SYNOPSIS

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TITLE: EFFICENT METHOD TO ENHANCE DRUG PROCUREMENT SUPPLY CHAIN MANAGEMENT IN CLOUDNINE HOSPITAL

1. INTRODUCTION: Cloudnine Hospital recognizes the pivotal role of efficient supply chain management (SCM) in ensuring quality patient care and operational excellence. This project delves into Cloudnine Hospital's initiative to optimize inventory management through the integration of advanced technology solutions. By harnessing technology, Cloudnine Hospital aims to streamline procurement, enhance inventory visibility, minimize stockouts, and ultimately improve patient outcomes.

2. RESEARCH QUESTION: How can Cloudnine Hospital enhance its management of supply chains and improve the efficiency and effectiveness of its supply chain operations?

3. OBJECTIVES:

- Understand risk assessment and management within the supply chain.
- Analyze how supply chain management practices impact the overall success of your organization.
- Assess skills in managing supply chain risk.
- Explore the connection between comprehensive quality management approaches and organizational performance.

4. HYPOTHESIS: The integration of advanced efficient method at Cloudnine Hospital will result in improved supply chain efficiency, reduced costs, and enhanced patient care outcomes compared to traditional processes.

5. MATERIAL AND METHODS:

STUDY DESIGN: Mixed-methods approach involving qualitative interviews and quantitative data analysis.

SETTING: Cloudnine Hospital and its inventory management system.

STUDY POPULATION:

Inclusion criteria: Hospital staff involved in inventory management, procurement, and patient care.

Exclusion criteria: None specified.

STUDY TOOLS: Semi-structured interview guides, structured questionnaires, data collection forms.

DURATION OF STUDY: 1 April 2024 to 30 June 2024.

SAMPLE SIZE: Estimated sample size of 500 participants.

SAMPLING TECHNIQUE: Convenience sampling.

DATA COLLECTION PROCEDURE: The study will be performed using primary and secondary data. In primary data collection, purchase manual, documents and reports were used, whereas, in secondary data journals, articles were reviewed.

OPERATIONAL DEFINITIONS: Technology-enabled inventory management defined as the use of RFID, inventory management software, and other technology solutions to track, monitor, and manage inventory at Cloudnine Hospital.

6. DATA ANALYSIS PLAN:

- Thematic analysis for qualitative interview data.

- Descriptive statistics (mean, median, standard deviation) for quantitative survey data.

- Inferential statistics (t-tests, ANOVA) to compare inventory metrics before and after technology implementation.

7. ETHICAL CONSIDERATIONS: Informed consent will be obtained from all study participants. Measures will be taken to ensure data security, privacy, and confidentiality in accordance with ethical guidelines.

8. IMPLICATIONS OF RESEARCH: The findings of this study will provide valuable insights into the effectiveness of supply chain management at Cloudnine Hospital. Recommendations derived from the study can inform strategies for implementing and maximizing the benefits of technology-enabled inventory management in hospitals.

9. REFERENCES: References will be cited from various research articles and journals.