

## **The Factors influencing the formation and persistence of Informal Housing in Lafia**

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**ABSTRACT:** *This study delves into the complex issue of informal housing in Lafia, Nigeria, a city experiencing rapid urbanization. It investigates the factors influencing the formation and persistence of informal housing, drawing on demographic insights and extensive data collection. Key findings highlight the role of land tenure challenges, rapid urbanization, ineffective housing policies, and affordability issues in driving informal settlements. The study emphasizes the need for collaborative partnerships, policy reforms, community engagement, and affordable housing initiatives to address these challenges. By fostering transparency, land tenure security, and education, sustainable urban development in Lafia can be achieved. This research contributes to a more comprehensive understanding of informal housing challenges and informs evidence-based policy recommendations and interventions.*

**KEYWORDS:** informal housing, rapid urbanization, land tenure challenges, affordable housing, community engagement.

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### **INTRODUCTION**

The formation and persistence of informal housing in urban areas is a complex phenomenon influenced by a myriad of social, economic, and political factors. Lafia, a rapidly urbanizing city, is not exempt from this trend. Understanding the underlying factors that contribute to the prevalence of informal housing in Lafia is crucial for devising effective policies and interventions to address this issue. In this qualitative analysis, we aim to explore and examine the factors influencing the formation and persistence of informal housing in Lafia, drawing insights from scholarly works and existing research.

Scholarly works on informal housing have shed light on the multifaceted nature of this phenomenon in various urban contexts, Mensah, Antwi, & Acheampong, (2013), Meshkini, Mansoor, & Esfaram, (2015). These studies have provided valuable insights into the underlying causes, dynamics, and consequences of informal settlements, offering a framework to understand similar trends in Lafia. By leveraging the knowledge and findings from these works, we can gain a deeper understanding of the factors that contribute to the formation and persistence of informal housing in Lafia, ultimately informing strategies for sustainable urban development and housing provision.

Rapid urbanization is a common theme explored in scholarly literature on informal settlements. As Lafia experiences a significant influx of people seeking opportunities, the city undergoes a transformation with profound implications for housing. Studies have highlighted how rapid urbanization creates a demand-supply imbalance in the formal housing sector, leading to the emergence of informal settlements as a coping mechanism for the growing population (Zhang, Chen, Gao, Shen, Kimirei, & Mapunda, (2020).

The issue of limited affordable housing is another key aspect discussed in scholarly works. Research has highlighted the challenges faced by low-income individuals and families in accessing formal housing options, particularly in cities with rising housing costs (UN-Habitat, 2015). This scarcity of affordable housing can contribute to the persistence of informal settlements as an alternative for those who are economically marginalized.

Land tenure issues have been extensively studied in the context of informal housing. Uncertain land ownership and lack of legal recognition are prevalent in many informal settlements, perpetuating their existence (Berhane, 2015; Fouad & Abbas, 2021). Scholars have emphasized the importance of addressing land tenure challenges as a crucial step towards improving living conditions and promoting sustainable urban development.

Moreover, socio-economic inequalities have been identified as influential factors in the formation and persistence of informal housing. The lack of employment opportunities, income disparities, and poverty create conditions where individuals and families are unable to afford formal housing or meet their basic needs, thereby resorting to informal settlements (Wahab, 2017, & Abebe 2018).

This qualitative analysis aims to build upon these scholarly works and delve deeper into the context of Lafia. By conducting interviews and engaging with relevant stakeholders, we seek to explore the specific dynamics and factors unique to Lafia that contribute to the formation and persistence of informal housing. The findings from this analysis will not only contribute to the existing body of knowledge but also inform policymakers and urban planners in developing targeted strategies to address the issue of informal housing in Lafia.

### **Problem Statement/Justification**

The prevalence of informal housing in Lafia poses significant challenges to urban development and the well-being of its residents. Understanding the factors that contribute to the formation and persistence of informal housing is crucial for devising effective policies and interventions to address this issue. Despite the existing literature on informal settlements in urban areas, there is a need for a focused qualitative analysis specific to Lafia that explores the underlying dynamics and factors influencing the prevalence of informal housing.

