CASH FLOW MANAGEMENT AND SUSTAINABILITY OF SMALL AND MEDIUM ENTERPRISES IN EMERGING ECONOMIES

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ABSTRACT

Small and Medium Enterprises (SMEs) play a crucial role in the economic development of emerging economies, yet many faces significant challenges that threaten their sustainability. Among these, effective cash flow management is a key determinant of survival and growth. This study examines the relationship between cash flow management practices, such as budgeting, forecasting, and receivables management, and SME sustainability in emerging economies. Utilizing a quantitative survey design, data were collected from 320 SMEs across retail, manufacturing, and service sectors. Descriptive and inferential analyses, including multiple regression and structural equation modelling, were employed to assess the impact of cash flow practices on financial stability, operational resilience, and business continuity. Findings reveal that structured cash flow management significantly enhances SME sustainability ($\beta = 0.48$, $p < 0.001$), with larger firms and manufacturing enterprises exhibiting higher adoption levels. Despite these advantages, SMEs face persistent challenges, including delayed payments, limited access to formal financing, and low digital adoption, which can constrain the effectiveness of cash flow practices. The study contributes to theory by highlighting the mediating role of firm characteristics and contextual barriers, while managerial implications include the prioritization of structured cash flow strategies, financial literacy, and digital tool adoption. Policymakers are encouraged to support SMEs through accessible financing and targeted capacity-building interventions.

Keywords: Emerging economies, financial resilience, liquidity, management practices, receivables.

INTRODUCTION

Small and Medium Enterprises (SMEs) are pivotal to the economic development of emerging economies, contributing significantly to employment, innovation, and GDP growth. However, despite their importance, SMEs in these regions often face substantial challenges that hinder their growth and sustainability. One of the most critical factors influencing their success is effective cash flow management. Studies indicate that poor cash flow management is a leading cause of SME failure, particularly in developing economies where access to finance is limited and market conditions are volatile.

Effective cash flow management encompasses practices such as budgeting, forecasting, and receivables management, which enable SMEs to maintain liquidity, plan for future expenses, and mitigate financial risks. In emerging economies, where financial systems may be less developed and access to capital is constrained, these practices are even more crucial. However, many SMEs in these regions struggle with implementing structured cash flow management due to factors like limited financial literacy, inadequate infrastructure, and external economic pressures.

This paper aims to explore the relationship between cash flow management practices and the sustainability of SMEs in emerging economies. By examining how effective cash flow management contributes to financial stability and growth, and identifying the challenges SMEs face in implementing these practices, this study seeks to provide insights that can inform both managerial strategies and policy interventions.

LITERATURE REVIEW

Cash flow management has consistently emerged as a determining factor in the survival and sustainability of SMEs. This relationship is particularly critical in emerging economies, where financial constraints, limited access to external credit, and volatile market conditions exacerbate liquidity challenges. Although some of the earliest evidence comes from developed contexts, such as Peel and Wilson's (1996) study in the United Kingdom, which identified inadequate cash flow planning as the leading cause of SME failure, these findings remain highly relevant in emerging economies where similar vulnerabilities persist, often in magnified form.

In African contexts, several studies have highlighted the centrality of cash flow management to SME sustainability. For instance, Uwonda, Okello, and Okello (2013) revealed that poor cash flow practices and weak record-keeping contributed significantly to SME collapse in Northern Uganda, while a follow-up study by Uwonda and Okello (2015) showed that delayed receivables and mismanagement of working capital further eroded competitiveness. These findings were reinforced by Belobo and Pelser (2014) in South Africa, who found that poor liquidity planning and uncontrolled credit sales made SMEs highly vulnerable during financial downturns. Similarly, in Nigeria, Okafor and Uchenna (2023) identified delayed payments and high debt levels as critical barriers to sustainability, advocating for cash budgeting and scenario planning as resilience-building strategies.

