

SYNOPSIS

1. **TITLE:** Evaluation of Knowledge Assessment, Trainings & Mock- drill on Competence & Compliance with NABH Standards.

2. **INTRODUCTION:**

Ensuring high standards of patient care is crucial & essential in healthcare sector. The National Accreditation Board for Hospitals & Healthcare providers (NABH) establish stringent quality standards in India, necessitating ongoing staff training for accreditation. This dissertation investigates the effectiveness of knowledge assessments of Trainings & mock drill in enhancing staff competence & compliance with NABH standards. By evaluating performance before and after these training interventions, the study aims to offer insight into effective training practices & their impact on healthcare quality.

3. **RESEARCH QUESTION:**

How do knowledge assessments & training mock drills impact the competence & compliance of hospital staff with NABH standards?

4. **OBJECTIVES:**

The Study aims to:

- Assess the influence of knowledge assessments and training, mock drills on hospital staff competence regarding NABH standards.
- Evaluate changes in hospital staff compliance with NABH standards following the implementation of knowledge assessments and mock drills.
- Investigate the relationship between structured training programs, including knowledge assessments and mock drills, and the overall quality of healthcare delivery in hospitals.

5. **HYPOTHESIS:**

Alternative Hypothesis (H1):

Knowledge assessments and training mock drills positively influence the competence and compliance of hospital staff with NABH standards, leading to improvements in patient care quality.

6. **MATERIAL AND METHODS:**

➤ **STUDY DESIGN:** Pre-test & Post-test study design.

➤ **SETTING:** The study is carried out in CARE CHL Hospital, Indore. It is 200 bedded, multispecialty hospital with huge number of active health workforce & other hospital staff.

➤ **STUDY POPULATION: Hospital workforce**

I. **Inclusion criteria:**

- Hospital staff working in departments directly involved in patient care (e.g., doctors, nurses, technicians).
- Staff members who have been employed at the hospital for a minimum duration to ensure familiarity with NABH standards and hospital protocols.
- Staff members are willing to participate in the study and attend the knowledge assessments and training mock drills.

II. **Exclusion criteria:**

- Hospital staff on leave or absent during the study period.
- Staff members who are unable or unwilling to participate in the interventions or assessments due to personal reasons or conflicting schedules.

III. **Study tools:** Questionnaire (Pre- & Post- questionnaire form), Observational checklist, Standardized knowledge assessment test

➤ **DURATION OF STUDY:** 0 days

➤ **SAMPLE SIZE:** 150-200 people

➤ **SAMPLING TECHNIQUE:**

Type of sampling technique study to be employed: Combination of:

- **Stratified Random Sampling**
- **Systematic Sampling**

➤ **DATA COLLECTION PROCEDURE:**

Data is being collected in various phases:

1. Pre- intervention Phase
2. Intervention Phase
3. Post- intervention Phase
4. Reporting & Dissemination

➤ **OPERATIONAL DEFINITIONS:**

- **Competence:** Ability of staff to apply knowledge and skills according to NABH standards.
- **Compliance:** Adherence to NABH protocols by hospital staff.
- **Knowledge Assessments:** Tests to evaluate staff understanding of NABH standards.
- **Training Mock Drills:** Simulated exercises to practice NABH protocol adherence.

- **NABH Standards:** Guidelines and protocols set by the National Accreditation Board for hospital & healthcare provider.
- **Patient Care Quality:** Overall level of care provided to patients.
- **Pre-Test:** Initial assessment before training interventions.
- **Post-Test:** Follow-up assessment after training interventions.
- **Self-Report Surveys:** Questionnaires for staff feedback on training effectiveness.

➤ **DATA ANALYSIS PLAN:**

- The data analysis plan will use a combination of descriptive and inferential statistics to evaluate the effectiveness of knowledge assessments and training mock drills.
- MS Excel will be the primary software for statistical analysis, with a significance level set at 0.05.
- The analysis will include pre-test and post-test comparisons, subgroup analysis, and thematic analysis of qualitative feedback to provide a comprehensive evaluation of the training interventions.
- Paired sample t- test will be conducted for statistical analysis.

7. ETHICAL CONSIDERATIONS:

- Informed consent must be obtained
- Confidentiality & Privacy
- Transparency & Right to withdraw
- Non- Coercion
- Ethical approval
- Risk minimization
- Data Security

8. IMPLICATIONS OF RESEARCH:

- Improved patient care & safety.
- Enhanced staff competence.
- Increased NABH accreditation rates.
- Aid in resource allocation.
- Increased staff morale & engagement.
- Benchmarking & continuous improvement.
- Scalability & Replicability.

9. References:

- ✓ National Accreditation Board for Hospitals & Healthcare Providers (NABH). NABH 5 STD April 2020 [Internet]. [cited 2024 May]. Available from: <https://healthcarearchitecture.in/wp-content/uploads/2022/01/NABH-5-STD-April-2020.pdf>
- ✓ National Accreditation Board for Hospitals & Healthcare Providers (NABH). Notification for NABH Accreditation Program HCO 5th Edition Guidebook [Internet] 2023. [cited 2024 May]. Available from: https://nabh.co/wp-content/uploads/2023/10/Notification-for-NABH-Accreditation-Program_HCO-5th-Edition-Guidebook.pdf
- ✓ CARE Hospitals. CARE Hospitals Indore [Internet]. [cited 2024 May]. Available from: <https://www.carehospitals.com/indore/>

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