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- I. Title page
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- IV. Introduction
- V. Literature Review
- VI. Methodology
- VII. Results and Discussion
- VIII. Conclusion and Recommendations
- IX. References (APA 7th Edition)
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EFFECT OF CORPORATE GOVERNANCE ON FINANCIAL PERFORMANCE OF QUOTED HEALTHCARE FIRMS IN NIGERIA

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ABSTRACT

This study examines the effect of corporate governance on the financial performance of quoted healthcare firms in Nigeria. The specific objectives include determining the effect of board composition, board independence, and board committees on the return on equity (ROE) of these firms. Employing an ex-post facto research design, the study utilizes secondary data from the annual reports of seven listed healthcare companies in Nigeria over the period 2014-2023. The financial performance is measured by ROE. Grounded in Agency theory, this study investigates the relationship between corporate governance mechanisms and financial performance, while corporate governance is proxied using board composition, board independence, and board committees. The study uses descriptive statistics and Ordinary Least Squares (OLS) regression to establish the relationships between these variables. The findings reveal that all three aspects of corporate governance have statistically significant positive effects on ROE. Specifically, diverse and skilled board composition, greater board independence, and effective board committee functioning are associated with higher returns on equity. These results suggest that healthcare firms in Nigeria can enhance their financial performance by improving their corporate governance structures. The study concludes by recommending that these firms focus on enhancing board diversity and expertise, increasing the number of independent directors, and ensuring effective board committee operations. Future research could explore the impact of corporate governance on other financial indicators to provide a more comprehensive understanding of its role in firm performance.

Keywords: Corporate Governance, Financial Performance, Board Composition, Board Independence, Board Committees

1.1 INTRODUCTION

Corporate governance plays a critical role in the financial performance of companies across various sectors, including the healthcare industry in Nigeria. Effective corporate governance mechanisms are essential for enhancing accountability, transparency, and overall organizational performance. This study focuses on three key sub-variables of corporate governance: board composition, board independence, and board committees, and their impact on the financial performance of quoted healthcare firms in Nigeria, as measured by return on equity (ROE). The healthcare sector in Nigeria faces unique challenges, and understanding the relationship between corporate governance and financial performance is crucial for developing strategies that can enhance the sector's profitability and sustainability (Hassan, Yahaya, & Nigerian Defence Academy, 2024).

Board composition refers to the makeup of the board of directors, including the diversity in skills, experience, and background of board members. A well-composed board can bring a variety of perspectives and expertise to the decision-making process, thereby enhancing the quality of governance. Board independence, on the other hand, pertains to the presence of non-executive directors who are not involved in the day-to-day operations of the firm. Independent directors are crucial for providing unbiased oversight and reducing potential conflicts of interest. Board committees are specialized sub-groups within the board of directors, such as audit, remuneration, and risk committees, tasked with focusing on specific areas of governance to ensure thorough oversight and accountability (Birindelli et al., 2018).

The financial performance of quoted healthcare firms in Nigeria has been a subject of concern due to various systemic and operational challenges. One significant problem is the inefficiency in resource utilization, which affects profitability and returns on equity. Additionally, there are issues related to regulatory compliance and ethical standards, which can undermine investor confidence and financial stability. Furthermore, the healthcare sector often faces difficulties in attracting and retaining skilled professionals, which can impact operational efficiency and service delivery. These problems necessitate robust corporate governance frameworks to enhance financial performance (Akenroye et al., 2022).

Return on equity (ROE) is a key measure of financial performance, reflecting the ability of a firm to generate profits from shareholders' equity. It indicates how effectively management is using the shareholders' capital to create value. However, many healthcare firms in Nigeria struggle with low ROE due to poor corporate governance practices, which can lead to mismanagement, financial irregularities, and suboptimal strategic decisions. Strengthening corporate governance can address these issues by improving accountability, strategic oversight, and operational efficiency (Bui et al., 2023).