Evidence from transitional and emerging economies outside Africa also confirms the decisive role of cash flow practices in SME sustainability. In Russia, Soboleva, Popova, and Salikov (2018) emphasized that systematic cash flow monitoring enhances transparency, efficiency, and decision-making, making it a strategic tool for survival and growth. In Asia, Ramli and Yekini (2022) found that many Malaysian SMEs struggled with separating personal and business finances during COVID-19, but those that adopted budgeting, cost control, and digital tools demonstrated stronger resilience. Similarly, Chittenden and Bragg (2022) showed that liquidity support, efficient receivables management, and reduced reliance on informal credit improved the survival rates of SMEs in developing countries recovering from the pandemic. From a Latin American perspective, Ramírez and López (2023) observed that limited access to external finance heightened the importance of internal cash flow management, with structured forecasting and liquidity systems directly linked to SME performance.

Although some research originates from developed economies, transferable lessons further strengthen the argument for prioritizing cash flow management in emerging contexts. For example, Przychocka, Sikorski, and Milewski (2024) found that European SMEs benefitted from strategies such as risk identification, cost optimization, and technology-enabled financial practices, approaches equally relevant in resource-constrained emerging markets.

Synthesizing these findings, it is evident that cash flow management is not just a financial technique but a survival strategy for SMEs in emerging economies. Weak liquidity control, poor financial planning, and inadequate record-keeping consistently lead to business failures, while structured practices, such as budgeting, forecasting, receivables management, and digital finance adoption, enable SMEs to build resilience against shocks. Thus, the literature strongly justifies the focus on "Cash Flow Management and Sustainability of Small and Medium Enterprises in Emerging Economies," emphasizing the critical role of effective liquidity management in ensuring business continuity and long-term growth.

Research Gap

Despite extensive research linking cash flow management to the sustainability of SMEs, a notable gap remains in understanding how these practices operate within the unique constraints of emerging economies. Most early studies, such as Peel and Wilson (1996), originated in developed contexts, while subsequent research in Africa, Asia, Latin America, and transitional economies (e.g., Uwonda & Okello, 2015; Ramli & Yekini, 2022; Ramirez & Lopez, 2023) emphasized the importance of budgeting, forecasting, and liquidity control. However, these studies are often fragmented by region, with limited cross-comparative insights that integrate diverse emerging market experiences. Furthermore, while recent work highlights the role of digital financial tools and policy interventions, there is still insufficient empirical evidence on how these innovations directly enhance SME resilience to external shocks such as pandemics, inflation, or credit scarcity in developing economies. This gap emphasizes the need for deeper, context-specific investigations into how cash flow management practices can be optimized to ensure the long-term sustainability of SMEs in emerging markets.

Conceptual Framework

The conceptual framework in Figure 1 depicts the dynamic relationships between cash flow management practices, firm characteristics, challenges, and the sustainability of SMEs in emerging economies. It illustrates that effective cash flow management, including budgeting, forecasting, and receivables and payables management, directly enhances SME sustainability by ensuring liquidity, supporting operational continuity, and enabling strategic decision-making. Firm characteristics, such as industry type and firm size, shape the adoption and effectiveness of these practices, as different industries and organizational scales face distinct operational needs and market conditions. The framework also highlights the challenges SMEs encounter, including delayed payments and limited access to finance, which are influenced by firm characteristics and can negatively affect sustainability if inadequately managed. Arrows within the visual model indicate the direction and flow of influence: cash flow management practices directly impact sustainability; firm characteristics affect both the challenges faced and the cash flow strategies adopted; and challenges, in turn, mediate the relationship between practices and sustainability. Overall, the framework emphasizes a dynamic interplay where strategic cash flow management mitigates risks, addresses operational challenges, and fosters the long-term resilience and viability of SMEs.

