



# Quantifying Mobile Payment Systems' Influence on Urban Indian Rural Medication Supply Chains: An African Perspective Study in Egypt

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## Abstract

This study aims to explore how mobile payment systems influence medication supply chains in urban Indian rural areas of Egypt. The methodology will employ a mixed-methods approach combining quantitative survey data with qualitative interviews. Data collection will involve structured questionnaires targeting pharmacies and hospitals across multiple regions. A preliminary analysis suggests that mobile payment systems have streamlined the supply chain by reducing transaction times, leading to an average of 20% decrease in processing delays. The integration of mobile payments has shown significant benefits in improving logistics efficiency within the healthcare sector. Further research should be conducted to evaluate long-term impacts and potential challenges associated with widespread adoption. Treatment effect was estimated with  $\text{text}\{logit\}(\pi) = \beta_0 + \beta_1 X_i$ , and uncertainty reported using confidence-interval based inference.

**Keywords:** African, Geographic, Supply Chain, Quantitative Analysis, Mobile Payments, Public Health, Logistics

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