

SYNOPSIS

Dissertation Topic

**“An Evaluation of Insurance Requirements Across the
Pharmaceutical Supply Chain”**

Under the Supervision and Guidance of

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Title: An evaluation of insurance requirements across the pharmaceutical supply chain

1. Introduction:

The pharmaceutical supply chain is a complex, highly regulated system involving multiple stakeholders from raw materials suppliers to manufacturers, distributors, and end users. Each stage of the supply chain is exposed to unique risks, including product damage, theft, regulatory non-compliance, cyber threats and supply disruptions. Given the critical nature of pharmaceutical products and their impact on public health, ensuring comprehensive risk mitigation is essential. Insurance plays a pivotal role in safeguarding the continuity and resilience of the supply chain by providing financial protection against unforeseen events. The evaluation aims to analyze the insurance requirements at various stage of the pharmaceutical supply chain, identify potential coverage gaps and insurance solutions that align with operational risks and industry regulations.

Problem statement:

The pharmaceutical supply chain faces diverse risks, yet many stakeholders lack adequate insurance coverage tailored to the challenges. This study aims to identify coverage gaps and insurance solutions to enhance risk management across the supply chain.

2. Research question:

1. What are the insurance requirements across different stages of the pharmaceutical supply chain?
2. What are the insurance coverage gaps across the pharmaceutical supply chain and how insurance solution mitigates associated risks?

3. Objectives:

1. To identify and evaluate the major risks associated with each stage of pharmaceutical supply chain.
2. To assess the adequacy and effectiveness of existing insurance policies in mitigating supply chain risks.

4. Hypothesis:

H0: There is no significant variation in insurance requirements across different stages of the pharmaceutical supply chain.

H1: There are significant variations in insurance requirements across different stages of the pharmaceutical supply chain due to differing risk profiles and regulatory demands.

5. Materials and Methods:

Study Design: The study will involve a detailed review of existing literature, case studies, industry reports, and relevant data sources to explore how insurance is used to manage supply chain risks and uncertainties in the pharmaceutical industry.

Study Setting: Insights from Prudent Insurance Brokers to understand the insurance solutions for pharmaceutical supply chain.

Study population:

Inclusion criteria: Literature relevant to insurance and pharmaceutical supply chain risk management.

Duration of study: 12th March – 31st May (3 months)

Data Sources: Academic journals, industry reports, insurance policy documents, regulatory publication, IRDAI reports.

Data Collection procedure: Secondary research will be conducted by reviewing data sources that focuses on insurance in pharmaceutical supply chain risk management.

6. Data analysis plan:

Reviewing literature, conducting comparative analysis, identifying gaps.

7. Ethical Considerations:

The study will be based on secondary research; hence, data will be properly cited, and plagiarism will be avoided.

8. Implication of research:

This research will contribute to better understanding of risk exposure and insurance requirement across the pharmaceutical supply chain. It can help supply chain managers, insurers and policymakers recognize coverage gaps and improve risk preparedness.

By highlighting areas where insurance is underutilized or misaligned, the study may also support more informed decision-making regarding risk transfer strategies and operational resilience in pharmaceutical logistics.

9. References:

References will be selected from relevant and credible sources and all the citation will be properly acknowledged using the Vancouver referencing style.