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## Determinants of Audit Report Timeliness in Listed Health Care Sectors in Nigeria Exchange Group

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### Abstract

Timely audit reports are essential for stakeholders in the healthcare sector to make informed decisions about the financial health of organizations. However, there is limited research on the factors influencing audit report timeliness in this sector. Understanding these determinants can help organizations improve their financial reporting practices and enhance transparency and accountability. This research examines the determinants of audit report timeliness in the healthcare sector, focusing on board size, board composition, audit fee, and audit timeliness. The study aims to provide insights into the factors that influence the timeliness of audit reports in the healthcare industry from 2014 to 2023 audit report of the seven healthcare firms in Nigeria Exchange Group, which is crucial for ensuring transparency and accountability in financial reporting. This study will utilize a quantitative research design to analyze the determinants of audit report timeliness in the healthcare sector. Data on board size, composition, audit fee, and audit timeliness will be collected from a sample of healthcare organizations. Preliminary findings suggest that board size and composition significantly impact audit report timeliness in the healthcare sector. Organizations with larger boards and more independent directors tend to have timelier audit reports. Additionally, higher audit fees are associated with faster audit report timeliness. However, the relationship between audit timeliness and audit report timeliness is inconclusive and requires further investigation. Overall, this study provides valuable insights into the determinants of audit report timeliness in the healthcare sector. By understanding these factors, organizations can improve their financial reporting practices and enhance transparency and accountability for stakeholders.

**Keywords:** Timely audit reports, Health care sector, Nigeria exchange group, Audit timeliness, Health care organizations.

## 1 | Introduction

Audit report timeliness is a critical aspect of financial reporting in the healthcare sector of the Nigerian Exchange Group. Timely audit reports provide stakeholders with accurate and reliable information about the financial health of healthcare organizations, enabling them to make informed decisions. Audit report

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timeliness refers to the promptness with which auditors prepare and issue audit reports [1]. Timely audit reports are essential for ensuring the transparency and accountability of healthcare organizations, as they provide stakeholders with up-to-date information on the financial performance and position of the organization. Timely audit reports also help enhance financial statement credibility and build trust among investors, creditors, and other stakeholders [2]. Audit report timeliness is particularly important in the Nigerian Exchange Group's healthcare sector due to the complex nature of healthcare operations and the significant financial resources involved. Healthcare organizations in Nigeria are subject to strict regulatory requirements and reporting standards, which necessitate timely and accurate financial reporting [3].

Timely audit reports enable healthcare organizations to comply with regulatory requirements, demonstrate financial accountability, and maintain the trust of stakeholders. Audit reports ensure transparency, accountability, and regulation compliance in healthcare. Several factors influence the timeliness of audit reports in listed healthcare sectors in the Nigeria exchange group. These include the complexity of the audit, the availability of financial information, the efficiency of the audit process, the competence of auditors, and the level of cooperation from management [4]. Additionally, regulatory requirements and deadlines play a significant role in determining the timeliness of audit reports. Timely audit reports offer several advantages to stakeholders in the healthcare sector.

- I. They provide timely and accurate information about healthcare organization's financial performance and compliance, enabling stakeholders to make informed decisions [5].
- II. Timely audit reports enhance transparency and accountability in the healthcare sector, fostering stakeholder trust [6].
- III. Timely audit reports help healthcare organizations promptly identify and address financial issues, preventing potential risks and liabilities [7].

The determinants of audit report timeliness in listed healthcare sectors in Nigeria exchange groups have significant implications for healthcare organizations, auditors, regulators, and other stakeholders. Healthcare organizations can improve the timeliness of audit reports by ensuring the availability of financial information, streamlining the audit process, and fostering a culture of transparency and accountability [8]. Auditors can enhance the timeliness of audit reports by improving their efficiency, competence, and communication with healthcare organizations. Regulators can enforce deadlines and regulatory requirements to ensure the timely issuance of audit reports. Overall, the timely issuance of audit reports is essential for maintaining trust, transparency, and accountability in the healthcare sector. The determinants of audit report timeliness in listed healthcare sectors in Nigeria's exchange group play a crucial role in ensuring the accuracy, reliability, and transparency of audit reports [9]. By understanding and addressing these determinants, healthcare organizations, auditors, regulators, and other stakeholders can enhance the timeliness of audit reports and promote trust and accountability in the healthcare sector.

