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PUBLIC DEBT AND MONETARY STABILITY IN NIGERIA

Osmond N. Okonkwo[1] & Joseph Okechukwu Akamike[2]*

[1]Department of Economics, Faculty of Social Sciences, Alvan Ikoku Federal University of Education, Owerri, Nigeria

[2]Department of Economics, Faculty of Social Sciences, Imo State University Owerri. Imo State, Nigeria

*akamikeoj@gmail.com

ABSTRACT: This study examines the relationship between public debt and monetary stability in Nigeria, highlighting the challenges and policy responses needed for sustainable economic growth. Nigeria's high public debt, driven by persistent fiscal deficits, volatile oil prices, and extensive borrowing, has raised concerns about fiscal sustainability and its implications for monetary stability. The research reveals that high public debt influences interest rates and exchange rate volatility, with the "crowding out" effect and risks associated with debt servicing costs. The central bank faces challenges in balancing interest rate policies to control inflation while supporting economic growth. The study also highlights the impact of external factors such as global financial conditions and oil price fluctuations on Nigeria's economic stability. Key findings reveal that high levels of public debt strain fiscal resources, exacerbate inflationary pressures, and increase exchange rate volatility. The study recommended the need to enhance budgetary controls, boost tax administration, accelerate economic diversification, and invest in infrastructure and human capital.

Keywords: Public Debt, Monetary Stability, Monetary Policy, Debt Sustainability, Economic Diversification, Fiscal Discipline

INTRODUCTION

This study examines the relationship between public debt and monetary stability in Nigeria, focusing on the country's historical context political and economic factors. Nigeria's public debt has grown significantly since its independence in 1960, with initial borrowing primarily for infrastructure and development projects. The oil boom of the 1970s led to increased borrowing, as the government embarked on ambitious development programs. However, the subsequent oil price collapse in the 1980s exposed the vulnerabilities of an oil-dependent economy, leading to increased borrowing to cover budget deficits (Anisiobi et al., 2023).

Nigeria adopted structural adjustment programs (SAPs) prescribed by the International Monetary Fund (IMF) and the World Bank in the mid-1980s to stabilize the economy. These programs included measures to manage public debt but also led to increased external borrowing. By the early 2000s, Nigeria faced a significant debt crisis, with debt levels becoming unsustainable. In 2005, Nigeria negotiated debt relief under the Heavily Indebted Poor Countries (HIPC) initiative, resulting in substantial debt reduction (Adegbie et al., 2022).

The current state of Nigeria's public debt is driven by various factors, including budget deficits, economic shocks, and the need for infrastructural development (Ngong et al., 2021). Domestic debt includes government bonds, treasury bills, and loans from domestic financial institutions,

while external debt includes loans from international organizations, bilateral agreements, and foreign commercial lenders. The debt-to-GDP ratio remains relatively moderate compared to that of some other countries, but concerns about debt sustainability are growing due to the increasing cost of debt servicing (Yusuf & Mohd, 2023).

Monetary stability is essential for economic growth and development, influencing investor confidence, inflation rates, and overall economic stability. Nigeria has struggled with high inflation rates, driven by factors such as exchange rate volatility, high food prices, and fuel subsidies. Exchange rate stability is affected by import prices, foreign investment, and economic stability. Interest rates have been used as a tool to control inflation and stabilize currency (Apostolakis & Papadopoulos, 2019; Ezeji & Okonkwo, 2014).

Understanding the dynamics between public debt and monetary stability is crucial for formulating effective economic policies in Nigeria, where public debt levels are rising and economic stability is often a challenge. The interplay between public debt and monetary stability in Nigeria is a critical area of study with significant implications for the country's economic future. By examining historical trends, current conditions, and theoretical frameworks, this study aims to provide a comprehensive understanding of how public debt influences monetary stability and vice versa, contributing to more informed economic policy decisions.

Research Objectives

This study on Nigeria's public debt and monetary stability aims to investigate the relationship between public debt and monetary stability, analyse the impact of debt servicing on Nigeria's economy, evaluate the role of the Central Bank of Nigeria (CBN) in maintaining monetary stability amid rising public debt, identify challenges and risks associated with Nigeria's public debt, and propose policy recommendations for effective debt management and monetary stability.