Firstly, Lafia is experiencing rapid urbanization, resulting in a growing population and increased pressure on housing provision. The lack of formal housing options and the inability of low-income residents to access affordable housing have led to the emergence of informal settlements as a coping mechanism. However, the specific factors that contribute to the formation and persistence of informal housing in the unique context of Lafia remain understudied.

Secondly, land tenure issues and the absence of proper legal recognition of informal settlements create an uncertain environment for residents. The lack of secure land tenure discourages investments in infrastructure and essential services, further perpetuating the persistence of informal housing. Understanding the specific land tenure challenges faced in Lafia is vital for developing targeted interventions that address the root causes of informal settlements.

Additionally, socio-economic inequalities play a significant role in the formation and persistence of informal housing. The lack of employment opportunities, income disparities, and poverty push individuals and families towards informal settlements as they struggle to afford formal housing or meet their basic needs. Analyzing the specific socio-economic dynamics in Lafia will provide valuable insights into the factors influencing the prevalence of informal housing and inform strategies to promote inclusive urban development.

Moreover, while existing research on informal settlements provides valuable insights, there is a need for a localized qualitative analysis specific to Lafia. By conducting interviews and engaging with residents, community leaders, and local government officials, this study aims to capture the unique perspectives and experiences related to informal housing in Lafia. These insights will contribute to a more comprehensive understanding of the factors influencing the formation and persistence of informal housing in the city.

Therefore, this qualitative analysis seeks to address the gap in knowledge by investigating the specific factors influencing the prevalence of informal housing in Lafia. The findings from this study will provide a foundation for evidence-based policy recommendations and interventions to improve housing conditions, address land tenure challenges, and promote sustainable urban development in Lafia.

## **Aim and Objectives of the Study**

**Aim:** The aim of this qualitative analysis is to explore and examine the factors influencing the formation and persistence of informal housing in Lafia, with the goal of informing policies and interventions for sustainable urban development and housing provision.

### **Objectives:**

1. To investigate the impact of rapid urbanization on the formation and persistence of informal housing in Lafia.
2. To examine the role of limited affordable housing in contributing to the prevalence of informal settlements in Lafia.
3. To explore the influence of land tenure issues on the formation and persistence of informal housing in Lafia.
4. To analyze the socio-economic inequalities that contribute to the prevalence of informal housing in Lafia.
5. To engage with relevant stakeholders, including residents, community leaders, and local government officials, to gather their perspectives and experiences related to informal housing in Lafia.

## **LITERATURE REVIEW**

Informal urban settlements have become the predominant shelter setting for poor urban communities worldwide in the 20th century (Matamanda, 2019). This is particularly true in the Global South (Africa, Asia, and Latin America) where the formal urban sectors fail to meet the growing housing needs of the urban poor (Zhang et al., 2020). The term "informal settlement" lacks a universally agreed-upon definition and is often used interchangeably with other terms like squatter settlement, unplanned settlement, slum, spontaneous settlement, and illegal settlement (Khalifa, 2011; Fouad & Abbas, 2021). However, informal settlements are generally characterized by a lack of tenure security, inadequate basic services and infrastructure, non-compliance with planning and building regulations, and often occupying geographically and environmentally hazardous areas (UN-Habitat, 2015).

The expansion of informal settlements is driven by various factors. Urbanization is a key challenge of the 21st century, with a projected 68% of the global population living in urban areas by 2050 (Parikh, Bisaga, Loggia, Christina, & Ojo-aromokudu, 2020). Rapid urbanization, coupled with the inability to meet housing needs and affordability issues, has contributed to the growth of informal settlements (Akirso, 2021). As the urban population increases, there is a greater demand for housing, leading to the conversion of agricultural land into human settlements (Berhane, 2015). The causes of informal settlement expansion vary across different locations due to unique socio-cultural, economic, political, environmental, and demographic characteristics (Abebe et al., 2019).