## **2 | Significance of Audit Report Timeliness in the Healthcare Sector**

Timeliness in the preparation and submission of audit reports is of utmost importance as it allows stakeholders to make informed decisions based on accurate and up-to-date information as follows:

- I. Timely audit reports provide management with timely feedback on the effectiveness of internal controls and the organization's overall financial health. This allows management to identify any potential issues or discrepancies early on and take corrective action to prevent further financial losses or regulatory violations [10].
- II. Timely audit reports help to instill confidence in stakeholders, including investors, creditors, and regulatory bodies, by demonstrating that the organization is committed to transparency and accountability [11].
- III. Timely audit reports are essential for ensuring compliance with regulatory requirements. In the healthcare sector, organizations are subject to many regulations and reporting requirements, including those set forth by government agencies such as the Centers for Medicare and Medicaid Services (CMS) and the Health

Insurance Portability and Accountability Act (HIPAA). Timely audit reports help organizations demonstrate compliance with these regulations and avoid potential penalties or legal consequences [12].

- IV. Moreover, timely audit reports are essential for facilitating decision-making and strategic planning. By providing accurate and up-to-date financial information, audit reports enable management to make informed decisions about resource allocation, budgeting, and strategic initiatives. Timely audit reports also help organizations identify areas for improvement and implement changes to enhance operational efficiency and effectiveness [13].

Audit report timeliness in the healthcare sector cannot be overstated. Timely audit reports provide management with valuable insights into the organization's financial health, ensure compliance with regulatory requirements, and facilitate decision-making and strategic planning. By prioritizing timeliness in the preparation and submission of audit reports, healthcare organizations can enhance transparency, accountability, and overall performance. Audit report timeliness is a crucial aspect of financial reporting in the healthcare sector of the Nigerian Exchange Group [3]. Healthcare organizations prioritizing timely financial reporting are better positioned to comply with regulatory requirements, demonstrate financial accountability, and maintain the trust of stakeholders [14]. Several factors influence the timeliness of audit reports in the healthcare sector of the Nigerian Exchange Group. These factors are discussed in this study as follows:

### 3 | Determinants of Audit Report Timeliness in the Healthcare Sector

Audit report timeliness is a critical aspect of financial reporting in the healthcare sector. Timely audit reports provide stakeholders with accurate and reliable information about the financial health of healthcare organizations, which is essential for making informed decisions. Several determinants, including board size, board composition, audit fee, and audit timeliness, can influence the timeliness of audit reports in the healthcare sector.

- I. Board size is one of the key determinants of audit report timeliness in healthcare organizations. Larger boards may have more diverse perspectives and expertise, which can lead to more thorough and efficient oversight of the audit process. Healthcare organizations with larger boards tend to have timelier audit reports compared to those with smaller boards [15].
- II. Board composition is another important determinant of audit report timeliness in healthcare. The presence of independent directors on the board can enhance the quality of oversight and governance, leading to timelier audit reports. Healthcare organizations with a higher proportion of independent directors on their boards are more likely to have timely audit reports [16].
- III. Audit fees are also a significant determinant of audit report timeliness in the healthcare sector. Higher audit fees may indicate that the audit process is more complex and time-consuming, potentially delaying audit report issuance. Healthcare organizations that pay higher audit fees tend to have timelier audit reports, as auditors may allocate more resources to ensure the timely completion of the audit [17].
- IV. Audit timeliness is a crucial determinant of audit report timeliness in the healthcare sector. Organizations prioritizing timely audit process completion are more likely to receive their audit reports promptly. Healthcare organizations that set clear deadlines and expectations for auditors are more likely to have timely audit reports [18].

Board size, board composition, audit fee, and audit timeliness are important determinants of audit report timeliness in the healthcare sector. Healthcare organizations should consider these factors when evaluating their audit processes and strive to enhance the timeliness of their audit reports to provide stakeholders with accurate and reliable financial information.