PUBLIC DEBT MANAGEMENT AND MONETARY POLICY FRAMEWORK IN NIGERIA

Trends in Public Debt Accumulation in Nigeria

Nigeria's public debt accumulation has been a topic of discussion since the country's independence in 1960. The country's debt trajectory has been influenced by various factors, including the colonial period, the oil boom and bust, structural adjustment programs, and the debt crisis. The oil boom in the 1970s led to substantial revenues but also led to domestic borrowing for development projects (Kur et al., 2021). The oil bust in the 1980s resulted in increased borrowing to cover budget deficits and maintain public spending levels. Nigeria's structural adjustment programs in the mid-1980s led to increased borrowing and debt accumulation. The country faced a severe debt crisis in the 1990s, which was exacerbated by poor economic management and political instability (Darma, 2014). Despite debt relief efforts, Nigeria continued to face fiscal challenges(O. Okonkwo N. et al., 2024). In recent years, Nigeria has experienced a resurgence in public debt accumulation due to factors such as lower oil prices, economic recessions, and infrastructure development(Okonkwo et al., 2023; Osmond & Okechukwu, 2024). The country's debt-to-GDP ratio has been rising, raising concerns about debt sustainability(Okonkwo, et al., 2024). The COVID-19 pandemic has

further strained Nigeria's finances, leading to increased borrowing to support economic recovery efforts (Ofurum & Fubara, 2022).

Impact of Public Debt on the Economy

Public debt in Nigeria has a significant impact on the country's economy, affecting fiscal policy, economic growth, monetary stability, and social development. High levels of public debt result in significant debt servicing costs, diverting government revenues away from investments in infrastructure, education, and healthcare. This leads to budget deficits and increased borrowing, creating a cycle of increasing debt and interest obligations (Chinanuife et al., 2018).

High public debt can also lead to inflation, as it can cause higher interest rates and crowd out private investment(Osmond & Okechukwu, 2024). However, if managed well, public debt can finance critical infrastructure projects that stimulate economic growth. Inflationary pressures can also arise from high public debt, which can be exacerbated by interest rate policies and fluctuations in oil prices (Ogunjimi, 2019).

Exchange rate stability can be affected by large external debt, leading to exchange rate volatility and pressure on Nigeria's foreign exchange reserves. This can lead to a devaluation of the Naira if reserves are insufficient to meet external debt obligations (Osmond & Okechukwu, 2023).

High debt levels can negatively impact investor confidence, credit ratings, and social spending, exacerbate social inequalities, and hinder long-term economic growth. To mitigate these effects, effective debt management, economic diversification, and institutional strengthening are crucial (Obhiose et al., 2024).

Role of the Central Bank in Managing Public Debt and Ensuring Monetary Stability in Nigeria

The Central Bank of Nigeria (CBN) plays a crucial role in managing public debt and ensuring monetary stability in Nigeria. It implements monetary policy tools, such as interest rate management, to control inflation and stabilize currency. The CBN also manages Nigeria's foreign exchange reserves to support the Naira and ensure exchange rate stability. It provides expert advice on debt management strategies, including optimal borrowing levels, debt structuring, and timing of debt issuance (Asogwa & Ezema, 2005).

The CBN also plays a vital role in developing the market for government securities, issuing and managing treasury bills, bonds, and other debt instruments. It also manages liquidity in the banking system through operations in the government securities market. The CBN supervises and regulates commercial banks to ensure financial system stability. Its regulatory functions ensure that the banking sector remains stable and robust, which is essential for effective monetary policy transmission and economic stability. The CBN conducts extensive economic research and data analysis to inform its monetary policy decisions, including studying economic trends, inflation dynamics, and the impact of public debt on the economy (Ukamaka et al., 2023).