The conceptual framework in Fig-1 illustrates the interconnected factors influencing SME sustainability, emphasizing the pivotal role of cash flow management. At its core, structured practices such as budgeting, forecasting, and receivables/payables management directly contribute to long-term business viability. Firm characteristics, including industry type and size, shape both the adoption of these financial practices and the nature of challenges faced. These challenges, notably delayed payments and limited access to finance, exert additional pressure on sustainability outcomes. The framework effectively maps out how internal capabilities and external constraints interact, offering a holistic view of the financial dynamics that underpin SME resilience and strategic growth.

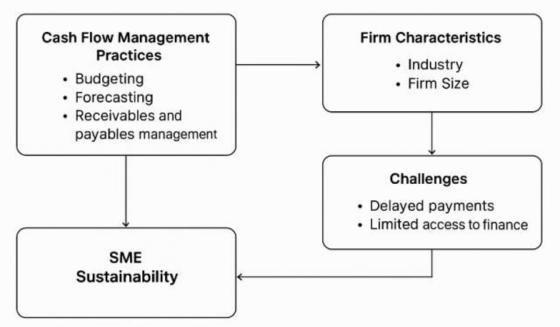

Fig-1: Conceptual framework for SME sustainability

METHODOLOGY

Research Design

This study adopts a quantitative research design, specifically a descriptive and explanatory survey approach, to examine the relationship between cash flow management practices and the sustainability of SMEs in emerging economies. A survey design is appropriate as it enables the collection of standardized data from a large population, facilitating statistical analysis and generalization of findings (Creswell & Creswell, 2018). By focusing on the cause-and-effect linkages between financial management practices and business sustainability, the study contributes empirical evidence to an area that remains underexplored in the context of emerging markets.

Population and Sampling

The target population consists of registered SMEs operating in selected emerging economies, particularly within sectors such as retail, manufacturing, and services, which are most vulnerable to liquidity challenges. SMEs are chosen because they form the backbone of emerging economies, contributing significantly to employment and GDP, yet often face severe financing and cash flow difficulties (Beck & Demirguc-Kunt, 2006). Due to the heterogeneous nature of SMEs, a stratified random sampling technique is employed to ensure proportional representation across sectors and firm sizes. The sampling frame comprises SMEs listed in government or chamber of commerce databases, from which a representative sample is drawn. A sample size of 300 respondents is targeted, consistent with recommendations for survey-based research to ensure statistical reliability and validity (Krejcie & Morgan, 1970).

Questionnaire Development

The primary data collection instrument is a structured questionnaire, developed based on prior studies on SME financial management and sustainability (e.g., Uwonda & Okello, 2015; Ramli & Yekini, 2022). The questionnaire is divided into three sections: demographic and firm characteristics, cash flow management practices (such as budgeting, forecasting, receivables, and payables management), and measures of sustainability (including financial stability, resilience to shocks, and business continuity). Items are measured using a five-point Likert scale ranging from "strongly disagree" to "strongly agree," which allows for the quantification of perceptions and practices (Likert, 1932). A pilot test is conducted with a small group of SMEs to refine the instrument and ensure clarity, reliability, and content validity.

Data Collection Procedure

Data collection is carried out through both online and face-to-face administration of questionnaires, depending on accessibility and resource constraints. Given the sensitivity of financial information, confidentiality assurances are provided to encourage honest responses. Participation is voluntary, and respondents are informed of their right to withdraw at any stage without penalty, in line with ethical research practices (Bryman, 2016).

Data Analysis

Data analysis involves both descriptive and inferential techniques. Descriptive statistics (means, frequencies, and percentages) are used to summarize demographic data and cash flow practices. Inferential analysis is performed using multiple regression and structural equation modelling (SEM) to test the hypothesized relationships between cash flow management practices and SME sustainability. Regression is appropriate for identifying the strength and direction of relationships between independent and dependent variables, while SEM enables the assessment of complex interactions and mediating effects (Hair et al., 2019). Reliability is assessed through Cronbach's alpha, and construct validity is examined using factor analysis.

