasgupta¹, Nadia Bushra², Sumithra Sudhan³, Abhisha KM⁴, Sanchita Kanjilal⁵, Sreedevi VK⁶

¹Assistant Professor, Yenepoya School of Business, Yenepoya (Deemed to be University), Bangalore, India.

^{2, 3, 4, 5, 6}Student MBA 1st Year, Yenepoya School of Business, Yenepoya (Deemed to be University), Bangalore, India.

Email ID: pujadasgupta.yzb@yenepoya.edu.in¹

Abstract

The increasing environmental impact of healthcare institutions has created a growing need to integrate green management practices into organizational strategies to achieve long-term sustainability. Within the framework of the Sustainable Development Goals (SDGs), particularly SDG-3 (Good Health and Well-being), SDG-12 (Responsible Consumption and Production), and SDG-13 (Climate Action), healthcare organizations are encouraged to align operational efficiency with environmental responsibility. This study examines the role of green healthcare management practices in promoting organizational sustainability from an SDG perspective. Using a descriptive research design, the study analyzes practices such as sustainable procurement, energy efficiency, biomedical waste management, digitalization of records, water conservation, and environmentally responsible supply chain management in selected healthcare institutions. Primary data were collected from healthcare administrators and staff using structured questionnaires and supported by institutional sustainability reports. The findings indicate that the implementation of green management practices improves environmental performance, cost efficiency, regulatory compliance, and institutional reputation. The study concludes that integrating sustainability-driven leadership and employee participation in green initiatives can strengthen long-term organizational resilience and support the achievement of SDG goals in the healthcare sector.

Keywords: Green healthcare management; Organizational sustainability; Sustainable development goals; Environmental sustainability; Healthcare administration; Sustainable procurement; Biomedical waste management; Sustainable operations.

1. Introduction

Healthcare institutions play a vital role in promoting public health; however, their operations often generate significant environmental impacts through energy consumption, medical waste, and resource utilization. In recent years, increasing attention has been given to integrating sustainability principles into healthcare management. The Sustainable Development Goals (SDGs), particularly SDG-3 (Good Health and Well-being), SDG-12 (Responsible Consumption and Production), and SDG-13 (Climate Action), emphasize the importance of environmentally responsible healthcare systems. Green healthcare management involves implementing sustainable

practices such as energy efficiency, waste reduction, green infrastructure, and environmentally responsible procurement. Adopting green practices not only reduces environmental impact but also improves operational efficiency, cost effectiveness, and institutional reputation. Therefore, understanding the relationship between green healthcare management practices and organizational sustainability is essential for developing sustainable healthcare systems.[1]

2. Review of Literature

Environmental sustainability has become an important concern for healthcare organizations worldwide [2]. According to Becker (1964),



sustainable resource utilization improves long-term organizational performance. In healthcare settings, environmental management practices contribute to improved operational efficiency and reduced environmental impact Table 3. Ehnert (2009) emphasized that sustainable management practices integrate economic performance with social and environmental responsibilities[5]. Studies conducted by the World Health Organization (2020) highlight that healthcare institutions contribute significantly to environmental pollution through biomedical waste and energy consumption. Armstrong and Taylor (2020) argue that integrating sustainability initiatives into organizational strategy enhances operational efficiency and stakeholder trust. Similarly, West et al. (2017) reported that environmentally responsible practices improve healthcare quality and institutional reputation. These studies demonstrate that green healthcare management practices play a critical role in achieving organizational sustainability and supporting global sustainability goals[6].

3. Objectives of the Study

- To examine the concept of green healthcare management in healthcare institutions.
- To analyze the implementation of green management practices in healthcare organizations.
- To evaluate the relationship between green healthcare practices and organizational sustainability.
- To assess the contribution of green practices toward SDG goals.
- To provide recommendations for strengthening sustainable healthcare management practices[7].

4. Research Methodology

The study adopted a descriptive research design to examine green healthcare management practices and their influence on organizational sustainability. Primary data were collected through a structured questionnaire distributed among healthcare administrators and staff members. Secondary data were obtained from, Sustainability reports, WHO

publications, Environmental policy documents & Academic research journals. The sample size consisted of 250 respondents, selected using a convenience sampling technique. Data analysis was conducted using percentage analysis and descriptive statistical methods, and results were presented using tables[3].

5. Analysis

Table 1 Demographic Profile of Respondents (n = 250)

Category	Frequency	Percentage
Doctors	70	28%
Nurses	85	34%
Administrative Staff	55	22%
Allied Health Professionals	40	16%

Interpretation: The majority of respondents were nurses (34%) followed by doctors (28%).

Table 2 Implementation of Green Healthcare Practices

Green Practice	Strongly Agree	Agree	Neutral	Disagree
Sustainable procurement	110	95	30	15
Energy efficiency programs	120	85	30	15
Biomedical waste management	135	80	20	15
Digital health records	115	90	25	20



Interpretation: Most respondents indicated that green management practices are actively implemented in healthcare institutions.

Table 3 Impact on Organizational Sustainability

Indicator	High Impact	Moderate Impact	Low Impact
Environmental performance	150	70	30
Cost efficiency	130	80	40
Institutional reputation	145	75	30
Regulatory compliance	155	65	30

Interpretation: The findings indicate that green practices positively influence environmental performance and institutional sustainability.

6. Discussion

The results demonstrate that green healthcare management practices significantly contribute to improving organizational sustainability. Sustainable procurement and energy efficiency programs reduce operational costs and environmental impact. Effective biomedical waste management ensures regulatory compliance and reduces environmental pollution. Digitalization of healthcare records minimizes paper usage and enhances operational efficiency. Furthermore, green leadership and employee engagement play a crucial role in successfully implementing sustainability initiatives. These practices collectively strengthen institutional resilience and support SDG goals.

7. Recommendation

Healthcare institutions should prioritize the implementation of green management practices such as energy conservation, sustainable procurement, and waste reduction programs. Leadership should promote environmental

awareness and encourage employee participation in sustainability initiatives. Policymakers should also develop regulatory frameworks that support sustainable healthcare practices. Integrating sustainability into healthcare management strategies will enhance environmental performance and organizational sustainability.

Conclusion

Green healthcare management practices play a crucial role in promoting environmental responsibility and organizational sustainability. The findings of the study demonstrate that implementing sustainable practices such as energy efficiency, biomedical waste management, and digitalization significantly improves environmental performance, cost efficiency, and institutional reputation. Adopting green healthcare practices not only supports organizational sustainability but also contributes to achieving global sustainability goals. Therefore, healthcare institutions must integrate sustainability principles into their strategic management frameworks[8].

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References

- [1].Armstrong, M., & Taylor, S. (2020). *Armstrong's handbook of human resource management practice*. Kogan Page.
- [2].Becker, G. S. (1964). *Human capital: A theoretical and empirical analysis*. University of Chicago Press.
- [3].Ehnert, I. (2009). *Sustainable human resource management*. Springer.
- [4].Frenk, J., & Chen, L. (2019). *Health professionals for a new century*. *The Lancet*, 376(9756), 1923–1958.
- [5].Pfeffer, J. (2018). *Dying for a paycheck: How modern management harms employee health*. Harper Business.



- [6]. West, M., Dawson, J., Admasachew, L., & Topakas, A. (2017). NHS staff management and health service quality.
- [8]. United Nations. (2015). Transforming our world: The 2030 agenda for sustainable development.

- [7]. World Health Organization. (2020). Global strategy on human resources for health: Workforce 2030