

Synopsis

Title:

Assessing Electronic Health Record (EHR) Implementation Readiness and Perceived Barriers Among Nurses

Author Name:

Riya Gupta

Advisor Name:

Piyusha Majumdar

Keywords:

Electronic Health Records (EHR), Nurses, Readiness, Barriers, Digital Health, Mixed Methods, Implementation

Background:

With healthcare systems transitioning toward digitalization, Electronic Health Records (EHRs) are integral to improving patient care through streamlined documentation and clinical support. However, the success of EHR adoption is largely dependent on the readiness of healthcare providers, especially nurses, who are primary users. Despite the technological advancements, nurses often encounter barriers such as inadequate training, workflow disruption, and poor usability, limiting the effectiveness of EHR implementation.

Objective:

- To assess the level of readiness among nurses for EHR implementation.
- To identify key perceived barriers affecting EHR usage by nurses.
- To examine the association between demographic variables and EHR readiness.
- To recommend strategies to enhance EHR adoption among nursing staff.

Methodology:

A mixed-methods, cross-sectional study will be conducted among 40–50 registered nurses at Dr. Vasant Rao Pawar Medical College, Nashik. Convenience sampling will be used. Quantitative data will be collected through questionnaires, and qualitative insights will be gathered via interviews with doctors and nurse supervisors. Data will be analyzed using Microsoft Excel.

Results/Findings:

The study is expected to reveal varying levels of readiness among nurses and identify primary barriers such as insufficient training, poor system usability, and limited involvement in system planning. Correlations with demographic variables will help in targeting interventions.

Conclusions:

Understanding readiness and barriers from the nurses' perspective is crucial for a successful EHR implementation. The study will offer evidence-based recommendations to bridge the gap between policy and practice, ensuring smoother transitions to digital healthcare systems.