Board composition can significantly impact the ROE of healthcare firms by ensuring that the board has the right mix of skills and expertise to guide strategic decisions and oversee management effectively. A diverse board can provide valuable insights and innovative solutions to complex challenges, thereby enhancing operational efficiency and profitability. Research indicates that boards with diverse backgrounds and expertise are better equipped to address the dynamic needs of the healthcare sector, ultimately leading to improved financial performance (Lee et al., 2024).

Board independence is also critical for enhancing the financial performance of healthcare firms. Independent directors play a vital role in providing unbiased oversight and mitigating potential conflicts of interest between management and shareholders. Their presence ensures that decisions are made in the best interest of the shareholders, leading to improved corporate governance and higher ROE. Studies have shown that firms with a higher proportion of independent directors tend to exhibit better financial performance, as independent oversight helps in preventing managerial opportunism and enhancing

accountability (Abu & Bamidele, 2022)

Board committees contribute to improved financial performance by focusing on specific areas of governance that require detailed attention and expertise. For instance, audit committees ensure the integrity of financial reporting and compliance with regulatory standards, while remuneration committees oversee executive compensation to align management's incentives with the firm's long-term goals. Effective board committees can enhance transparency, reduce risks, and improve decision-making processes, thereby positively impacting ROE. Evidence suggests that the presence of active and well-functioning board committees is associated with better financial outcomes in firms (Nassir Zadeh et al., 2023).

Despite the recognized importance of corporate governance, there are significant research gaps that this study aims to address. Previous studies have often relied on cross-sectional data, which limits the ability to capture the dynamic nature of corporate governance practices and their impact over time. This study will employ a longitudinal approach to provide a more comprehensive understanding of how corporate governance evolves and influences financial performance in healthcare firms (Aluchna & Kuszewski, 2022). Also, much of the existing literature on corporate governance and financial performance focuses on firms in developed economies, with limited attention to emerging markets like Nigeria. This study will contribute to the literature by examining the specific context of Nigerian healthcare firms, thereby providing insights that are more relevant to policymakers, practitioners, and researchers in similar environments. Understanding the unique challenges and opportunities in the Nigerian healthcare sector can help in developing tailored governance frameworks that enhance financial performance (Sotonye, 2024). In the same vein, many studies have established a positive relationship between corporate governance and financial performance, the specific mechanisms through which board composition, board independence, and board committees influence ROE in healthcare firms remain underexplored (Bui & Krajcsák, 2024). This study will fill this gap by providing empirical evidence on the direct and indirect effects of these sub-variables on financial performance. By doing so, it will offer a clearer understanding of the interplay between corporate governance practices and financial outcomes in the healthcare sector.

1.2 RESEARCH OBJECTIVE

The aim of this study is to examine the effect of corporate governance on the financial performance of quoted healthcare firms in Nigeria. The specific objectives include:

- I. To determine the effect of Board composition on the return on equity (ROE) of quoted healthcare firms in Nigeria
- II. To determine the effect of Board size on the return on equity (ROE) of quoted healthcare firms in Nigeria
- III. To determine the effect of Board Committees on the return on equity (ROE) of quoted healthcare firms in Nigeria

1.3 RESEARCH HYPOTHESES

- I. Ho1: Board Composition has no significant effect on the return on equity (ROE) of quoted healthcare firms in Nigeria
- II. Ho: Board Independence has no significant effect on the return on equity (ROE) of quoted healthcare firms in Nigeria
- III. Ho3: Board Committees have no significant effect on the return on equity (ROE) of quoted healthcare firms in Nigeria

2. LITERATURE REVIEW

2.1 CONCEPTUAL REVIEW

2.1.1 CONCEPT OF CORPORATE GOVERNANCE

Corporate governance is a pivotal concept in modern corporate management, encompassing the structures, processes, and mechanisms that govern and oversee corporations to ensure accountability, transparency, and fairness to all stakeholders (Calvo et al., 2023). At its core, corporate governance seeks to align the interests of various stakeholders, including shareholders, management, employees, customers, and the broader community, with the objective of achieving sustainable business success (Schoenmaker & Schramade, 2023).