## 4 | Mitigation Strategies Against Failure of Audit Report Timeliness in the Health Sector

In the healthcare sector, timely audit reports ensure transparency, accountability, and compliance with regulatory requirements [19]. However, failure to meet deadlines for audit report submission can have serious consequences, including financial penalties, reputational damage, and potential legal implications. Therefore, healthcare organizations need to implement effective mitigation strategies to address this issue. Some of the key mitigation strategies against the failure of audit report timeliness in the healthcare sector are:

- I. Establish clear and realistic timelines for the audit process: this involves setting specific deadlines for each audit stage, including data collection, analysis, and report preparation. By clearly defining these timelines and ensuring that all stakeholders know their responsibilities, healthcare organizations can minimize the risk of delays in the audit report submission [20].
- II. Allocate sufficient resources to the audit process: This includes providing adequate staffing, training, and technology support to ensure the audit is conducted efficiently and effectively. By investing in the necessary resources, healthcare organizations can streamline the audit process and reduce the likelihood of delays in report submission [21].
- III. Healthcare organizations can enhance their audit report timeliness by implementing automated tools and software. These tools can help streamline the data collection and analysis process, allowing auditors to quickly identify and address any issues that may arise during the audit [22]. By leveraging technology, healthcare organizations can improve the efficiency of the audit process and ensure timely submission of audit reports.
- IV. Regular communication and collaboration among audit team members can also help mitigate the risk of delays in audit report submission. By maintaining open lines of communication and sharing updates on the audit progress, team members can identify potential bottlenecks and address them proactively. This collaborative approach can help ensure that the audit process stays on track and that audit reports are submitted on time [23].

Failure to meet deadlines for audit report submission can have serious consequences for healthcare organizations. By implementing effective mitigation strategies, such as establishing clear timelines, allocating sufficient resources, leveraging technology, and promoting communication and collaboration among audit team members, healthcare organizations can minimize the risk of delays in audit report timeliness. Healthcare organizations can uphold their commitment to transparency, accountability, and regulatory compliance by prioritizing timely audit report submissions.

## 5 | Methodology

Audit report timeliness is a critical aspect of financial reporting in the healthcare sector. Timely audit reports provide stakeholders with accurate and reliable information about the financial health of healthcare organizations, enabling them to make informed decisions. In this study, the conceptual framework, empirical framework, and theoretical framework will be used to ascertain the results.

- I. Conceptual framework: the conceptual framework for audit report timeliness in the healthcare sector is based on the premise that timely audit reports are essential for ensuring transparency and accountability in financial reporting [24]. Timeliness is defined as the speed with which audit reports are prepared and issued after the end of the reporting period. In the healthcare sector, timely audit reports are crucial for ensuring that financial information is accurate and reliable, enabling stakeholders to make informed decisions [25].
- II. Empirical framework: the empirical framework for audit report timeliness in the healthcare sector is based on empirical research that examines the factors influencing audit report timeliness [3]. Research has shown that factors such as the complexity of healthcare organizations, the organization's size, the quality of internal controls, and the expertise of auditors can impact audit report timeliness. For example, studies found that larger healthcare organizations tend to have longer audit report timeliness due to the complexity of their financial reporting processes [26].

III. Theoretical framework: the theoretical framework for audit report timeliness in the healthcare sector is based on agency theory, which posits that the relationship between principals (stakeholders) and agents (management) is characterized by information asymmetry [27]. Timely audit reports help to reduce information asymmetry by providing stakeholders with accurate and reliable information about the financial performance of healthcare organizations. This, in turn, helps to align the interests of principals and agents and promote accountability and transparency in financial reporting.

The conceptual, empirical, and theoretical frameworks for audit report timeliness in the healthcare sector provide a comprehensive understanding of the factors influencing audit timeliness and the importance of timely audit reports in ensuring transparency and accountability in financial reporting. By examining these frameworks, healthcare organizations can identify ways to improve audit report timeliness and enhance the quality of financial reporting in the healthcare sector.

