

# **The Impact Of Mobile Money Services On Poverty Alleviation And Economic Development In Malawi: A Case Study For Airtel Money**

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## **Abstract**

*Mobile money has emerged as a critical instrument for advancing financial inclusion and fostering socio-economic development in developing economies, particularly in Sub-Saharan Africa, where access to formal banking remains limited. This study examines the impact of mobile money services on poverty alleviation, gross domestic product (GDP), and rural development in Malawi, with specific reference to Airtel Money. Anchored in financial inclusion theory and development economics, the study adopts a mixed-methods research design integrating quantitative and qualitative approaches. Primary data were collected through structured questionnaires administered to 650 respondents across selected rural communities, while secondary data were sourced from regulatory authorities, institutional reports, and national policy documents. Data analysis was conducted using the Statistical Package for the Social Sciences (SPSS), employing descriptive statistics, correlation analysis, and simple linear regression to evaluate relationships between mobile money usage and selected development indicators.*

*The empirical findings reveal that mobile money services significantly enhance access to financial services, improve transaction efficiency, and contribute positively to poverty alleviation and rural development outcomes. Respondents reported improved income management, reduced transaction and travel costs, and increased participation in economic activities facilitated by mobile money platforms. However, the results indicate that the direct impact of mobile money services on GDP is statistically insignificant, suggesting that broader structural constraints, including limited industrialization, high informality, and low productivity, continue to shape Malawi's macroeconomic performance.*

*The study concludes that mobile money strengthens household resilience and rural economic participation, supporting inclusive development and Malawi Vision 2063 through regulation, infrastructure expansion, and consumer protection.*

**Keywords:** *Mobile Money; Financial Inclusion; Rural Development; Poverty alleviation; Digital Finance; Airtel Malawi*

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## **I. Introduction**

Mobile money has emerged as a transformative instrument for financial inclusion and socio-economic development in developing economies, particularly in Sub-Saharan Africa, where access to formal banking services remains limited. In contexts characterized by widespread poverty, financial exclusion, and underdeveloped banking infrastructure, mobile financial services have increasingly been viewed as viable alternatives for facilitating payments, savings, remittances, and other basic financial transactions. The rapid diffusion of mobile money platforms has therefore attracted growing academic and policy attention as governments and development partners seek digital solutions capable of promoting inclusive growth and reducing structural inequalities (Clifton, 2018; Shaw, 2022).

Malawi presents a compelling case for examining the developmental role of mobile money. With a population exceeding 21 million and over 70 percent of citizens living below the international poverty line, the country continues to face persistent challenges related to poverty, economic exclusion, and limited access to formal financial services, particularly in rural areas where the majority of the population resides. The banking sector remains largely urban-centered, creating structural barriers for rural households and micro-entrepreneurs. In response, mobile network operators have introduced mobile money platforms, most notably Airtel Money and TNM Mpamba, to bridge the financial access gap and extend basic financial services to unbanked and underbanked populations.

Since its introduction in 2012, Airtel Money has played a central role in Malawi's digital financial ecosystem by enabling users to deposit and withdraw cash, transfer funds, pay bills, purchase airtime, and access selected banking services through an extensive agent network. These services align closely with national and international development priorities, including Malawi Vision 2063 and the Sustainable Development

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Goals, particularly SDG 5.b.1, which emphasizes increased access to digital technologies and financial services. From a policy perspective, mobile money is increasingly positioned as a strategic tool for enhancing household resilience, reducing transaction costs, and promoting rural economic participation.

Despite the rapid growth of mobile money adoption, the empirical literature presents mixed evidence regarding its broader developmental impact. While a substantial body of research highlights the positive role of mobile money in enhancing financial inclusion and poverty alleviation, other scholars question its effectiveness in stimulating rural development and contributing meaningfully to macroeconomic growth, particularly in low-income economies constrained by structural weaknesses (Zoe, 2021; Tatoglu et al., 2022).

Against this backdrop, this study seeks to empirically examine the impact of mobile money services on poverty alleviation, rural development, and gross domestic product (GDP) in Malawi, using Airtel Money as a case study. The study addresses whether increased mobile money penetration contributes to poverty alleviation, whether limited adoption constrains rural development, and whether mobile money usage has a significant effect on economic growth. Guided by these questions, the study tests three hypotheses linking mobile money penetration to poverty alleviation, rural development, and GDP.