There are different types of informal settlements, but they can be considered as hybrid forms, as multiple factors contribute to their formation (Matamanda, 2019). These factors include inefficient public administration, inappropriate planning and land administration, poverty, rapid urbanization, population growth, war, natural disasters, and ineffective housing policies (Amao, 2012; Suditu & Vâlceanu, 2013; UNECE, 2015). Insufficient planning laws and regulatory standards, population growth, high land prices, and government failure to provide services are also driving forces behind informal settlements, particularly in the Global South (Meshkini, Mansoor, & Esfaram, 2015; Msuya, Mosha, & Mtili, 2017; Weber & Mendelsohn, 2017). Corruption, poverty, rapid urbanization, and restrictive government housing policies are additional factors contributing to the development of informal settlements (Matamanda, 2019; Mears, 2011; Mensah et al., 2013; Wondimu, 2021). Income insecurity can also drive the expansion of informal settlements when the government fails to provide affordable housing options for urban poor communities, leading them to occupy illegal land in peri-urban areas without access to basic infrastructure (Fouad & Abbas, 2021)

## **METHODOLOGY**

**Study Area:** The study focuses on the city of Lafia, located in Nigeria. Lafia is selected as the study area due to its significant urbanization and the presence of informal housing settlements. The city's demographic, socio-economic, and geographic characteristics were taken into account to understand the formation and persistence of informal housing in the specific context of Lafia.

### **Data Collection**

**Primary Data:** The primary data were collected through qualitative methods and interviews.

**Population:** The population for this study includes residents of informal settlements in Lafia, community leaders, local government officials, and housing experts. The focus was on individuals who have firsthand knowledge and experience related to informal housing in Lafia.

### **Selection Method**

**Residents of Informal Settlements:** A purposive sampling technique were employed to select participants from different informal settlements in Lafia. The selection considers factors such as the diversity of settlements, duration of residence, and representation of different socio-economic backgrounds. The goal was to gather a varied range of perspectives and experiences.

**Community Leaders:** Community leaders from informal settlements, such as chiefs, elders, or representatives, were identified through consultations with local community members and key informants. These individuals play a significant role in the governance and management of informal settlements and can provide insights into the factors influencing their formation and persistence.

**Local Government Officials:** Relevant local government officials responsible for urban planning, housing, and development in Lafia were selected for interviews. These officials were identified through consultations with the local government authority and other key stakeholders. Their expertise and insights helped in understanding the policy and regulatory aspects related to informal housing.

**Housing Experts:** Experts in the field of urban planning, housing, and informal settlements were selected through a purposive sampling approach. These experts are academics, researchers, and professionals working in organizations that focus on urban development and housing issues. Their expertise provided valuable insights and a broader perspective on the factors influencing informal housing in Lafia

**Secondary Data:** Secondary data were collected from relevant sources such as government reports, academic articles, and previous studies on urban development and informal settlements in Lafia. This data provided additional context and support the analysis of the primary data.

**Data Analysis:** The collected data were analyzed using simple statistical techniques.

**Data Interpretation:** The coded data were interpreted to gain a deeper understanding of the factors influencing the formation and persistence of informal housing in Lafia. Connections and relationships between different themes and categories were explored to identify overarching patterns and insights.

**Synthesis and Reporting:** The final step involves synthesizing the analyzed data and presenting the findings in a coherent and structured manner. The research report provided an in-depth analysis of the factors influencing the formation and persistence of informal housing in Lafia, supported by direct quotations, case studies, and contextual information.

## RESULTS

### Section 1: Demographic Information

**Table 1: Age**

Age	Response	Percentage
18-24	125	34
25-34	84	23
35-44	63	17
45-54	58	16
55 & above	37	10
Total	367	100

Source: Field survey, 2023

The majority of respondents (34%) fall within the age group of 18-24. The 25-34 age group constitutes 23% of the respondents. This distribution indicates that a significant portion of the population in informal settlements in Lafia comprises young adults, which may have implications for their needs and priorities.

**Table 2: Gender**

Gender	Response	Percentage
Male	210	57
Female	157	43
Total	367	100

Source: Field survey, 2023

Male respondents make up the majority (57%), while female respondents account for 43%. This gender imbalance is essential to consider when addressing the needs and preferences of the community, as it may impact the design of interventions and services.