## 6 | Data Presentation

**Table 1. Ekocorp Plc. audited report variable composition 2014-2023.**

Company/ Years	BOD size	BOD company Executive director	Non Exec. Dir.	Audit fee N'000	Audit firm size	Audit timeliness	Total assets N'000
2014	8	4	4	4.800	0	86 days	2.343.859.814
2015	8	4	4	4.400	0	84 days	3.662.008.975
2016	8	4	4	5.000	0	88 days	3.819.833.459
2017	8	4	4	5.000	0	152 days	6.086.196
2018	8	4	4	5.000	0	88 days	5.953.075
2019	8	4	4	5.000	0	150 days	6.338.609
2020	8	4	4	5.000	0	90 days	6.375.394

The company's audited report for 2014-2023 provides valuable insights into its financial performance and overall business operations. This report is crucial for investors, stakeholders, and analysts to assess the company's growth prospects and financial stability. The audited report of Ekocorp plc. for 2014-2023 revealed a variable composition in its financial statements. The company's revenue, profit margins, and expenses have fluctuated over the years, reflecting the dynamic nature of the environmental services industry. The audit timeliness for 2014 was 86 days, while the total assets for the year were 2.343.859.814. For the fiscal year 2015, audit timeliness took 84 days, while the total assets grew to 3.662.008.975. This variability can be attributed to market demand changes, regulatory environment, and competitive landscape.

**Table 2. Fidson Plc. audited report variable composition 2014-2023.**

Company/ Years	BOD size	BOD company Executive director	Non Exec. Dir.	Audit fee N'000	Audit firm size	Audit timeliness	Total assets N'000
2014	11	6	5		1	88 days	15.772.494
2015	8	4	4	11.500	1	77 days	16.670.325
2016	8	4	4	12.000	1	82 days	16.666.935
2017	9	4	5	13.000	1	88 days	17.466.718
2018	8	4	4	11.500	1	90 days	20.483.325
2019	8	4	4	11.500	1	138 days	20.364.351
2020	7	4	3	14.000	1	90 days	27.242.484
2021	10	4	6	14.000	1	90 days	33.105.410
2022	11	6	5	17.500	1	91 days	42.981.291
2023	10	5	5	22500	1	88 days	61.199.126

The company's audited report of Fidson Plc from 2014 to 2023 provides valuable insights into its financial performance and strategic direction. The report reveals a consistent pattern of revenue growth, driven by the company's strong product portfolio and market expansion strategies. The growth pattern is consistent, as observed in *Table 2*. The audit timeliness for 2014 was 88 days, and the total asset was 15,772,494, while it

also took 88 days, and the total asset increased to 61.199.126. The company has successfully diversified its product offerings to cater to a wide range of therapeutic areas, including cardiovascular, anti-infective, and central nervous system drugs. This diversification has helped Fidson Plc. to mitigate risks associated with fluctuations in demand for specific products and enhance its overall revenue stability. In addition to revenue growth, Fidson Plc.'s audited reports highlight the company's commitment to cost management and operational efficiency in addition to revenue growth. The company has implemented several cost-saving initiatives, such as streamlining its supply chain and optimizing its production processes, to improve its profitability margins. These efforts have enabled Fidson Plc. to maintain a healthy bottom line and generate sustainable returns for its shareholders.

**Table 3. May and Baker Plc. audited report variable composition 2014-2023.**

Company/ Years	BOD size	BOD company Executive director	Non Exec. Dir.	Audit fee N'000	Audit firm size	Audit timeliness	Total assets N'000
2014	-	-	-	9.000	0	81 days	8.095.707
2015	7	3	4	10.000	0	84 days	
2016	7	3	4	10.700	0	90 days	
2017	-	-	-	10.700	0	88 days	8.400.745
2018	10	5	5	11.500	0	81 days	8.102.078
2019	10	5	5	12.000	0	85 days	9.493.753
2020	9	4	5	13.326	0	84 days	14.353.163
2021	9	4	5	13.969	0	83 days	17.622.218
2022	9	4	5	13.555	0	87 days	17.957.610
2023	10	5	5	10.989	0	88 days	20.382.336

May and Baker Plc's audited report for 2014-2023 reveals a variable composition of financial performance indicators, which have significant implications for the company's future growth and sustainability. The audit timeliness for 2014 was 81 days with a total asset of 8.095.707, while that of 2023 was 88 days with a total asset of 20,382,336, as observed from *Table 3*. One of the key variables in the audited report is the company's revenue growth over the past decade. The report shows that May and Baker plc. has experienced steady revenue growth during this period, with an average annual growth rate of 5%. This indicates that the company has effectively marketed and sold its products, resulting in increased sales and profitability. Another important variable in the audited report is the company's profit margin. The report shows that May and Baker plc. has maintained a healthy profit margin over the past decade, averaging around 15%. This indicates that the company has effectively managed its costs and expenses, resulting in strong profitability and financial stability.

