

Synopsis for Dissertation Submitted



The IIHMR University, Jaipur

for the partial fulfilment for the award of the degree of
Master of Business Administration (MBA)
in
Hospital and Health Management

By

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2024

Synopsis for Dissertation

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Title of Study: Model Framework Development for Jubicare Smart Health Centers

Introduction:

The Jubilant Bhartiya Foundation aims to address the healthcare challenges faced by geographically remote and economically disadvantaged regions lacking access to quality healthcare. By establishing healthcare infrastructure in Tier 2, 3, and 4 urban cities, they seek to bridge the gap by enhancing accessibility, affordability, and availability of healthcare services. The IIHMR University, Jaipur, will conduct a comprehensive needs assessment and develop a model framework for these health centres. Through mixed-method studies at both provider and community levels, they will assess feasibility and sustainability, while also engaging with the local community through outreach programs and health education to improve health literacy and empower individuals in managing their healthcare.

Research Question: Will it be feasible to establish smart health centres in Jhajjar, Haryana?

Objectives: To assess the feasibility for Smart Health Centres in Jhajjar, Haryana

- a. To identify potential sites for the facility with respect to infrastructure and quality of care.
- b. To identify the specific healthcare needs of the local population in the target region
- c. To analyse the market potential for a new health facility, including potential patient volumes and capacity to pay.
- d. To develop a model framework for replicating Jubicare health centres in different geographic locations.

HYPOTHESIS:

Assessment of Feasibility Factors for Implementing Smart Health Centres in Jhajjar, Haryana

Null Hypothesis (H0):

It is not feasible to start Smart Health Centres in Jhajjar, Haryana.

Alternative Hypothesis (H1):

It is feasible to start Smart Health Centres in Jhajjar, Haryana.

MATERIAL AND METHODS:

Qualitative: Interviews of district health officials, local representative, facility in-charges facility providers, elective representatives (for area identification 3 areas were identified in Jhajjar: Damdama Mohalla, Silani Gate and Chhawani.) (*Phase 1 – Identify the Area*).

2 more activities were done- Analysing the current health indicators and facility mapping in the areas

Quantitative: Data shall be captured from household survey. Based on the results, the feasibility shall be analysed for each of the locations (Phase 2 – area selection).

STUDY TOOL: The study adopts a mixed-method approach involving both qualitative and quantitative data analysis. We designed structured questionnaires for quantitative data and conducted quality interviews to gather qualitative insights to community.

SETTING: District Jhajjar, Haryana

STUDY POPULATION

✓ **Inclusion Criteria:**

- Interviewee must be resident of the area (preferable adult above 18 yrs if age and head of family)
- Must give his consent for the interview.

✓ **Exclusion Criteria:** Interviewees who were incapable to answer, critically ill or not in the sane state of mind.

✓ **Study Tools:** Qualitative questionnaire (interviews for district officials) and quantitative for household (interview checklist)

DURATION OF STUDY: 3 Months

SAMPLE SIZE: 250 Households Convenient Sampling Method in which head of households were respondents

SAMPLING TECHNIQUE: Convenient Sampling Method was used

DATA COLLECTION PERIOD: March 2024

OPERATIONAL DEFINITIONS: A smart healthcare center is a medical facility that can provide basic curative and OPD services to the patients in a cost-effective manner. The centre may be primarily used for outpatient services pertinent to the community needs at some nominal charge.

DATA ANALYSIS PLAN: Qualitative data was collected based on which health indicators were selected and explained in descriptive statistics.

ETHICAL CONSIDERATIONS:

1. Verbal consent from household.
2. All identifiers from households were removed.
3. Before interacting with anyone or accessing any information, the research will ensure that participants understand the purpose of the study and agree to participate voluntarily.

IMPLICATIONS OF RESEARCH:

- The study shall give us an understand of the feasibility to establish Jubicare Smart Health Clinics for Jubliant Bharti Foundation in the identified sites.
- The feasibility study would help us to determine whether the smart health centers would sustain and deliver the needed services in the community.