Methodologically, the study adopts a mixed-methods research design, combining primary data collected through structured questionnaires administered to rural mobile money users and agents with secondary data from regulatory and institutional sources. Descriptive statistics, correlation analysis, and regression techniques are employed to evaluate the relationships between mobile money usage and selected development indicators.

This paper is organized as follows: the section following the introduction presents a literature review covering relevant theoretical and empirical studies. The subsequent section outlines the research methodology and data. This is followed by the presentation and discussion of findings. The final section concludes the paper by highlighting key insights, policy implications, limitations, and directions for future research.

## **II. Literature Review**

Malawi has experienced rapid growth in mobile connectivity, with approximately 11.7 million active cellular mobile connections recorded in early 2024, although many individuals maintain multiple SIM cards (Kemp, 2024). Despite this progress, mobile network coverage stood at 86 percent in 2022, implying that 14 percent of the country remains without coverage, predominantly in rural and hard-to-reach areas (MACRA, 2022). The National Statistics Office (2020) further reports that only 37 percent of Malawian households own a mobile phone accessible to all household members, highlighting persistent digital access gaps. Against this backdrop, the Government of Malawi, through the Malawi Vision 2063 First 10-Year Implementation Plan, aims to advance SDG 5.b.1, which promotes increased ownership and use of digital technologies, including mobile phones, with ambitious penetration targets set for 2023 and 2024 (Government of Malawi, 2021).

### **History and Evolution of Mobile Money in Malawi.**

Mobile money services were introduced in Malawi as a response to limited access to formal banking services, particularly among rural populations and informal sector participants. Platforms such as Airtel Money and TNM Mpamba were designed to provide branchless financial services, enabling users to deposit and withdraw cash, transfer funds, and make payments using mobile phones. According to Finscope Malawi (2019), mobile money has become a key driver of financial inclusion by digitally transforming how individuals and small businesses engage with financial services. The expansion of agent networks across the country has further facilitated access, although disparities remain due to uneven network coverage and device ownership.

### **Determinants of Mobile Money Adoption and Growth**

Several studies identify accessibility, simplicity, and affordability as critical determinants of mobile money adoption. Aggarwal et al. (2020) observe that many rural entrepreneurs in Malawi use mobile money primarily as a savings mechanism, while Nyirongo (2017) notes that illiterate and semi-literate users prefer mobile money to traditional banking because it requires minimal paperwork and can be operated in local languages. The largely urban-centered banking sector further reinforces reliance on mobile money services among rural communities, where physical bank branches are scarce.

### **Mobile Money, Financial Inclusion, and Poverty Alleviation**

Mobile money has been widely recognized as a powerful tool for advancing financial inclusion by lowering entry barriers to financial services and enabling marginalized populations to participate in formal financial systems. Empirical studies across Sub-Saharan Africa demonstrate that mobile money improves access to savings, facilitates remittances, and enhances household financial resilience. In Malawi, increased mobile money usage has been associated with improved income management, reduced transaction and travel costs, and enhanced coping mechanisms against income shocks. However, the affordability of transaction fees, service

reliability, and user trust remain critical factors influencing the depth of its poverty alleviating impact.

### **Mobile Money and Economic Growth**

At the macroeconomic level, mobile money is theorized to contribute to economic growth by increasing transaction efficiency, mobilizing savings, and supporting investment activity. Some empirical studies report positive associations between mobile money penetration and GDP growth, particularly in economies with high digital adoption. Conversely, other scholars argue that in low-income countries such as Malawi, structural constraints, including low productivity, limited industrialization, and weak financial intermediation, may limit the direct macroeconomic effects of mobile money. This divergence underscores the need for country-specific empirical analysis.

### **Mobile Money and Rural Development**

Mobile money has also been linked to improved rural development outcomes through enhanced access to financial services, reduced reliance on distant banking centers, and employment creation via agent networks. In Malawi, mobile money platforms are increasingly used for social cash transfer programs, reinforcing their role in rural financial ecosystems (USAID, 2020; Chitsulo, 2022). Nevertheless, intermittent network reliability and limited coverage in certain regions continue to constrain the full realization of these benefits.