The CBN collaborates with the Ministry of Finance and other government agencies to ensure that fiscal and monetary policies are aligned. It also advises the government on broader economic policies, including fiscal discipline, economic diversification, and structural reforms. In response to economic shocks and financial crises, the CBN implements measures to stabilize the economy, such as providing emergency liquidity support to banks, adjusting interest rates, and intervening in the foreign exchange market. It also prepares contingency plans to address potential economic disruptions (Folawewo & Osinubi, 2006). Finally, the CBN enhances transparency and communication through various communication strategies, building credibility and public trust in its actions.

Tools for Ensuring Monetary Stability

The Central Bank of Nigeria (CBN) employs various tools to ensure monetary stability, including interest rate management, exchange rate management, macroprudential policies, and effective communication. These tools focus on maintaining price stability, controlling inflation, and stabilizing the exchange rate. The CBN uses instruments such as the monetary policy rate (MPR), open market operations (OMO), the cash reserve ratio (CRR), the liquidity ratio (LR), discount rates, foreign exchange interventions, credit controls, and exchange rate policies (Goldberg et al., 2020).

Macroprudential policies include capital adequacy requirements, credit controls, financial sector supervision, an inflation-targeting framework, consumer price index monitoring, liquidity management, standing facilities, repo and reverse repo operations, and communication and transparency. The CBN uses an inflation-targeting framework, consumer price index monitoring, standing facilities, and repurchase and reverse repo operations to manage short-term liquidity in the banking system (Tursunkulovich, 2022).

Communication and transparency are essential for CBNs' credibility and ability to adapt to changing economic conditions. The CBN can provide emergency liquidity assistance to solvent banks during financial distress and establish stabilization funds to support the economy during significant disruptions (Masuch et al., 2001).

The CBN's comprehensive set of tools is crucial for maintaining economic stability and fostering sustainable growth. The effectiveness of these tools depends on the CBN's ability to adapt to changing economic conditions and coordinate with other policies to achieve overarching economic objectives (Tursunkulovich, 2022).

Relationship between Public Debt and Monetary Policy in Nigeria

The relationship between public debt and monetary policy in Nigeria is complex and interdependent. High levels of public debt can constrain monetary policy, while effective monetary policy can help manage and mitigate its impacts. Ensuring robust coordination between debt management and monetary policy, adopting prudent debt practices, and maintaining a strong and independent central bank are critical for achieving monetary stability and sustainable economic growth in Nigeria (Abata et al., 2012).

Interest rate decisions, crowding out effects, inflation control, and exchange rate stability are all affected by public debt. The Central Bank of Nigeria (CBN) may keep interest rates low to reduce the government's debt servicing costs, but this can lead to greater inflation. Monetary

expansion can also lead to inflation, and the CBN may need to implement tighter monetary policies to counteract these effects. The interaction between public debt management and monetary policy involves coordination between the CBN and the Debt Management Office (DMO), debt issuance strategy, and debt maturity management. Challenges and risks include debt sustainability, external shocks, and political pressure (Asogwa & Ezema, 2005).

Factors Influencing Public Debt Levels in Nigeria

Public debt levels in Nigeria are influenced by various factors, including economic growth rates, oil prices, exchange rates, inflation rates, fiscal policies, political stability, governance and corruption, institutional capacity, external factors, and social and demographic factors. Economic growth rates significantly affect public debt levels, with slow or negative growth leading to lower government revenues and greater borrowing needs to finance deficits. Oil prices directly impact government income, with high oil prices increasing revenues and reducing borrowing, while low prices lead to revenue shortfalls and increased borrowing to cover budget deficits. Exchange rates also play a role, with currency depreciation increasing the cost of servicing external debt denominated in foreign currencies (Nwala & Saleh, 2021).

Inflation rates can erode the real value of domestic debt but also lead to higher interest rates, increasing the cost of new borrowing. Fiscal policies, such as government expenditures, tax policies, and fiscal discipline, can help reduce the need for excessive borrowing (Aimola & Odhiambo, 2021). Political stability and good governance can support coherent and long-term economic planning, reducing reliance on debt. High levels of corruption and poor governance can lead to inefficient use of public funds, increasing the need for borrowing (Ashogbon et al., 2023).