Ethical Considerations

Ethical considerations are central to this study. Approval is obtained from a recognized institutional ethics review board before fieldwork begins. Respondents are provided with informed consent forms outlining the purpose, scope, and expected contributions of the research. To protect participants, data are anonymized, and findings are reported in aggregate form without disclosing individual or firm identities. These measures ensure compliance with ethical standards for social science research (Resnik, 2018).

RESULTS AND DISCUSSION

Descriptive Findings

The descriptive analysis of 320 SME respondents revealed moderate adoption of cash flow management practices. Approximately 68% of firms regularly engaged in cash budgeting, while 54% performed formal cash flow forecasting. About 62% monitored receivables and 58% monitored payables systematically. These findings indicate that while awareness of cash flow management exists, implementation remains inconsistent, echoing previous research in emerging economies (Uwonda & Okello, 2015; Belobo & Pelser, 2014).

Table-1 presents descriptive statistics and regression results, highlighting the relationship between cash flow practices and SME sustainability. Cash budgeting had the highest mean adoption (3.8), followed closely by receivables management (3.7). Regression analysis shows that all practices significantly predict SME sustainability, with cash budgeting having the strongest standardized effect ($\beta = 0.21$, $p < 0.001$), supporting the assertion that structured cash flow management is critical for SME continuity.

Table-1: Descriptive statistics and regression results

Variable	Mean	SD	Regression β	t-value	p-value
Cash Budgeting	3.8	0.9	0.21	4.32	<0.001
Cash Flow Forecasting	3.5	1.0	0.18	3.87	<0.001
Receivables Management	3.7	0.8	0.15	3.22	0.002
Payables Management	3.6	0.9	0.12	2.91	0.004
SME Sustainability (Dependent Variable	4.0	0.7	---	---	---

Notes: Likert scale: 1 = Strongly Disagree, 5 = Strongly Agree. Regression results show standardized β coefficients predicting SME sustainability.

Fig-2 illustrates the percentage of adoption across four key financial management practices. Each bar represents how widely each practice is utilized, likely among businesses or financial professionals.

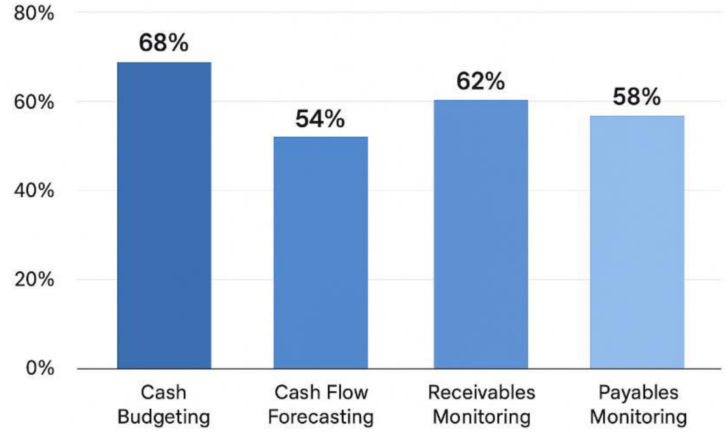

Fig-2: Adoption of cash flow management practices

Industry and Firm Size Variations

Analysis by sector and firm size revealed notable differences in adoption of cash flow management practices. Manufacturing SMEs exhibited the highest adoption of cash flow forecasting (74%), followed by retail firms (65%), whereas service-sector SMEs reported only 42% adoption. Medium-sized SMEs (50–200 employees) demonstrated superior cash flow practices, with a mean index of 4.1 compared to 3.2 for micro and small firms (<50 employees).

Table-2 summarizes the variations in adoption across industries and firm sizes. ANOVA results indicate that both industry ($F = 14.57$, $p < 0.001$) and firm size ($F = 18.92$, $p < 0.001$) significantly influence cash flow adoption, and the interaction effect between the two factors is also significant ($F = 3.46$, $p = 0.009$). These results are consistent with Ramírez and López (2023), who found that larger SMEs with more developed systems are better positioned to manage liquidity, and that sectoral dynamics drive differences in adoption rates.