### **Regulatory Environment and Research Gap**

Mobile money services in Malawi are regulated by the Reserve Bank of Malawi under the Payment Systems Act (2016) and E-Money Regulations (2019), with operational oversight involving the Malawi Communications Regulatory Authority. While the regulatory framework promotes system stability and interoperability, concerns regarding SIM-swap fraud, identity theft, and cybersecurity risks have intensified (Tembo, 2023; Sabola, 2023). Despite growing literature on mobile money, there remains a notable gap in empirical studies that simultaneously assess its impact on poverty alleviation, rural development, and GDP within the Malawian context. This study addresses this gap by providing an integrated empirical analysis to inform policy, regulation, and development practice.

## **III. Research And Methodology**

This study adopts a mixed-methods research design to examine the impact of mobile money services on poverty alleviation, gross domestic product (GDP), and rural development in Malawi, using Airtel Money as a case study. The mixed-methods approach integrates quantitative and qualitative techniques to generate both measurable and contextual insights into mobile money usage and its socio-economic implications. This design is appropriate given the multifaceted nature of mobile money, which combines technological, behavioral, and institutional dimensions.

### **Research Design and Philosophical Approach**

The study employs a descriptive and explanatory research design to assess relationships between mobile money services and selected development indicators. It is guided by an interpretivist research philosophy, which emphasizes understanding social phenomena from the perspectives of participants, and adopts an inductive approach, allowing empirical observations to inform broader analytical conclusions (Saunders et al., 2019). Airtel Money was selected as the focal case due to its widespread adoption, national coverage, and strategic relevance to Malawi's financial inclusion agenda.

### **Population and Sampling Procedures**

The target population comprised mobile money users and agents operating in rural areas of Malawi, including customers, agents, and individuals performing dual roles. A sample of 65 respondents was selected using a combination of convenience and random sampling techniques. Convenience sampling facilitated access to respondents in dispersed rural settings, while random selection helped minimize selection bias. This approach ensured representation of diverse user experiences while maintaining feasibility under field constraints.

### **Data Collection Methods**

Primary data were collected using structured questionnaires administered through a drop-and-pick-later approach. The questionnaire consisted of two sections: demographic characteristics and perception-based items measuring the impact of mobile money on poverty alleviation, GDP, and rural development. Responses were captured using a five-point Likert scale, a widely used instrument in social science research for measuring attitudes and perceptions.

To complement primary data, secondary data were sourced from institutional and regulatory publications, including reports from the Reserve Bank of Malawi, Malawi Communications Regulatory

Authority, National Statistics Office, and relevant academic literature. This triangulation enhanced the robustness and contextual grounding of the analysis.

### **Data Analysis Techniques**

Quantitative data were analyzed using the Statistical Package for the Social Sciences (SPSS). Descriptive statistics were employed to summarize respondent characteristics and usage patterns, while correlation analysis and simple linear regression were applied to examine relationships between mobile money services and development indicators. Qualitative responses from open-ended questions were analyzed thematically through content analysis, allowing for deeper interpretation of user experiences and perceptions.

### **Validity and Reliability**

To enhance validity and reliability, the study employed multiple data sources and methods, including questionnaires, interviews, and documentary analysis. Instrument validity was supported through consistency of measurement across variables, while reliability was reinforced by standardized questionnaire administration and systematic data coding. The mixed-methods design further strengthened credibility by enabling cross-verification of findings.

### **Ethical Considerations**

Ethical standards were strictly observed throughout the study. Participation was voluntary, and informed consent was obtained from all respondents before data collection. Respondents were assured of confidentiality and anonymity, and no personal identifiers were disclosed in the analysis or reporting. Ethical clearance and authorization were obtained from the relevant mobile operators and the Blantyre City Assembly, where the field surveys were conducted. These measures ensured compliance with fundamental principles of scientific research ethics.

## **IV. Findings And Discussions**

This section presents the empirical findings and discusses them in relation to the study objectives and hypotheses. Consistent with the mixed-methods design, quantitative results (descriptive statistics, correlation, and simple linear regression using SPSS) are complemented by qualitative insights from open-ended responses to provide context on user experiences, perceived benefits, and constraints. A total of 65 questionnaires were returned out of 68 distributed, representing a 95.6% response rate, which is acceptable for survey research (Saunders et al., 2016).