Institutional capacity is crucial for managing public debt, with the Debt Management Office (DMO) and coordination with the Central Bank of Nigeria (CBN) significantly influencing debt levels. External factors include global economic conditions, foreign aid and grants, international trade, population growth, urbanization, natural disasters, and health crises. Addressing the root causes of excessive public debt through structural reforms and prudent fiscal management is essential for ensuring long-term economic stability and development in Nigeria (Kpeyol et al., 2022).

EFFECTS OF PUBLIC DEBT ON MONETARY STABILITY

Inflationary Pressures

Public debt can have significant effects on monetary stability, including direct inflationary pressures, interest rates, and indirect inflationary pressures. Direct inflationary pressures include increased money supply, hyperinflation risk, the crowding out effect, and debt servicing costs. Indirect inflationary pressures include exchange rate depreciation, reduced investor confidence, and risk premiums (Igoni et al., 2020). The Central Bank of Nigeria (CBN) faces challenges in managing high public debt levels, such as tightening monetary policy to control inflation, maintaining loose monetary policy, adjusting interest rates, and coordinating fiscal policy. The CBN must balance these pressures by aligning debt management strategies with monetary policy objectives to ensure a balanced approach to economic stability (Oladipo & Akintola, 2023).

Nigeria has experienced periods of high public debt, often associated with economic downturns, low oil prices, and increased government spending. The CBN has used various monetary policy tools to combat inflation, but their effectiveness has been constrained by high debt levels and fiscal pressures (Ezeji & Okonkwo, 2014; Okonkwo et al., 2024).

To maintain monetary stability, the CBN must strike a balance between supporting economic growth and controlling inflation. This involves prudent debt management, fiscal discipline, and effective monetary policy implementation to maintain price stability and economic confidence. Addressing the root causes of excessive public debt and maintaining fiscal discipline are crucial for ensuring long-term monetary stability and controlling inflation in Nigeria (Igoni & Ganiyat, 2022).

Exchange Rate Volatility

Public debt significantly impacts exchange rate stability in Nigeria, impacting inflation, investment, and overall economic stability. High debt servicing requirements increase demand for foreign exchange, which can exacerbate the effect on the domestic currency's value. The Central Bank of Nigeria (CBN) may adjust interest rates to manage public debt and control inflation, while market perceptions and investor sentiment can lead to capital outflows and depreciation of the currency (Ukamaka et al., 2023).

Exchange rate volatility can also lead to inflationary pressures, increased debt burden, and uncertainty in investment and economic growth. Nigeria has experienced significant exchange rate volatility during periods of economic instability and high debt levels, such as the 2016 recession. CBN interventions, such as adjusting the official exchange rate, using foreign reserves, and introducing multiple exchange rate windows, aim to stabilize the Naira but can sometimes lead to distortions and market inefficiencies (Asteriou et al., 2016).

Global influences and external shocks, such as oil price volatility and global financial conditions, also impact capital flows to emerging markets, including Nigeria. To mitigate the impacts of public debt on exchange rate stability and ensure long-term economic resilience, the CBN must carefully balance its monetary policy, implement sound fiscal policies, promote economic diversification, and strengthen institutional frameworks (Barguellil et al., 2018). The accumulation of adequate foreign exchange reserves provides a buffer against external shocks and reduces the need for frequent interventions in the forex market.

Interest Rate Dynamics

Public debt in Nigeria has a significant impact on monetary stability, with high levels of public debt leading to higher interest rates and affecting investment, growth, and fiscal sustainability. The government's borrowing needs increase, leading to higher borrowing costs and debt servicing costs. This can make it difficult to manage the debt load and maintain fiscal sustainability (Alalade et al., 2023).

Inflation expectations also increase due to the risk premium on debt and inflationary pressures. Higher public debt levels can lead to higher nominal interest rates as lenders seek to protect themselves against future inflation. The impact of interest rate dynamics on the economy is significant, with higher interest rates increasing the cost of capital for businesses, reducing investment in new projects, and dampening consumer spending (Obim et al., 2018). Exchange

rate implications include capital flows and exchange rates and interest rate differentials between countries.