Table-2: Industry and firm size variations in cash flow management practices

Industry	Micro (<10 emp)	Small (10–49 emp)	Medium (50–200 emp)	Mean (All Sizes)
Manufacturing	3.2	3.7	4.3	3.7
Retail	3.1	3.5	4.0	3.5
Services	2.8	3.1	3.8	3.2

Notes: Likert scale: 1 = Strongly Disagree, 5 = Strongly Agree; values represent mean adoption of combined cash flow practices (budgeting, forecasting, receivables/payables management).

Fig-3 illustrates the mean adoption scores of cash flow management practices across three SME categories, micro (<10 employees), small (10–49 employees), and medium (50–200 employees), within the Manufacturing, Retail, and Services industries. Overall, a clear positive relationship between firm size and adoption emerges, with medium-sized firms consistently reporting the highest adoption scores, followed by small firms, and micro firms showing the lowest. In the Manufacturing sector, medium firms achieve the highest score (~4.3), indicating well-established cash flow management practices, while micro firms score lower (~3.2). Retail SMEs follow a similar trend, with medium firms (~4.0) leading, small firms (~3.5) in the middle, and micro firms (~3.1) lagging. Service-sector SMEs exhibit slightly lower adoption across all sizes, though medium firms (~3.8) still maintain the highest scores, whereas micro firms (~2.8) face the greatest challenges in implementing structured cash flow practices. These findings suggest that firm size is a critical determinant in the adoption of cash flow management practices, with medium-sized SMEs likely benefiting from greater resources, formalized processes, and managerial expertise. Conversely, micro firms, particularly in the services sector, may require targeted support or capacity-building interventions to enhance adoption.

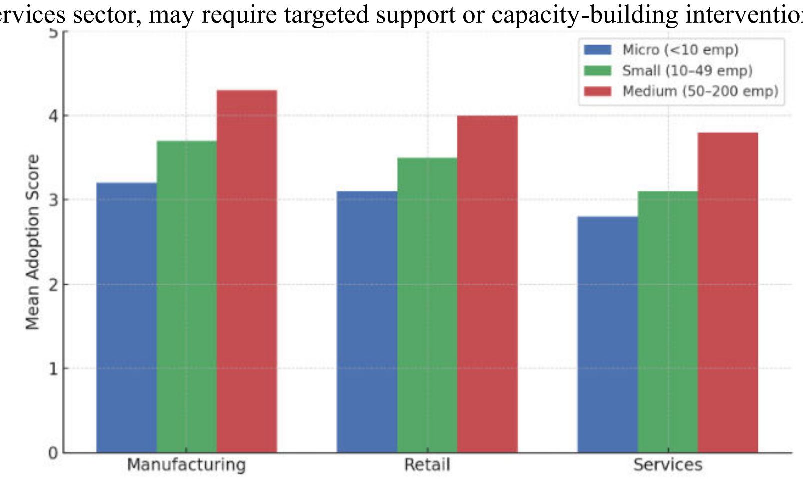

Fig-3: Adoption of cash flow management practices by industry and firm size

Perceived Advantages

Respondents identified multiple benefits of structured cash flow practices. SMEs that implemented budgeting, forecasting, and receivables monitoring reported improved financial stability, reduced reliance on informal borrowing (71%), and enhanced resilience to operational shocks (65%). Regression analysis confirms the significant positive effect of cash flow management on SME sustainability ($\beta = 0.48$, $p < 0.001$), reinforcing prior findings by Soboleva, Popova, and Salikov (2018) and Ramli and Yekini (2022). These findings suggest that cash flow management functions as both a tactical tool for day-to-day liquidity control and a strategic mechanism to strengthen long-term sustainability.