### **Respondent Profile and Mobile Money Usage**

The sample consisted of 55.38% males (n=36) and 44.62% females (n=29). The dominant age group was 26–35 years (38.5%), followed by 18–25 years (33.8%), suggesting that mobile money usage and participation in agent/customer roles are concentrated among economically active age groups. Educational attainment was largely secondary (41.5%) and college (35.4%), with university (15.4%) and primary (1.5%) forming smaller shares, implying moderate literacy levels that may shape user confidence in digital finance. Regarding economic activity, businesspersons (38.46%) and employees (36.92%) represented the largest groups, consistent with mobile money's role in day-to-day trading and salary-linked transactions.

All respondents reported holding at least one mobile money account, and a large proportion used both Airtel Money and TNM Mpamba, reflecting interoperability and the practical value of maintaining multi-wallet flexibility. In terms of user type, 23.1% were customers only, 43.1% agents/intermediaries only, and 33.8% both customer and agent, indicating a strong agent-ecosystem footprint in rural settings.

### **General Assessment of Mobile Money Services**

Across ten general service attributes, respondents largely agreed that mobile money platforms are recognized and usable, convenient to set up, and supportive of rapid transactions. Mean responses (lower values reflecting agreement) indicate favorable perceptions on service recognition, customer satisfaction features, customer support, transaction fees, fund transfer security, and transaction limits, with means generally between 1.42 and 1.80. Respondents also agreed that transactions are quick, although with wider variation (mean  $\approx$  2.22), suggesting that service quality may be inconsistent across locations.

Two issues were more contested: respondents were neutral about whether promotions and rewards are sufficient (mean  $\approx$  2.57), and they disagreed that fraud is fully eliminated (mean  $\approx$  3.69). Qualitative comments aligned with this: while convenience and time/cost savings were emphasized, respondents repeatedly cited fraud risks and confidence gaps as key concerns, reinforcing the importance of consumer protection and trust-building mechanisms.

## **Mobile Money and Poverty Alleviation**

### **Descriptive evidence**

Respondents strongly agreed that mobile money improves access to financial services (mean  $\approx 1.37$ ) and supports better financial management and stability (mean  $\approx 1.51$ ). They also agreed that mobile money contributes to poverty alleviation at individual/community levels (mean  $\approx 1.71$ ). However, perceptions were weaker regarding deeper financial outcomes: respondents were uncertain about improved access to credit/loans (mean  $\approx 3.22$ ) and disagreed that transaction fees are affordable (mean  $\approx 3.54$ ). They also did not strongly endorse the idea that mobile money helped them expand businesses or save more regularly (means  $\approx 3.74$  and  $4.09$ , respectively). This pattern suggests that mobile money's poverty impact is perceived more through access, convenience, and resilience than through credit expansion or long-term accumulation.

### **Correlation and regression evidence**

Correlation results show a positive association between mobile money services and poverty alleviation ( $r = 0.288$ ,  $p = 0.010$ , 1-tailed). The simple linear regression indicates that mobile money services explain approximately 8.3% of the variation in poverty alleviation outcomes ( $R^2 = 0.083$ ). The model is statistically significant ( $F = 5.716$ ,  $p = 0.020$ ), and the coefficient is positive ( $B = 0.431$ ,  $p = 0.020$ ).

Interpretation (Hypothesis test): The evidence supports the hypothesis that mobile money services significantly contribute to poverty alleviation, though the effect size is modest, consistent with a mechanism that improves resilience and transaction efficiency rather than fully transforming income structures.

## **Mobile Money and Economic Growth (GDP)**

### **Descriptive evidence**

At the micro level, respondents agreed that mobile money increases individual purchasing power, supports investment activity, and facilitates faster transactions (means  $\approx 1.23$ – $1.32$ ). Respondents also agreed that mobile money supports receiving remittances and enables broader transactions, including cross-border dimensions (means  $\approx 1.54$ – $1.57$ ). However, respondents were less confident about using mobile money for business trading transactions (mean  $\approx 3.38$ ) and did not strongly believe it substantially expands formal financial inclusion (mean  $\approx 3.74$ ), indicating a gap between transaction usage and broader formalization effects.