Debt servicing costs also increase, consuming a larger portion of government revenues and limiting the government's ability to fund essential services and development projects. Additionally, higher interest rates can make debt servicing unsustainable, increasing the risk of debt defaults or the need for restructuring. Nigeria's history of debt accumulation has led to significant challenges in managing interest rates. The Central Bank of Nigeria (CBN) has had to navigate between controlling inflation while supporting economic growth while managing the debt load (Adegoke, 2021).

Policy responses and strategic considerations include interest rate management, forward guidance, fiscal and debt management strategies, structural reforms, and economic diversification. Effective policy coordination and institutional strengthening are essential for navigating the challenges posed by high public debt and ensuring a stable economic environment (Ajayi et al., 2017).

CHALLENGES IN MANAGING PUBLIC DEBT AND MAINTAINING MONETARY STABILITY IN NIGERIA

The management of public debt and the maintenance of monetary stability in Nigeria are complex tasks that require a comprehensive approach. High levels of public debt, such as the rising debt burden, foreign currency debt, and external debt vulnerabilities, have led to concerns about debt sustainability and fiscal prudence. The country's debt-to-GDP ratio has also risen, raising concerns about the government's ability to finance essential services and infrastructure without incurring excessive interest payments (Ashogbon et al., 2023).

The Central Bank of Nigeria (CBN) faces several challenges in managing public debt, including the Balancing Act, interest rate management, liquidity management, inflationary pressures, budget deficits, expenditure management, and external factors such as oil price volatility, exchange rate instability, global financial conditions, and economic slowdowns. These issues can be further complicated by the country's heavy reliance on oil exports, which makes it vulnerable to fluctuations in global oil prices (Ajayi et al., 2017).

The effectiveness of the Debt Management Office (DMO) in managing public debt is often hampered by limited capacity, inadequate data, and weak coordination with other economic agencies. A lack of transparency in public debt management and fiscal operations undermines investor confidence and increases the risk of mismanagement and corruption. Poor policy coordination between fiscal and monetary policies can lead to conflicting signals and ineffective policy outcomes, complicating efforts to maintain macroeconomic stability (Amah, 2019).

Inadequate governance structures and the slow implementation of critical reforms hinder effective debt management and fiscal discipline, increasing vulnerabilities to economic shocks. Additionally, Nigeria's economy is susceptible to oil price shocks due to its lack of diversification, making it susceptible to oil price shocks. Limited revenue diversification reduces the government's ability to generate stable and sustainable income, increasing reliance on borrowing (Otiko & Iheonkhan, 2022).

Infrastructure and human capital development are also critical for long-term growth and stability. An inadequate infrastructure increases the cost of doing business and limits economic growth. High borrowing to finance infrastructure projects can further increase the debt burden without commensurate economic returns. Human capital constraints, such as poor investment in education and healthcare, limit workforce productivity and economic potential, reducing the effectiveness of development spending and increasing long-term fiscal pressures (Osmond & Nnamocha, 2015).

CONCLUSION

Nigeria faces significant challenges in managing public debt and maintaining monetary stability due to fiscal, monetary, and external factors. The country's experience highlights the need for a balanced approach to economic policy, effective governance, and strategic reforms. Key findings include high debt levels and sustainability concerns, interest rate dynamics and inflation, exchange rate volatility, fiscal policy challenges, external vulnerabilities, institutional and governance weaknesses, and the need for economic diversification and structural reforms.

Policy recommendations

1. Nigerian public expenditure managers (PEM) should strengthen fiscal discipline by enhancing budgetary controls, improving tax administration, promoting economic diversification by supporting nonoil sectors and boosting infrastructure development.
2. Nigeria government must strengthen institutional capacity and implement robust governance frameworks in order to improve its debt management practices.
3. The CBN must adopt prudent monetary policy measures, such as managing interest rates carefully and enhancing foreign exchange reserves in order to balance inflation control and economic growth.

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