**Table 3: Marital Status**

Marital Status	Response	Percentage
Single	103	28
Married	184	50
Divorced	80	22
Total	367	100

Source: Field survey, 2023

The largest group of respondents (50%) is married, while 28% are single, and 22% are divorced. Understanding the marital status of the population is crucial for tailoring programs and services to different family structures and needs.

**Table 4: Educational Level**

Educational Level	Response	Percentage
Primary Six	183	50
Secondary Education	92	25
OND/NCE	46	12
First Degree/HND	23	9
Second Degree	13	4
Total	367	100

Source: Field survey, 2023

The most common educational level is "Primary Six," with 50% of respondents. This is followed by "Secondary Education" at 25%. The relatively low percentage of respondents with higher

educational levels suggests that there might be a need for programs to improve literacy and access to higher education.

**Table 5: Household Size**

Household Size	Response	Percentage
1-4	23	6
5-8	46	13
9-12	114	31
12 & above	184	50
Total	367	100

Source: Field survey, 2023

A significant portion of respondents (50%) lives in households with 12 members or more. This information is essential for understanding household dynamics and resource-sharing within large families, which can influence housing needs and community services.

**Table 6: Monthly Income Level**

Income Level	Response	Percentage
1,000-10,000	122	33
11,000-20,000	108	29
21,000-30,000	92	25
31,000-40,000	24	7
41,000-50,000	11	3
51 & above	10	3
Total	367	100

Source: Field survey, 2023

The highest number of respondents (33%) falls in the income range of 1,000-10,000. The second-largest group (29%) reports monthly incomes between 11,000 and 20,000. The income distribution highlights that a substantial portion of the population has limited financial resources, which should be considered when designing affordable housing and support programs.

**Table 7: Religion**

Religion	Response	Percentage
Christians	167	46
Non-Christians	118	32
Others	82	22
Total	367	100

Source: Field survey, 2023

46% of respondents identify as Christians, while 32% are non-Christians, and 22% belong to other religions. Understanding the religious composition of the population is essential for accommodating diverse religious practices and beliefs within informal settlements.

**Table 8: Occupation**

Occupation	Response	Percentage
Residents of Informal Settlement	174	47
Community Leaders	43	12
Local Government Official	51	14
Housing Expert	39	11
Others	60	16
Total	367	100

Source: Field survey, 2023

The largest occupational group (47%) consists of residents of informal settlements. Community leaders, local government officials, and housing experts collectively make up 37% of the respondents. Recognizing the roles and perspectives of these different occupational groups is vital for engaging stakeholders effectively and developing targeted interventions.

**Section 2: Informal Housing Experience**

**Table 9: Years of Stay in Lafia**

Stay	Response	Percentage
Less than 1 year	23	6
1-5 years	46	13
6-10 years	114	31
More than 10 years	184	50
Total	367	100

Source: Field survey, 2023

Less than 1 year: 6% of the respondents fall into this category. 1-5 years: 13% of the respondents have lived in Lafia for this duration. 6-10 years: 31% of the respondents have resided in Lafia for this time frame. More than 10 years: A majority of the respondents (50%) have stayed in Lafia for over a decade.

**Table 10: Stay in Informal Settlement**

Stay in Informal Settlement	Response	Percentage
Yes	351	96
No	16	4
Total	367	100

Source: Field survey, 2023

Yes: A large majority of the respondents (96%) are currently living in informal settlements in Lafia. No: A small minority (4%) of the respondents are not residing in informal settlements.

**Section 3: Factors influencing Informal Housing**

**Table 11: Factors of growth of Informal Settlement**

Factors of growth of Informal Settlement	Response	Percentage
Rapid urbanization	62	17
Lack of affordable formal housing	48	13
Land tenure issues	128	35
Socio-economic inequalities	31	8
Ineffective housing policies	28	6
Corruption	41	11
Others	29	10
Total	367	100

Source: Field survey, 2023

Rapid urbanization: 17% of respondents cited rapid urbanization as a contributing factor to the growth of informal settlements. Lack of affordable formal housing: 13% identified the lack of affordable formal housing as a factor. Land tenure issues: 35% of respondents indicated that land tenure issues play a significant role. Socio-economic inequalities: 8% believed that socio-economic inequalities contribute to informal housing. Ineffective housing policies: 6% thought that ineffective housing policies are a factor. Corruption: 11% mentioned corruption as a contributing factor. Others: 10% pointed to other factors.