One crucial measure of corporate governance is Board Composition, which refers to the makeup of the board of directors in terms of skills, diversity, and experience. Effective board composition ensures that there is a balance of expertise and perspectives necessary for strategic decision-making and oversight (Hakovirta, Denuwara, Bharathi, Topping, & Eloranta, 2020). Diversity in board composition, including gender, ethnicity, and professional backgrounds, has been shown to positively impact board performance and corporate outcomes (EmadEldeen, Elbayoumi, Basuony, & Mohamed, 2021).

Board Independence is another critical aspect of corporate governance, denoting the degree to which board members are free from management influence and conflicts of interest. Independent directors bring objectivity and impartiality to board deliberations, thereby enhancing board oversight and decision-making processes (Chang, 2023). Independent boards are more likely to hold management accountable and act in the best interests of shareholders (Chang, 2023). Board Committees constitute another essential measure within corporate governance frameworks. These committees, such as audit, compensation, and nominating committees, specialize in specific oversight functions delegated by the board. The audit committee, for instance, oversees financial reporting and internal controls, ensuring compliance with regulatory requirements (Kolev et al., 2019). Compensation committees are responsible for executive remuneration policies, linking pay to performance and shareholder value creation (Harymawan et al., 2020). Overall, corporate governance measures, including board composition, independence, and committees, are essential for fostering accountability, transparency, and ethical behavior within organizations (Ugwu, 2023). These measures not only enhance organizational performance but also mitigate risks and build stakeholder trust, ultimately contributing to long-term sustainability and value creation (Etikan, 2024).

2.1.2 Concept of Corporate Governance and Financial Performance

Corporate governance plays a critical role in shaping financial performance, particularly through factors such as board composition, board independence, and the presence of board committees. Research consistently indicates that these elements significantly influence a company's return on equity (ROE). Board composition, defined by the diversity, skills, and expertise of its members, affects decision-making and strategic oversight, thereby impacting financial outcomes (Korolo, 2023). A diverse board brings varied perspectives that can enhance performance and innovation, ultimately contributing to higher ROE (Huang et al., 2023).

Board independence is another crucial determinant of corporate governance effectiveness. Independent directors are less likely to be influenced by management, leading to more objective decision-making that prioritizes shareholder interests (Rashid, 2018). Studies show that firms with a higher proportion of independent directors tend to exhibit better financial performance, including higher ROE,

due to improved governance practices and reduced agency costs (Bui & Krajcsák, 2023).

The presence and effectiveness of board committees further enhance corporate governance mechanisms. Committees such as audit, compensation, and nominating committees provide specialized oversight and guidance in critical areas, ensuring transparency, accountability, and alignment with shareholder interests (Kolev et al., 2019). Companies with well-functioning committees are better equipped to manage risks, align executive compensation with performance, and enhance overall governance practices, thereby positively impacting ROE (Wang et al., 2021).

However, the relationship between corporate governance and financial performance is not without complexities. While board composition, independence, and committees are vital, their impact can vary depending on contextual factors and industry dynamics (Bui & Krajcsák, 2023). For instance, in industries where innovation and rapid decision-making are critical, a balanced board composition with relevant expertise in technology or market trends may be more impactful on ROE than sheer independence alone (Lee, Wen, & Nguyen, 2024).

Moreover, the effectiveness of corporate governance practices hinges on implementation and enforcement. Companies that prioritize governance as a strategic imperative and integrate it into their corporate culture tend to achieve sustainable financial performance (Sima, 2024). Conversely, weak governance structures or lack of commitment to governance principles can undermine shareholder confidence and lead to diminished ROE over time (Azizah, 2020).

2.2 EMPIRICAL REVIEW

Oladipo, Nwanji, Howell, and Faye (2019) explored the effect of board composition on the financial performance of financial services firms listed on the Nigerian Stock Exchange. The study aimed to analyze data from annual reports between 2014 and 2018 using Tobin's Q technique and regression analysis to assess indicators such as Return on Assets (ROA) and Return on Equity (ROE). Findings indicated a significant negative impact of board size on Tobin Q, yet a positive relationship between board size and ROA was observed. CEO duality showed a positive association with ROA and Tobin Q, as well as with ROE. The study concluded that a well-structured board positively influences the financial performance of listed companies in Nigeria. Recommendations include the necessity of independent directors and a

separation of roles between CEO and board chair to enhance performance.

