

Midocean University

Faculty of Management

Risk Management



Research Plan

Prepared By/

Afnan Abuznauna

Student Number

243001194

Dr. Fayez Jrad

and

Dr. Alfaisal Hasan

Research Plan: Risk Assessment in Hospital Operations

1. Research Title:

"Risk Assessment in Hospital Operations: Analyzing Patient Safety, Supply Chain Disruptions, and Staff Shortages"

2. Introduction

The healthcare sector faces numerous risks that impact its operational efficiency and patient outcomes. Hospitals must manage risks related to patient safety, supply chain disruptions, and staff shortages to maintain high standards of care. This study aims to assess these risks and propose strategies to mitigate their impact.

3. Research Problem

Hospital operations are increasingly complex, and any failure in risk management can lead to severe consequences, such as patient harm, financial losses, and system inefficiencies.

This research seeks to answer the following key question:

"How do patient safety risks, supply chain disruptions, and staff shortages affect hospital operations, and what risk mitigation strategies can be implemented?"

4. Importance of the Research

Theoretical Importance:

- Contributes to the academic literature on healthcare risk management.
- Expands understanding of hospital operational risks.

Practical Importance:

- Provides hospitals with a structured framework for identifying and mitigating risks.
- Supports policymakers and healthcare administrators in improving hospital resilience.

5. Research Objectives

1. Identify and categorize the key risks affecting hospital operations.
2. Assess the impact of patient safety incidents on hospital performance.
3. Examine how supply chain disruptions affect hospital efficiency.
4. Evaluate the impact of staff shortages on patient care and operational effectiveness.
5. Propose risk mitigation strategies to enhance hospital resilience.

6. Research Hypotheses

- **H1:** There is a significant relationship between patient safety risks and hospital performance.
- **H2:** Supply chain disruptions have a direct impact on hospital operational efficiency.
- **H3:** Staff shortages negatively affect patient care quality and hospital workflow.

7. Literature Review

This section will review previous studies on:

- Risk management in hospitals.
- The effects of supply chain disruptions on healthcare services.
- The role of staff availability in patient care and hospital operations.

8. Research Methodology

Research Approach:

- A **mixed-methods** approach (qualitative and quantitative).

Data Collection Methods:

- **Primary Data:**
 - Surveys with healthcare professionals (doctors, nurses, administrators).
 - Interviews with hospital risk managers.
- **Secondary Data:**
 - Hospital reports on patient safety incidents.
 - Industry publications and case studies.

Study Population and Sample:

- Hospitals from different regions with varying capacities.
- Stratified random sampling of hospital staff.

Data Analysis Methods:

- Statistical analysis using **SPSS** for survey data.
- Thematic analysis for qualitative responses.

9. Research Limits

Temporal Limit:

- The study will focus on data from the past five years (2020-2025).

Spatial Limit:

- Hospitals in a specific region or country.

Objective Limit:

- The research focuses only on operational risks and does not cover financial risks in detail.

10. Expected Outcomes

- Identification of the most critical risks in hospital operations.
- A risk assessment framework for hospital management.
- Practical recommendations for improving hospital resilience.

11. References

A preliminary list of academic sources, hospital reports, and healthcare risk management guidelines will be compiled.