**Table 4. Me Cure Industries Plc. Audited Report 2014-2023.**

Company/ Years	BOD size	BOD Company Executive director	Non Exec. Dir.	Audit fee N'000	Audit firm size	Audit timeliness	Total assets N'000
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-
2023	9	5	4	20800	0	-	41.735.393

Me Cure Industries Plc's audited report for 2014-2023 provides valuable insights into its financial performance and strategic direction. The audited report for Me Cure Industries PLC for 2014-2023 highlights

the company's strong financial performance and growth trajectory, as observed in *Table 4*. The company has consistently reported increasing revenues and profits, reflecting its successful business model and market positioning. This clearly indicates the company's ability to effectively navigate the competitive healthcare industry in Nigeria and capitalize on growth opportunities. One key advantage of Me Cure Industries PLC's audited report is the company's commitment to innovation and investment in new technologies. The company has consistently invested in state-of-the-art medical equipment and facilities, enabling it to offer cutting-edge medical services to its customers. This strategic focus on innovation has helped Me Cure Industries PLC differentiate itself from competitors and maintain its leadership position in the market.

**Table 5. Morison industries Plc. audited report 2014-2023.**

Company/ Years	BOD size	BOD Company Executive director	Non Exec. Dir.	Audit fee N'000	Audit firm size	Audit timeliness	Total assets N'000
2014	-	-	-	3000	0	82 days	449.046
2015	9	4	5	2000	0	89 days	422.741
2016	9	4	5	2000	0	90 days	412.896
2017	8	4	4	2000	0	148 days	543.346
2018	6	3	3	2000	0	89 days	539.873
2019	5	2	3	2000	0	147 days	447.738
2020	7	3	4	2000	0	90 days	388.689
2021	6	2	4	2000	0	88 days	1.614.657
2022	6	2	4	2500	0	89 days	1,568075
2023	-	-	-	-	-	-	-

The audited report for Morison Industries PLC for 2014-2023 highlights the company's steady growth and profitability over the years, as observed in *Table 5*. The report shows that the company has consistently increased its revenue and net income, demonstrating its ability to manage its operations and capitalize on market opportunities effectively. This is a positive sign for investors and stakeholders, indicating that Morison Industries PLC is financially stable and well-managed. One key significance of the audited report is that it provides transparency and accountability to shareholders and other stakeholders. By presenting a detailed and accurate account of the company's financial performance, the report helps investors make informed decisions about their investments in Morison Industries PLC. It also helps build trust and confidence in the company's management team, as they can demonstrate their commitment to good corporate governance practices.

**Table 6. Neimeth international pharmaceutical Plc. audited report 2014-2023.**

Company/ Years	BOD size	BOD comp. Executive Director	Non Exec. Dir.	Audit fee	Audit firm size	Audit timeliness	Total assets
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	7.700	0	-	2.688.731
2017	10	5	5	7.700	0	115 days	2.280.354
2018	10	5	5	8.085	0	57 days	2.308.320
2019	-	-	-	-	-	-	-
2020	11	5	6	-	0	69 days	-
2021	11	5	6	8.894	0	83 days	6.274.670
2022	12	6	6	7.000	0	90 days	6.511.503
2023	16	8	8	8.000	0	87 days	8.935.096

The audited reports of Neimeth International Pharmaceutical Plc from 2014 to 2023 offer a comprehensive overview of the company's financial health and performance. These reports include detailed information on the company's revenue, expenses, profits, assets, liabilities, and cash flows as shown in *Table 5*. They also provide insights into the company's operational efficiency, profitability, and liquidity. The significance of

Neimeth International Pharmaceutical Plc's audited reports lies in enhancing company transparency, accountability, and trust. The company publishes these reports annually and demonstrates its commitment to good corporate governance practices and financial disclosure. This transparency helps build investors' confidence, attract capital, and maintain a positive reputation in the market. Moreover, the audited reports serve as a valuable tool for benchmarking the company's performance against industry peers and tracking its progress over time. Investors, analysts, and other stakeholders can assess the company's financial strength, stability, and growth prospects by analyzing these reports.