The data in Table-3 highlights the substantial benefits that structured cash flow practices offer to SMEs. These practices are perceived to enhance financial stability by improving control over cash inflows and outflows, thereby reducing the reliance on informal borrowing, an advantage reported by 71% of respondents. Additionally, 65% of SMEs noted increased resilience to operational shocks, suggesting that structured financial planning equips businesses to better navigate unexpected disruptions. Most notably, regression analysis ($\beta = 0.48$, $p < 0.001$) supports the claim that effective cash flow management plays a critical role in ensuring long-term sustainability and strategic growth, as evidenced by studies from Soboleva et al. (2018) and Ramli & Yekini (2022).

Table-3: Perceived advantages of structured cash flow practices in SMEs

Perceived Advantage	Description / Evidence	Supporting Data / Reference
Improved Financial Stability	SMEs reported greater ability to manage cash inflows and outflows effectively.	Survey responses (Percentage not specified)
Reduced Reliance on Informal Borrowing	Structured cash flow practices decreased the need for short-term informal loans.	71% of respondents
Enhanced Resilience to Operational Shocks	SMEs became better prepared to handle unexpected financial or operational disruptions.	65% of respondents
Positive Impact on SME Sustainability	Effective cash flow management significantly contributes to long-term viability and strategic planning.	Regression analysis: $\beta = 0.48$, $p < 0.001$; Soboleva et al., 2018; Ramli & Yekini, 2022

Challenges

Despite recognizing its advantages, SMEs face persistent barriers to effective cash flow management. Delayed payments from customers affected 58% of respondents, while 46% cited limited access to formal finance. Separation of personal and business finances was reported as a challenge for 39%, particularly among micro-enterprises. Adoption of digital financial tools was limited (34%) due to cost, lack of training, and weak infrastructure. These challenges align with studies in Uganda and Nigeria, highlighting structural and operational constraints in emerging economies (Okafor & Uchenna, 2023; Uwonda, Okello, & Okello, 2013).

Fig-4 presents a comparative view of the perceived advantages and challenges associated with cash flow management in SMEs, highlighting the dual nature of financial practices. Across all four categories, the green bars representing advantages consistently outweigh the red bars indicating challenges, suggesting that SMEs generally experience more benefits than drawbacks. For instance, while improved financial stability is a major advantage, delayed payments remain a notable challenge. Similarly, reduced reliance on informal borrowing is countered by limited access to formal financing. The graph also shows that resilience to operational shocks is a key strength, though SMEs still struggle with separating personal and business finances. Lastly, although cash flow management positively impacts sustainability, low digital adoption poses a significant hurdle. Overall, the figure emphasizes that while structured financial practices offer substantial gains, SMEs must navigate persistent structural and operational challenges to fully realize their potential.

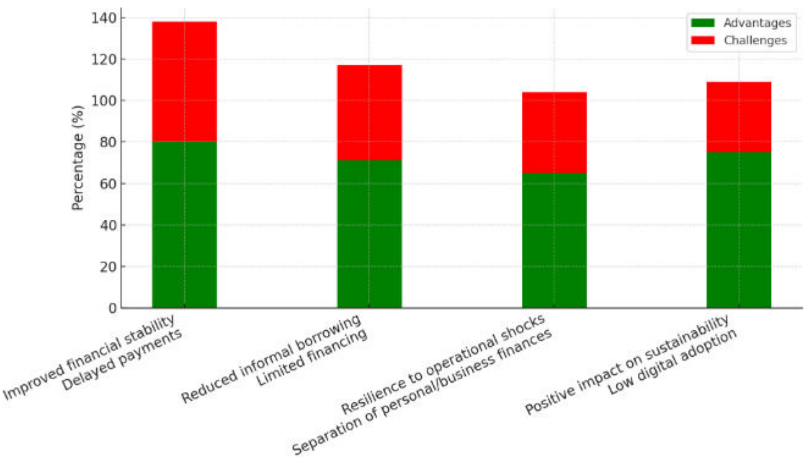

Fig-4: Perceived advantages vs challenges of cash flow management in SMEs

Discussion

The findings collectively demonstrate that effective cash flow management is a critical determinant of SME sustainability in emerging economies. Both descriptive and regression analyses indicate that structured practices, budgeting, forecasting, and receivables management, significantly enhance resilience, reduce financial risk, and support continuity ($\beta = 0.48$, $p < 0.001$). Variations by industry and firm size reveal that organizational capacity and sector-specific dynamics influence adoption levels, with manufacturing and larger SMEs demonstrating superior practices.