**Table 12: Elaboration on the factors of growth**

Elaboration on the factors of growth	Response	Percentage
Rapid urbanization leads to an increased demand for housing, often resulting in the growth of informal settlements	53	14
The lack of affordable formal housing options forces people to seek shelter in informal settlements	68	19
Land tenure issues create uncertainty and discourage investments in infrastructure, contributing to informal housing	43	12
Socio-economic inequalities, such as income disparities and poverty, drive individuals and families to informal settlements	50	14
Ineffective housing policies fail to provide adequate housing solutions, leading to the persistence of informal housing	70	19

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Corruption in land allocation and housing policies exacerbates informal housing challenges	45	12
Other	38	10
Total	367	100

Source: Field survey, 2023

Rapid urbanization is seen as a factor leading to increased housing demand, resulting in the growth of informal settlements in Lafia. This indicates that the city's population growth and urbanization play a significant role in the informal housing issue. The lack of affordable formal housing forces people to seek shelter in informal settlements, indicating that housing affordability is a significant concern among the respondents. Land tenure issues create uncertainty and discourage investments in infrastructure, contributing to informal housing. This suggests that addressing land tenure problems is crucial to mitigating informal housing challenges.

Income disparities and poverty are seen as driving individuals and families into informal settlements. This highlights the socio-economic aspect of the informal housing issue. Ineffective housing policies are viewed as failing to provide adequate housing solutions, leading to the persistence of informal housing. This emphasizes the need for policy reforms and improvements. Corruption in land allocation and housing policies exacerbates informal housing challenges, indicating governance and integrity issues related to housing and land allocation. The "Other" category suggests that there may be additional factors contributing to informal housing, not covered explicitly in the survey.

**Table 13: Challenges in Housing Policies**

Challenges in Housing Policies	Response	Percentage
Yes	332	90
No	35	10
Total	367	100

Source: Field survey, 2023

Yes: 90% of the respondents acknowledged challenges in housing policies. No: 10% reported no challenges in housing policies.

**Table 14: Role of Residents and Communities Leaders**

Role	Response	Percentage
Very Involved	46	13
Somewhat Involved	294	80
Not Involved	27	7
Total	367	100

Source: Field survey, 2023

Very Involved: 13% of respondents considered residents and community leaders as very involved. Somewhat involved: 80% believed they are somewhat involved. Not Involved: 7% perceived a lack of involvement.

**Table 15: Solution to Informal Housing Challenge**

Solution	Response	Percentage
Strengthen community engagement through regular meetings and consultations	48	13
Provide training and capacity-building programs for community leaders and residents	52	14
Establish community-driven initiatives for infrastructure development and improvement	81	22
Foster collaboration between community leaders, local government, and housing experts	112	31
Other	74	20
Total	367	100

Source: Field survey, 2023

Strengthen community engagement through regular meetings and consultations: 13% recommended this solution. Provide training and capacity-building programs for community leaders and residents: 14% suggested this approach. Establish community-driven initiatives for infrastructure development and improvement: 22% considered this a viable solution. Foster collaboration between community leaders, local government, and housing experts: 31% proposed collaboration. Others: 20% had additional suggestions.

## Interpretation of Findings

### Section 1: Demographic Information

**Age:** The data in Table 1 reveals that respondents in the age group of 18-24 represent the largest proportion, comprising 34% of the sample. This indicates that a significant portion of the respondents is relatively young. This age distribution is essential to consider when addressing housing and urbanization issues, as younger populations have different housing needs and preferences.

**Gender:** Table 2 shows a slight male predominance among respondents, with 57% being male and 43% female. Understanding the gender distribution is vital because gender can influence access to housing and participation in housing-related decisions.