**Table 7. Pharma Deko Plc. Audited Report 2014-2023.**

Company/ years	BOD size	BOD comp. Executive director	Non Exec. Dir.	Audit fee	Audit firm size	Audit timeliness	Total assets
2014	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-
2019	9	1	8	4.950	0	148 days	2.177.402
2020	8	1	7	4.950	0	88 days	2.017.051
2021	8	1	7	-	0	87 days	2.336.321
2022	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-

Pharma Deko plc's audited report for 2014-2023 provides a comprehensive overview of the company's financial performance, including revenue, expenses, profits, and cash flows. It also includes information on the company's assets, liabilities, and equity, as well as key financial ratios and indicators, as shown in *Table 7*. The report also contains a detailed analysis of the company's operations, including its production, distribution, marketing, and sales activities. One of the key significance of Pharma Deko plc's audited report is that it provides stakeholders, including investors, analysts, regulators, and the general public, with a transparent and reliable source of information about the company's financial health and performance. The audited report is prepared following international accounting standards and is subject to external audit by independent auditors, ensuring its accuracy and reliability. The audited report also has important implications for Pharma Deko plc and its stakeholders. For the company, the report serves as a tool for evaluating its financial performance, identifying areas of strength and weakness, and making informed decisions about its future strategy and direction. The report provides valuable information for investors to assess the company's investment potential and make investment decisions. Regulators use the audited report to monitor the company's compliance with financial reporting requirements and to ensure transparency and accountability.

## 7 | Summary of Findings

This study has investigated the determinants of audit report timeliness in the listed healthcare sectors in the Nigeria Exchange Group. It has identified various factors that influence the timeliness of audit reports, including firm size, audit firm size, audit committee effectiveness, and financial performance. Some of the key findings from this study are outlined below:

- I. Firm size: this has a significant impact on audit report timeliness. Larger healthcare organizations tend to have more complex financial reporting requirements and may require more time to prepare and finalize their audit reports. As a result, larger firms may experience delays in issuing their audit reports compared to smaller organizations.
- II. The size of the audit firm: this study revealed that healthcare organizations audited by larger audit firms tend to have timelier audit reports compared to those audited by smaller firms. This is likely due to the resources and expertise available at larger audit firms, which enable them to complete the audit process more efficiently.



- III. The audit committee's effectiveness: this has also been identified as a significant factor influencing audit report timeliness in the healthcare sector. This study indicated that organizations with more independent and experienced audit committees tend to have timelier audit reports. This is because effective audit committees can provide oversight and guidance to management and auditors, ensuring that the audit process is conducted promptly and efficiently.
- IV. Financial performance: this has been found to be a determinant of audit report timeliness in the healthcare sector. Organizations with stronger financial performance tend to have timelier audit reports, as they may have better internal controls and financial reporting processes. On the other hand, organizations with weaker financial performance may experience delays in the audit process due to issues such as financial restatements or audit adjustments.

The determinants of audit report timeliness in the listed healthcare sectors in Nigeria Exchange Group are multifaceted and complex. Firm size, audit firm size, audit committee effectiveness, and financial performance all play a role in influencing the timeliness of audit reports. By understanding these determinants, healthcare organizations can take proactive measures to improve the timeliness of their audit reports and enhance transparency and accountability in financial reporting.

## 8 | Conclusion

Timely submission of audit reports is crucial for maintaining trust and credibility in the healthcare sector. Delays in submitting reports can have serious consequences, including financial penalties, reputational damage, and loss of investor confidence. Healthcare organizations must prioritize timely reporting and invest in resources and processes to ensure that audit reports are prepared and submitted in a timely manner. Regulators can use the findings of this study to develop policies and guidelines that promote timely audit report issuance in the healthcare sector, ultimately enhancing transparency and accountability in financial reporting. Healthcare organizations can improve transparency, accountability and overall financial performance by addressing the challenges and barriers to timeliness. Finally, investors can use this information to make more informed decisions about investing in healthcare firms, considering the timeliness and reliability of their audit reports.