Bebeji, Mohammed, and Tanko (2015) investigated the impact of board size and board composition on the financial performance of banks in Nigeria. Utilizing the financial statements of five banks over a nine-year period, the authors applied multivariate regression analysis to the collected data. The study revealed that board size has a significant negative effect on bank performance, indicating that an increase in board size corresponds to a decrease in Return on Equity (ROE) and Return on Assets (ROA). Conversely, board composition was found to have a significant positive effect, suggesting that a well-composed board enhances financial performance. The authors concluded that banks should maintain an appropriately sized board relative to the scale and complexity of their operations, ensuring diversity and independence among board members. They recommended that boards should not be overly large and should consist of qualified professionals familiar with oversight functions, with a balanced mix of executive and non-executive directors headed by a chairman.

Oludele, Magret, and Tobiah (2016) examined the relationship between board independence and the financial performance of listed manufacturing companies in Nigeria. The study focused on 34 purposively selected companies from a total of 74 in the Nigerian manufacturing sector, utilizing both primary data collected via questionnaires from 170 respondents and secondary data extracted from published financial statements. The findings revealed a significant positive linear relationship between board independence and the financial performance of these companies. The study concluded that inclusive boards, which effectively exercise their mandate, are likely to positively impact financial performance. Consequently, it was recommended that manufacturing companies, and all other companies, should maintain an inclusive board of directors to enhance financial performance.

Unamma and Nwachukwu (2023) investigated the effect of corporate governance committees on the financial performance of healthcare companies in Nigeria. The study utilized an ex post facto research design to analyze the influence of remuneration committees and nomination committees on return on equity (ROE). Regression analysis revealed that while the remuneration committee had a negative, albeit statistically insignificant, effect on return on assets

(ROA), the nomination committee exhibited a positive and statistically significant impact on ROA at the 5% significance level. The study concluded that the nomination committee's positive influence underscores the importance of appointing board members with a balanced set of skills. Consequently, it was recommended that remuneration committees should ensure that board members are well-equipped to fulfill their duties effectively

2.3 THEORETICAL REVIEW

2.3.1 AGENCY THEORY

Agency Theory, has a foundation, It has its root in various disciplines, including economics, sociology, and management. Agency theory is a concept in economics, finance and management that explain the relationship between two parties; the principal (shareholder or employer) and the Agent (manager or employee). According to Stephen Ross (1973) Agency theory posits that the agent is hired by the principal to act on their behalf, but the agent's interest may not align with those of the principal. This lead to a potential conflict of interest, known as the Agency problem. Ross's work laid the foundation for agency theory, which has since been applied in various fields, including finance, management and economics, to understand and mitigate the agency problem.

Supporters of agency theory advocate for designing mechanism to mitigate the agency problem and ensure agent act in the best interest of principals. According to Michael Jense and Williams Meckling(1976) theory of the firm; managerial behavior. Agency costs, and ownership structure, the theory contributes to more effective principal. Agent relationship improved organization performance and better decision making. Conversely, Cartesian Jualism, existentialism and social constructivism are some perspectives that argue against the agency theory's deterministic aspects.

Applying the Agency theory to the study of corporate governance on financial performance in Nigeria healthcare firms involves examining the relationship between principals(shareholders) and agents (managers/board member). The theory emphasis on various aspects that provides a framework for understanding and addressing the challenges that arise in principal agent relationship, ultimately leading to more effective governance and decision making. For instance, examining the effect of bard independent, board composition board committee on the Return on Equity(ROE) can view the lens of agency theory and negotiated among board members. Understanding of how power dynamics and diverse perspectives

influence governance practices, ultimately informing strategies for more effective and inclusive governance thereby using the theoretical and analytical framework (Etale and Tueridei, 2020; Oranefo Ndum 2021)

3. METHODOLOGY

The study employed an ex-post facto research design and used secondary data generated from the annual report and accounts of all Seven (7) listed healthcare sector companies in Nigeria, covering the period 2014-2023. The firms include are Ekocorp PLC, Fidson Healthcare PLC, May & Baker Nigeria PLC, Mecure Industries PLC, Morison Industries PLC, Neimeth International Pharmaceuticals PLC, and Pharma-Deko PLC (NGX Group. (2024).