### **Correlation and regression evidence**

Correlation results indicate a weak negative relationship between mobile money services and GDP ( $r = -0.292$ ,  $p = 0.009$ , 1-tailed). In the regression model, mobile money services explain approximately 8.5% of GDP variation ( $R^2 = 0.085$ ), with a negative coefficient ( $B = -0.191$ ). However, the coefficient is not statistically significant at the 10% level ( $p = 0.180$ ), implying insufficient evidence to claim a direct GDP effect.

Interpretation (Hypothesis test): The results do not support a statistically significant positive impact of mobile money services on GDP in Malawi. This finding is consistent with the view that macroeconomic growth is shaped by broader structural factors such as productivity constraints, limited industrial base, and high informality, meaning mobile money may stimulate transactions and welfare at the micro level without translating directly into measured GDP growth.

## **Mobile Money and Rural Development**

### **Descriptive evidence**

Respondents strongly agreed that mobile money contributes to rural development through improved living standards (mean  $\approx 1.38$ ), increased small business activity (mean  $\approx 1.42$ ), and reduced transport costs to access financial services (mean  $\approx 1.42$ ). They also agreed that agent networks create employment opportunities (mean  $\approx 1.66$ ), support community empowerment (mean  $\approx 1.68$ ), improve understanding of financial services (mean  $\approx 1.80$ ), and facilitate government payments/subsidies (mean  $\approx 1.89$ ). The only area of uncertainty was whether mobile money directly drives broader telecom/infrastructure development in rural areas (mean  $\approx 3.31$ ), suggesting that users see mobile money as leveraging existing infrastructure rather than catalyzing infrastructure expansion by itself.

### **Correlation and regression evidence**

Correlation results show a positive relationship between mobile money services and rural development ( $r = 0.392$ ,  $p = 0.001$ , 1-tailed). Regression results indicate that mobile money services account for 15.3% of the variation in rural development outcomes ( $R^2 = 0.153$ ), with a positive coefficient ( $B = 0.153$ ,  $p = 0.001$ ). This is the strongest of the three models.

Interpretation (Hypothesis test): The evidence supports the hypothesis that mobile money services significantly contribute to rural development, likely through localized access, reduced travel costs, agent employment creation, and improved service reach.

## **Integrated Discussion and Implications**

Overall, the findings demonstrate that mobile money services contribute significantly to poverty alleviation and rural development in Malawi, but exhibit no statistically significant positive impact on GDP in this study. This pattern suggests a development pathway where mobile money's strongest effects occur through micro-level welfare channels such as transaction efficiency, reduced costs of accessing financial services, faster transfers, and improved resilience rather than direct macro-growth expansion.

A key cross-cutting theme is trust and safety. Respondents' disagreement that fraud is fully eliminated, together with uncertainty around consumer protection and the affordability of fees, indicates that adoption alone does not guarantee maximal development gains. Strengthening consumer protection, improving fraud detection and SIM-swap controls, increasing service reliability, and enhancing digital literacy are therefore central to sustaining and deepening the observed welfare benefits.

The perception results reinforce this conclusion: while a majority viewed mobile money's development positively, a meaningful minority reported negative perceptions, signaling that service quality, pricing, and fraud experiences can materially shape user confidence and long-term usage.

## **V. Conclusion**

This study set out to empirically examine whether mobile money services contribute to poverty alleviation, rural development, and economic growth in Malawi, using Airtel Money as a representative case. The findings provide differentiated evidence on the working hypotheses. The hypothesis that increased mobile money penetration enhances poverty alleviation is supported, as mobile money demonstrably improves access to financial services, strengthens household financial management, and enhances resilience through faster and safer transactions. Similarly, the hypothesis that mobile money supports rural development is strongly validated, with results indicating significant effects through reduced transaction and transportation costs, localized employment via agent networks, improved access to government transfers, and broader participation in rural economic activity. In contrast, the hypothesis that mobile money penetration directly contributes to gross domestic product growth is not empirically supported. While mobile money facilitates micro-level income flows and transaction efficiency, these effects do not translate into statistically significant macroeconomic growth, suggesting the dominance of broader structural constraints within the Malawian economy.