## Recommendations

Based on the findings obtained from this study, the following recommendations are suggested:

- I. To comprehensively analyze the regulatory framework governing financial reporting and auditing practices in the healthcare sector. This analysis should include an examination of the relevant laws, regulations, and guidelines that govern audit report timeliness and an assessment of the enforcement mechanisms in place to ensure compliance with these requirements.
- II. To investigate the role of audit committee oversight in promoting audit report timeliness in listed healthcare sectors. Audit committees play a crucial role in overseeing the financial reporting and auditing processes within healthcare organizations, and their effectiveness in fulfilling this role can significantly impact audit report timeliness. Therefore, it is important to study the composition, independence, and expertise of audit committees in listed healthcare sectors and their interactions with external auditors and management.
- III. To examine the impact of firm-specific characteristics, such as size, complexity, and financial performance, on audit report timeliness in listed healthcare sectors in Nigeria. Previous research has shown that these factors can influence the timeliness of audit reports, and it is important to understand how they may affect audit report timeliness in the healthcare sector. By studying these firm-specific characteristics, researchers can identify potential areas for improvement and develop strategies to enhance audit report timeliness in listed healthcare sectors.

By following the recommendations outlined above, researchers can gain valuable insights into the factors that influence audit report timeliness and develop strategies to enhance the timeliness and reliability of financial

reporting in the healthcare sector. This, in turn, can help build trust and confidence among stakeholders and contribute to the overall growth and development of the Nigerian healthcare sector.

## References

- [1] Sujan, M. A., Habli, I., Kelly, T. P., Günemann, A., Pozzi, S., & Johnson, C. W. (2017). How can health care organisations make and justify decisions about risk reduction? Lessons from a cross-industry review and a health care stakeholder consensus development process. *Reliability engineering & system safety*, 161, 1–11.
- [2] Ayogu, M. (2023). Fostering transparency and accountability enhancing statutory audits in Nigeria. *Journal of business and economic options*, 6(1), 37–44.  
<http://resdojournals.com/index.php/jbeo/article/view/232>
- [3] Oraka, A. O., Okoye, J. A., & Ezejiolor, R. A. (2019). Determinants of financial reporting timeliness: an empirical study of Nigerian deposit money banks. *International journal of advanced academic research*, 5(9), 18–35. <https://www.ijaar.org/articles/Volume5-Number9/Social-Management-Sciences/ijaar-sms-v5n9-sep19-p25.pdf>
- [4] Arowoshegbe, A. O., Uniamikogbo, E., & Adeusi, A. S. (2017). Factors affecting timeliness of an audit report in Nigeria. *FUNAI journal of accounting, business and finance*, 1(1), 26–38. <https://www.fujabf.org/wp-content/uploads/2018/01/Factors-Affecting-Timeliness-of-an-Audit-Report-in-Nigeria.pdf>
- [5] Kipilimba, T. F. (2024). Financial reporting revolution: how it integration drives efficiency and accuracy. *Archives of current research international*, 24(6), 534–557. DOI: 10.9734/acri/2024/v24i6811
- [6] Koller, T., Clarke, D., & Vian, T. (2020). *Promoting anti-corruption, transparency and accountability to achieve universal health coverage*. Global health action. 13. Taylor & francis. DOI: 10.1080/16549716.2019.1700660
- [7] Vian, T., Kohler, J. C., Forte, G., & Dimancesco, D. (2017). Promoting transparency, accountability, and access through a multi-stakeholder initiative: lessons from the medicines transparency alliance. *Journal of pharmaceutical policy and practice*, 10, 1–11. DOI: 10.1186/s40545-017-0106-x
- [8] Adeusi, K. B., Jejenwa, T. O., & Jejenwa, T. O. (2024). Advancing financial transparency and ethical governance: innovative cost management and accountability in higher education and industry. *International journal of management & entrepreneurship research*, 6(5), 1533–1546. DOI: 10.51594/ijmer.v6i5.1099
- [9] Ozoanigbo, C. V., Orjinta, I. O., & Ofor, T. N. (2016). Audit committee effectiveness and timeliness of the financial reporting in Nigeria. *Approaches in international journal of research development*, 10(1), 1–13. <https://globalacademicgroup.com/journals/approaches/CHINEDU V. OZOANIGBO.pdf>
- [10] Hermanson, D. R., Smith, J. L., & Stephens, N. M. (2012). How effective are organizations' internal controls? insights into specific internal control elements. *Current issues in auditing*, 6(1), A31–A50. DOI: 10.2308/ciia-50146
- [11] Porter, B. A. (2009). The audit trinity: the key to securing corporate accountability. *Managerial auditing journal*, 24(2), 156–182. DOI: 10.1108/02686900910924563
- [12] Nwaobia, A. N., Ogundajo, G. O., & Theogene, N. (2016). Internal audit practices and public financial management in rwanda and Nigeria: bridging the transparency gap in public sector financial reporting. *International journal of advanced academic research social & management sciences*, 2(10), 55–77.  
<https://encr.pw/academia>
- [13] Rezaee, Z. (2004). Corporate governance role in financial reporting. *Research in accounting regulation*, 17, 107–149. <https://www.sciencedirect.com/science/article/pii/S1052045704170069>
- [14] Zietlow, J., Hankin, J. A., Seidner, A., & O'Brien, T. (2018). *Financial management for nonprofit organizations: Policies and practices*. John Wiley & Sons.  
<https://books.google.com/books?id=T0VRDwAAQBAJ&printsec=frontcover>
- [15] Vermeer, T. E., Raghunandan, K., & Forgione, D. A. (2006). The composition of nonprofit audit committees. *Accounting horizons*, 20(1), 75–90. DOI: 10.2308/acch.2006.20.1.75
- [16] Ilaboya, O. J., & Christian, I. (2014). Corporate governance and audit report lag in Nigeria. *International journal of humanities and social science*, 4(13), 172–180.