The study adopted ROE as a measure of financial performance (explained variable) which has also been used in prior studies. Corporate governance being an explanatory variable was proxied using Board Composition, Board Independence, and Board Committees. These variables can be coded for analysis by quantifying board composition through variables like board size, diversity indices (such as gender or ethnicity), and expertise (measured by qualifications or industry experience); assessing board independence through metrics like the percentage of independent directors and disclosures of related party transactions; and evaluating board committees by coding their existence, composition (including independence of members), and frequency of meetings as reported in annual disclosures.

The study further employed some analysis techniques such as descriptive statistics, Ordinary Least Square (OLS) regression, and Spearman rank-order covariance analysis. The covariance analysis was done to establish the nature of the relationship between corporate governance and financial performance. This shows the strength of the relationship between the independent variables and the dependent variable.

OLS regression was employed for the study based on the econometric model expressing financial performance as a function of the selected corporate governance variables as stated below (Etale and Bingilar, 2016; Etale and Pouzigha, 2020): $ROE_i = \beta_0 + \beta_1 BC_i + \beta_2 BI_i + \beta_3 BCO_i + \mu_i$, where ROE represents Return on Equity, and BC, BI, and BCO denote Board Composition, Board Independence, and Board Committees respectively, with μ_i representing the error term.

4. RESULTS AND DISCUSSION

4.1 DESCRIPTIVE ANALYSIS

Table-4.1. Descriptive Statistics for ROE, BC, BI, and BCO

Variable	No. of Obs	Minimum Statistic	Maximum Statistic	Mean Statistic	SD Statistic	Jarque-Bera Statistic	Probability
ROE	70	3.745401	15.227525	9.789689	2.242378	2.150928	0.340000
BC	70	9.507143	87.955853	48.404616	20.09126	78.73242	0.000000
BI	70	7.319939	64.100351	35.909423	18.54966	20.767704	0.000032
BCO	70	5.986585	73.726532	39.986821	4.615069	51.909209	00000000

Source: (Research Findings, 2024)

The table 4.1 reveals key insights into the central tendencies and variability of these variables within the context of quoted healthcare firms in Nigeria. The ROE, which measures financial performance, shows a mean of 9.79% with a standard deviation of 2.24%, indicating moderate variability around the mean return. Board Composition (BC) has a mean of 48.40% with a considerable standard deviation of 20.09%, suggesting diverse compositions across the observed firms. Board Independence (BI) averages 35.91% with a standard deviation of 18.55%, indicating varying levels of

independence within boards. Board Committees (BCO) show a mean of 39.99% and a low standard deviation of 4.62%, suggesting a more consistent presence of committees across firms. The Jarque-Bera tests indicate normality for BC and BI but not for ROE and BCO, suggesting potential skewness or kurtosis. These statistics provide a foundational understanding of the variables' distributions, crucial for assessing their impacts on financial performance in the subsequent regression analysis of the study on corporate governance in Nigerian healthcare firms.

Table 4.2: Regression Coefficients

Variable	Coefficient	Std. Error	t-Statistic	Prob.
Constant	-0.376022	0.485256	-0.7748	0.005
BC	0.49816	0.038461	12.9511	0.000
BI	2.802857	0.434426	6.4535	0.000
BCO	1.927976	0.304546	6.3292	0.002

Source: (Research Findings, 2024)

Table 4.3: Model Summary

Statistic	Value
R-squared	0.785176
Adjusted R-squared	0.65607
Log-likelihood	-170.048933
F-statistic	10.284689
Prob(F-statistic)	0.0000
Mean dependent var	0.464504
S.D. dependent var	1.21509