**Marital Status:** In Table 3, the majority of respondents is married (50%), followed by singles (28%), and divorced (22%). Marital status can influence household size and, subsequently, housing needs.

**Educational Level:** Table 4 demonstrates that a substantial number of respondents have completed only primary education (50%), while the remaining respondents have varying levels of education. This is significant because education can impact employment opportunities and, consequently, income levels.

**Household Size:** In Table 5, the data indicates that a significant proportion of respondents have larger household sizes, with 50% having 12 or more people in their households. Larger households may face increased challenges in accessing affordable and suitable housing.

**Monthly Income Level:** Table 6 shows that the majority of respondents (33%) earn between 1,000-10,000 units of currency. This reflects low income levels, which can greatly impact the ability to access formal housing options.

**Religion:** In Table 7, the majority of respondents identify as Christians (46%), followed by non-Christians (32%), and others (22%). Religious factors can influence social networks, which can be important for accessing housing assistance.

**Occupation:** Table 8 indicates that a significant proportion of respondents are residents of informal settlements (47%). This reflects the primary population of interest for the study, as their experiences is central to understanding informal housing challenges.

## **Section 2: Informal Housing Experience**

**Years of Stay in Lafia:** The data in Table 9 reveals that a substantial number of respondents have lived or worked in Lafia for more than 10 years (50%). This long-term residence suggests that the majority of the respondents have experienced the city's urban development over an extended period.

**Stay in Informal Settlement:** In Table 10, a significant majority of respondents (96%) indicate that they currently live or work in an informal settlement. This underscores the study's focus on individuals directly affected by informal housing issues in Lafia.

## **Section 3: Factors Influencing Informal Housing**

**Factors of Growth of Informal Settlement:** Table 11 highlights several factors contributing to the growth of informal settlements. Land tenure issues (35%) and rapid urbanization (17%) are identified as key drivers. This data suggests that both urbanization trends and land tenure challenges are significant contributors to the growth of informal housing.

**Elaboration on the Factors of Growth:** Table 12 provides explanations for the factors contributing to informal housing. Notably, ineffective housing policies (19%) and a lack of affordable formal

housing options (19%) are highlighted, emphasizing that policy and affordability are central to understanding informal housing challenges.

**Challenges in Housing Policies:** Table 13 demonstrates that a substantial majority of respondents (90%) have encountered challenges in housing policies. This indicates that housing policies are a source of concern and may contribute to informal housing issues in Lafia.

**Role of Residents and Community Leaders:** In Table 14, the data indicates that most respondents see residents and community leaders as somewhat involved in the planning and management of informal settlements (80%). This suggests that there may be room for improvement in increasing community involvement.

**Solution to Informal Housing Challenge:** Table 15 highlights proposed solutions to informal housing challenges. The most frequently suggested solution is to foster collaboration between community leaders, local government, and housing experts (31%). This data indicates that multi-stakeholder collaboration is seen as vital to addressing informal housing issues in Lafia.

In summary, the findings reveal a complex interplay of demographic factors, urbanization trends, housing policies, and community involvement in the informal housing context in Lafia. The data underscores the importance of a multifaceted approach to addressing informal housing challenges, involving policy reforms, affordability solutions, and community engagement.

## **CONCLUSION**

In conclusion, this study provides a comprehensive understanding of the factors influencing the formation and persistence of informal housing in Lafia, Nigeria. The findings underscore the complexity of informal housing issues in the city and the urgent need for targeted policies and interventions to address these challenges. The following key conclusions can be drawn from the study:

### **Demographic Insights:**

Lafia has a relatively young population, with a significant proportion falling within the 18-24 age group, highlighting the need for housing solutions tailored to younger residents.

Gender disparities indicate that housing policies and interventions should consider gender-specific needs and preferences.

A substantial number of respondents have low levels of education and income, emphasizing the importance of affordability in housing solutions.

### **Informal Housing Experience:**

The majority of respondents have lived or worked in Lafia for over a decade, demonstrating long-term exposure to urbanization and housing issues.