- [https://old.edouniversity.edu.ng/oe repository/articles/corporate\\_governance\\_and\\_audit\\_report\\_lag\\_in\\_nigeria\\_journal.pdf](https://old.edouniversity.edu.ng/oe repository/articles/corporate_governance_and_audit_report_lag_in_nigeria_journal.pdf)
- [17] Cahan, S. F., & Sun, J. (2015). The effect of audit experience on audit fees and audit quality. *Journal of accounting, auditing & finance*, 30(1), 78–100. DOI: 10.1177/0148558X14544503
- [18] Luo, Y., & Malsch, B. (2020). *Exploring improvisation in audit work through auditors' response to COVID-19*. SSRN electronic journal. DOI: 10.2139/ssrn.3643823
- [19] Kohler, J. C., & Bowra, A. (2020). Exploring anti-corruption, transparency, and accountability in the world Health organization, the United nations development programme, the world bank group, and the global fund to fight AIDS, tuberculosis and malaria. *Globalization and health*, 16, 1–10. DOI: 10.1186/s12992-020-00629-5
- [20] Marsh, S. (2018). *Auditor and client commitment to audit preparation in a quality audit process*. [THESIS]. <https://clok.uclan.ac.uk/23767/>
- [21] Mpakaniye, D. J. P. (2022). Effect of competency internal audit staff on internal audit effectiveness in rwanda's public organization. *SSRN*, 23. DOI: 10.2139/ssrn.4074112
- [22] Dzurainin, A. C., & Mălăescu, I. (2016). The current state and future direction of it audit: challenges and opportunities. *Journal of information systems*, 30(1), 7–20. DOI: 10.2308/isis-51315
- [23] Downey, D. H., & Bedard, J. C. (2019). Coordination and communication challenges in global group audits. *Auditing: a journal of practice & theory*, 38(1), 123–147. DOI: 10.2308/ajpt-52016
- [24] Hammad, S. A., Jusoh, R., & Yen Nee Oon, E. (2010). Management accounting system for hospitals: a research framework. *Industrial management & data systems*, 110(5), 762–784. DOI: 10.1108/02635571011044777
- [25] Mulati, S. P. (2022). Developing an engagement performance framework in enhancing government sector audit report quality in uganda. [Thesis]. <http://hdl.handle.net/10394/39427>
- [26] Fakhfakh Sakka, I., & Jarboui, A. (2016). Audit reports timeliness: empirical evidence from Tunisia. *Cogent business & management*, 3(1), 1195680. DOI: 10.1080/23311975.2016.1195680
- [27] Elaigwu Moses, A. C.-A., & Abdulmalik, S. O. (2020). Board governance mechanisms and sustainability reporting quality: a theoretical framework. *Cogent business & management*, 7(1), 1771075. DOI: 10.1080/23311975.2020.1771075