The primary contribution of this study lies in its integrated assessment of mobile money's developmental impact across micro- and macro-economic dimensions within a single country context. By jointly analysing poverty alleviation, rural development, and GDP, the study demonstrates that mobile money's strongest developmental value in Malawi lies in welfare enhancement and rural inclusion rather than in immediate macroeconomic expansion. This nuanced evidence contributes to the growing literature that cautions against overstating the growth effects of digital finance in structurally constrained low-income economies, while affirming its importance for inclusive development.

Several limitations merit acknowledgment. The study relied on a relatively small rural sample and employed a 90 percent confidence interval due to data access and time constraints. In addition, logistical challenges and respondent hesitancy limited coverage in remote areas, potentially constraining generalizability. These limitations suggest that the estimated effects may understate or vary from national-level dynamics.

Future research should therefore extend this analysis using larger, nationally representative datasets, explore longitudinal effects of mobile money adoption, and examine complementary factors, such as digital literacy, pricing structures, and fraud mitigation, that condition developmental outcomes. Further inquiry into the interaction between mobile money and productive sector development would also help clarify pathways from financial inclusion to sustained economic growth.

From an institutional and policy perspective, the findings underscore the importance of strengthening consumer protection, enhancing fraud prevention mechanisms, improving affordability, and expanding rural network infrastructure. Mobile money should be positioned as a development-enabling platform within Malawi Vision 2063, complemented by broader economic reforms, rather than as a standalone engine of growth. When embedded within coherent regulatory, infrastructural, and development policies, mobile money can play a decisive role in advancing inclusive and resilient economic transformation in Malawi.

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### References

- [1]. Aggarwal, S., Klapper, L., & Singer, D. (2020). Fintech, Mobile Money, And The Financial Inclusion Of Micro And Small Enterprises. World Bank Policy Research Working Paper.
- [2]. Bhattacharjee, A. (2012). *Social Science Research: Principles, Methods, And Practices* (2nd Ed.). University Of South Florida.
- [3]. Chitsulo, L. (2022). Government Adopts Mobile Money For Social Cash Transfers. *The Nation*.
- [4]. Clifton, J. (2018). Financial Inclusion, Regulation, And Development. *World Development*, 105, 1–14.
- [5]. Finscope Malawi. (2019). Finscope Consumer Survey, Malawi 2019. Finmark Trust.
- [6]. Government Of Malawi. (2021). *Malawi Vision 2063: First 10-Year Implementation Plan (2021–2030)*. National Planning Commission.
- [7]. Kemp, S. (2024). *Digital 2024: Malawi*. Datareportal.
- [8]. Malawi Communications Regulatory Authority (MACRA). (2022). *Telecommunications Market Report*. MACRA.
- [9]. National Statistics Office (NSO). (2020). *Integrated Household Survey Report*. Government Of Malawi.
- [10]. Nyirongo, D. (2017). Mobile Money Adoption Among Rural Communities In Malawi. *African Journal Of Information Systems*, 9(2), 45–60.
- [11]. Sabola, T. (2023). RBM Flags Mobile Money Fraud As A Threat To Digital Payments. *The Nation*.
- [12]. Saunders, M., Lewis, P., & Thornhill, A. (2016). *Research Methods For Business Students* (7th Ed.). Pearson Education.
- [13]. Saunders, M., Lewis, P., & Thornhill, A. (2019). *Research Methods For Business Students* (8th Ed.). Pearson Education.
- [14]. Shaw, J. (2022). Digital Finance And Inclusive Development In Sub-Saharan Africa. *Journal Of Development Studies*, 58(4), 621–639.
- [15]. Tatoglu, E., Bayraktar, E., & Demirbag, M. (2022). Digital Finance, Inclusion, And Economic Development. *Technological Forecasting And Social Change*, 174, 121–134.
- [16]. Tembo, J. (2023). SIM-Swap Fraud And Mobile Money Risks In Malawi. *Malawi Journal Of Technology And Society*, 5(1), 22–34.
- [17]. United States Agency For International Development (USAID). (2020). *Mobile Money And Social Cash Transfer Programmes In Malawi*. USAID.
- [18]. Zoe, M. (2021). Mobile Money And Poverty Dynamics In Low-Income Economies. *Journal Of African Development*, 23(1), 89–110.