

DISSERTATION

ON

Optimizing Hospital Information System for Digital
Accreditation: A Comparative Analysis of MetahOS
Software Functionality and Digital NABH Standards

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(2022-24)

Title: “Optimizing Hospital Information System for Digital Accreditation: A Comparative Analysis of MetahOS Software Functionality and Digital NABH Standards”

Introduction:

In the digital era of healthcare, the convergence of robust standards and advanced technology is pivotal for enhancing patient care and organizational efficiency. This study undertakes a comprehensive comparative analysis, juxtaposing the esteemed Digital National Accreditation Board for Hospitals & Healthcare Providers (NABH) guidelines with the functional capabilities of MetahOS Software. By scrutinizing the alignment between regulatory requirements and technological solutions, the research aims to illuminate pathways for harmonizing standards and optimizing healthcare delivery in the digital landscape.

Research Questions:

1. To what extent does MetahOS Software align with the standards outlined in Digital NABH guidelines?
2. What are the key areas of convergence and divergence between Digital NABH standards and MetahOS Software functionality?

Objectives:

- To conduct a comparative analysis of Digital NABH guidelines and MetahOS Software functionality.
- To identify areas of alignment, divergence, and potential enhancement between Digital NABH standards and MetahOS capabilities.
- To provide actionable insights for healthcare organizations aiming to streamline compliance and optimize operations through technology integration in the digital realm.

Hypothesis:

The study hypothesizes that there will be the integration of Digital NABH Guidelines with the functionality of MetahOS Software that will demonstrate a substantial degree of congruence, with both systems complementing each other effectively in facilitating healthcare accreditation processes. This alignment is expected to result in enhanced efficiency, accuracy, and overall quality of healthcare services."

Materials and Methods:

Study Design:

This research adopts a cross-sectional comparative analysis design, systematically evaluating the congruence between Digital NABH standards and MetahOS Software features in a digital healthcare setting.

Setting:

The study encompasses healthcare facilities operating in a digital environment and utilizing MetahOS Software across diverse healthcare settings, including hospitals, clinics, and medical centers.

Study Population:

The study population comprises healthcare professionals, administrators, and IT personnel involved in the utilization and management of MetahOS Software within the selected healthcare facilities operating in a digital landscape.

Study Tools:

Data collection instruments include structured questionnaires, checklists, and software evaluation frameworks tailored to assess compliance with Digital NABH standards and evaluate MetahOS Software functionality in a digital healthcare context.

Sample Size:

A representative sample size will be determined based on the population size and distribution of healthcare facilities operating in a digital environment and utilizing MetahOS Software within the study settings.

Sampling Technique:

Convenience sampling will be employed to select healthcare facilities with established usage of MetahOS Software in a digital healthcare environment, ensuring a diverse representation across different geographical regions and healthcare specialties.

Data Collection Procedure:

Data collection will involve software functionality assessments to be performed through hands-on exploration and documentation review within the digital environment to gather insights on Digital NABH compliance with MetahOS Software and its usage in a digital healthcare context.

Data Analysis Plan:

Quantitative data analysis will encompass descriptive statistics, SPSS, MS Excel to determine the degree of alignment between Digital NABH standards and MetahOS Software functionality in a digital healthcare setting. Qualitative data will be thematically analyzed to identify emerging patterns and insights specific to the digital environment.

Ethical Considerations:

The study will adhere to ethical guidelines governing research involving human subjects, ensuring voluntary participation, informed consent, confidentiality, and data protection, particularly in the context of digital healthcare data.

Implications of Research:

The research findings hold significant implications for healthcare organizations, software developers, and regulatory bodies operating in the digital healthcare landscape. By elucidating areas of convergence and divergence between Digital NABH standards and MetahOS Software functionality, the study offers actionable insights for enhancing compliance, optimizing technology utilization, and fostering continuous quality improvement in healthcare delivery within the digital realm.

Reference:

<file:///C:/Users/Gurleen/AppData/Local/Microsoft/Windows/INetCache/IE/PXJLQ33G/32.%20NABH%20Digital%20Health%20standards%20for%20Hospital%20-%201>