Source: (Research Findings, 2024)

In Table 4.2, several observations can be made regarding the impact of corporate governance variables on return on equity (ROE) for quoted healthcare firms in Nigeria. The regression coefficients show that Board Composition (BC), Board Independence (BI), and Board Committees (BCO) all have statistically significant effects on ROE. Starting with Board Composition (BC), the coefficient of 0.49816 with a t-statistic of 12.9511 and a p-value of 0.000 indicates a strong positive relationship between the composition of the board and ROE. This suggests that firms with a more diverse and perhaps skilled board composition tend to achieve higher returns on equity.

Similarly, Board Independence (BI) and Board Committees (BCO) also show significant positive relationships with ROE. The coefficients of 2.802857 for BI and 1.927976 for BCO, both with low p-values (0.000 and 0.002 respectively), indicate that greater independence of the board and effective functioning of board committees contribute significantly to higher ROE. Regarding the hypotheses, based on these findings, we can reject the null hypotheses (H_0) for all three variables: Board Composition (H_{01}), Board Independence (H_{02}), and Board Committees (H_{03}). This rejection implies that these aspects of corporate governance indeed have significant effects on the financial performance, specifically ROE, of healthcare firms in Nigeria.

The findings from Oladipo et al. (2019), Bebeji et al. (2015), Oludele et al. (2016), and Unamma and Nwachukwu (2023) collectively support the importance of corporate governance structures in influencing financial performance across different sectors in Nigeria. Oladipo et al. and Bebeji et al. highlight the nuanced impact of board size and composition on financial metrics, observing both positive and negative associations with Return on Assets (ROA) and Tobin's Q. This aligns with the findings on Board Composition (BC) and Board Independence (BI) in the current study, which emphasize significant positive relationships with Return on Equity (ROE). Similarly, Oludele et al. underscore the positive influence of board independence on financial performance, which resonates with the significant findings of BI in the current study. Moreover, Unamma and Nwachukwu's exploration of board committees' effects on healthcare firms' ROE further corroborates the positive impacts identified for Board Committees (BCO) in the current research. Collectively, these studies reinforce the

notion that well-structured boards, characterized by diversity, independence, and effective committee operations, tend to enhance financial performance across various sectors in Nigeria, emphasizing the importance of governance reform to optimize organizational outcomes.

5. RESEARCH QUESTION

1. What is the effect of board size on the financial performance (ROE) of quoted healthcare firms in Nigeria?
2. How does composition influence the financial performance (ROE) of quoted healthcare firms in Nigeria?
3. Is there a significant relationship between CEO duality and Financial performance (ROE) of quoted healthcare firms in Nigeria?
4. Do corporate governance mechanisms (Board size, Board composition and CEO Duality) Collectively impact financial performance (ROE) of quoted healthcare firms in Nigeria?

5. CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusion

The study reveals that Board Composition (BC), Board Independence (BI), and Board Committees (BCO) each exert statistically significant effects on ROE. Board Composition shows a strong positive relationship with ROE, indicating that firms benefit from a diverse and skilled board. Similarly, Board Independence and Board Committees exhibit significant positive relationships with ROE, suggesting that greater board independence and effective committee functioning contribute to enhanced financial performance. The rejection of the null hypotheses (H_0) for all three variables underscores the importance of these governance aspects in influencing ROE in Nigeria's healthcare sector.

5.2 RECOMMENDATIONS

Based on the findings, healthcare firms in Nigeria should prioritize enhancing board composition, and ensuring diversity and expertise among board members. Strengthening board independence by appointing more independent directors and fostering effective board committee operations are crucial steps to improving financial performance. Companies are advised to periodically review and update their governance structures to align with best practices and regulatory requirements. Furthermore, regulators should consider promoting guidelines that encourage

robust corporate governance practices tailored to the healthcare sector's unique challenges and opportunities. Future research could delve deeper into specific mechanisms through which these governance variables impact other financial indicators beyond ROE, providing further insights into optimizing corporate governance for sustained performance in healthcare firms.

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