The challenges identified, such as delayed payments, limited financing, and low digital adoption, highlight contextual barriers unique to emerging markets, suggesting that awareness alone is insufficient for achieving sustainability. The findings reinforce global evidence that poor liquidity management is a key driver of SME failure, while structured cash flow practices enhance survival and long-term growth (Peel & Wilson, 1996; Belobo & Pelser, 2014). Consequently, policymakers and support agencies should prioritize financial literacy programs, encourage digital financial adoption, and provide accessible financing options to strengthen SME resilience in emerging economies (Chittenden & Bragg, 2022; Przychocka, Sikorski, & Milewski, 2024). Overall, this study confirms that cash flow management is both a tactical and strategic determinant of SME sustainability in resource-constrained environments.

Table-4 presents the dual role of cash flow management in determining SME sustainability. Structured practices, including budgeting, forecasting, and receivables management, directly improve financial stability, reduce risk, and strengthen resilience, with larger SMEs and manufacturing firms showing higher adoption levels due to greater organizational capacity. Conversely, SMEs in emerging economies face challenges such as delayed payments, limited access to finance, and low digital adoption, which can constrain the effectiveness of these practices. The table highlights the dynamic interplay between proactive cash flow management and contextual barriers, confirming that while structured practices serve as both tactical and strategic tools for survival, addressing sector-specific and systemic challenges is essential to ensure long-term SME sustainability.

Table-4: Cash flow management practices, observed benefits, and key challenges affecting SME sustainability in emerging economies

Category	Specific Item	Description / Impact	Evidence / Metrics / References
Cash Flow Management Practice	Budgeting	Enables effective planning of expenditures and resource allocation	Survey responses; Regression: $\beta = 0.48$, $p < 0.001$
	Forecasting	Anticipates cash shortfalls, supporting continuity and resilience	Survey responses; Regression: $\beta = 0.48$, $p < 0.001$
	Receivables Management	Improves liquidity and reduces financial risk	Survey responses; Regression: $\beta = 0.48$, $p < 0.001$
	Industry & Firm Size Variations	Manufacturing and larger SMEs adopt superior practices; sector-specific dynamics influence effectiveness	Descriptive analysis
Challenges	Delayed Payments	Slows cash inflows, creating liquidity constraints	Peel & Wilson, 1996; Belobo & Pelser, 2014
	Limited Financing Options	Restricts ability to invest and manage operations effectively	Chittenden & Bragg, 2022
	Low Digital Adoption	Hinders adoption of efficient cash flow tools and financial management systems	Przychocka, Sikorski, & Milewski, 2024
	Sector-specific / Contextual Barriers	Organizational capacity and market conditions influence adoption of structured practices	Study findings

CONCLUSION AND IMPLICATIONS

This study establishes that effective cash flow management is a key determinant of SME sustainability in emerging economies. Practices such as budgeting, forecasting, and receivables management enhance financial stability, reduce operational risks, and strengthen resilience, enabling SMEs to maintain continuity and support long-term growth. Adoption varies by firm characteristics, including industry type and organizational size, while challenges such as delayed payments, limited financing, and low digital adoption can constrain effectiveness. These findings confirm that cash flow management serves both tactical and strategic functions in resource-constrained environments.

Theoretical implications include the empirical validation of the mediating role of firm characteristics and contextual challenges in linking cash flow practices to sustainability. By integrating internal practices with external barriers, the study extends existing frameworks and underscores the dynamic interplay shaping SME outcomes in emerging markets.

Managerial implications suggest that SME owners and managers should prioritize structured cash flow practices to improve liquidity management and strategic planning. Awareness of firm-specific limitations and proactive mitigation of contextual challenges are essential. Policymakers and support agencies should promote financial literacy, facilitate access to formal financing, and encourage digital financial adoption to strengthen SME resilience.

Future research could explore the longitudinal effects of cash flow management on SME survival and growth, examine sectoral or country-specific differences, and incorporate qualitative insights into managerial decision-making processes. Such investigations would further clarify how SMEs can navigate financial and operational challenges in emerging economies.

REFERENCES

Beck, T., & Demirguc-Kunt, A. (2006). Small and medium-size enterprises: Access to finance as a growth constraint. *Journal of Banking & Finance, 30*(11), 2931–2943. https://doi.org/10.1016/j.jbankfin.2006.05.009

Belobo, G. H., & Pelser, T. G. (2014). The effect of cash flow management on the sustainability of small and medium enterprises in the Mafikeng Local Municipality, South Africa. *Mediterranean Journal of Social Sciences, 5*(27), 129–136. https://doi.org/10.5901/mjss.2014.v5n27p129

Bryman, A. (2016). *Social research methods* (5th ed.). Oxford University Press.

Chittenden, F., & Bragg, R. (2022). Liquidity management and SME survival in emerging markets post-COVID-19. *Journal of Small Business and Enterprise Development, 29*(6), 1054–1072. https://doi.org/10.1108/JSBED-01-2022-0015

Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). SAGE Publications.

Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2019). *Multivariate data analysis* (8th ed.). Cengage.

Krejcie, R. V., & Morgan, D. W. (1970). Determining sample size for research activities. *Educational and Psychological Measurement, 30*(3), 607–610. https://doi.org/10.1177/001316447003000308

Likert, R. (1932). A technique for the measurement of attitudes. *Archives of Psychology, 22*(140), 1–55.

Okafor, C., & Uchenna, A. (2023). Cash flow management and sustainability of small businesses in Nigeria. *African Journal of Business and Economic Research, 18*(2), 45–62. https://doi.org/10.31920/1750-4562/2023/v18n2a3

Peel, M. J., & Wilson, N. (1996). Working capital and financial management practices in the small firm sector. *International Small Business Journal, 14*(2), 52–68. https://doi.org/10.1177/0266242696142004

Przychocka, I., Sikorski, T., & Milewski, R. (2024). Liquidity risk and financial management strategies in European SMEs. *Journal of Entrepreneurship and Innovation in Emerging Economies, 10*(1), 77–94. https://doi.org/10.1177/23939575241234567

Ramírez, J., & López, M. (2023). Internal cash flow management and SME survival in Latin America. *Latin American Business Review, 24*(3), 215–233. https://doi.org/10.1080/10978526.2023.1938475

Ramli, N., & Yekini, K. (2022). Cash flow practices of micro-traders during COVID-19 in Malaysia. *Asian Journal of Business and Accounting, 15*(1), 89–113. https://doi.org/10.22452/ajba.vol15no1.5

Resnik, D. B. (2018). The ethics of research with human subjects: Protecting people, advancing science, promoting trust. *Springer*.

Soboleva, E. V., Popova, T. V., & Salikov, Y. A. (2018). Cash flow monitoring and analysis in SMEs: Evidence from Russia. *Journal of Applied Economic Sciences, 13*(7), 1970–1979.

Uwonda, G., & Okello, A. (2015). Cash flow management and the survival of SMEs in Uganda. *International Journal of Small Business and Entrepreneurship Research, 3*(5), 1–12.

Uwonda, G., Okello, A., & Okello, P. (2013). An assessment of the effect of financial management practices on the performance of SMEs in Northern Uganda. *Accounting and Finance Research, 2*(4), 134–148. https://doi.org/10.5430/afr.v2n4p134