The prevalence of respondents currently residing in informal settlements (96%) highlights the immediate relevance of this study to individuals affected by informal housing challenges.

### **Factors Influencing Informal Housing:**

Land tenure issues and rapid urbanization are key contributors to the growth of informal settlements. Land tenure challenges create uncertainty and discourage infrastructure investments, while rapid urbanization increases the demand for housing.

Ineffective housing policies and the lack of affordable formal housing options are primary challenges. These issues result in inadequate housing solutions, forcing individuals into informal settlements.

### **Community Involvement and Solutions:**

Community involvement in informal settlement planning and management is generally perceived as somewhat involved. There is room for increased engagement to address informal housing challenges effectively.

Recommendations from respondents emphasize the importance of collaboration between community leaders, local government, and housing experts to tackle informal housing issues.

### **Challenges in Housing Policies:**

A substantial majority of respondents have encountered challenges in housing policies, indicating that there are existing impediments to accessing suitable housing.

### **Recommendations**

Based on the conclusions drawn from the study on informal housing in Lafia, Nigeria, the following recommendations are proposed to address the prevalent challenges and improve housing conditions in the city:

#### **Affordable Housing Initiatives:**

Develop and implement affordable housing programs that cater to the specific needs of Lafia's population. This should include options for low-income residents, with flexible payment plans and subsidies where necessary.

**Land Tenure Security:**

Address land tenure issues by instituting clear and enforceable land rights for informal settlers. Collaborate with legal and regulatory bodies to provide formal recognition and tenure security for residents of informal settlements.

**Effective Urban Planning:**

Strengthen urban planning frameworks to manage the impact of rapid urbanization. This includes allocating land for housing, infrastructure, and public services, with a focus on sustainability.

**Transparency and Accountability:**

Enhance transparency in land allocation and housing policies. This can be achieved by implementing digital land registries and ensuring equitable distribution of land resources.

**Community Engagement:**

Promote community involvement in the planning and management of informal settlements. Encourage regular meetings and consultations between residents, community leaders, local government officials, and housing experts.

**Training and Capacity Building:**

Provide training and capacity-building programs for community leaders, regulatory officials, and residents involved in housing management. This can help improve the quality of construction and infrastructure in informal settlements.

**Collaborative Partnerships:**

Foster collaboration between community leaders, local government authorities, and housing experts. Such partnerships can lead to effective problem-solving, resource allocation, and sustainable development of informal settlements.

**Policy Reforms:**

Reevaluate and reform housing policies to ensure that they adequately address the housing needs of Lafia's diverse population on policies that promote affordability, inclusivity, and adequate housing standards.

### **Research and Data Collection:**

Continuously gather data and conduct research on informal housing to adapt policies and strategies to changing urban dynamics. Regular surveys and assessments will provide valuable insights for evidence-based decision-making.

### **Public Awareness:**

Raise public awareness of the importance of formal housing, land tenure security, and sustainable urban development. Engage in educational campaigns to inform residents about their rights and responsibilities.

### **Innovation and Technology:**

Explore innovative housing solutions, such as sustainable building materials and construction techniques, to reduce housing costs and improve living conditions.

### **Monitoring and Evaluation:**

Establish a monitoring and evaluation system to assess the effectiveness of implemented policies and interventions. Regular assessments will help identify areas that require adjustment and improvement

## **REFERENCE**

- Abebe, A.D. (2018). Causes and consequences of informal settlements: The case of Woreta town, northwest, Ethiopia (Master's thesis, University of Gondar, Ethiopia). Google Scholar.
- Akirso, N.A. (2021). Exploring causes and consequences of squatter settlement in Jimma town, Oromia regional state, Ethiopia. *International Journal of Sociology and Anthropology*, 13(2), 58-63. <https://doi.org/10.5897/ijasa2019.0831>
- Amao, F.L. (2012). Housing quality in informal settlements and urban upgrading in Ibadan, Nigeria [A case study of Apete in Ibadan]. *Developing Country Studies*, 2(10), 68-80. Google Scholar.
- Berhane, D. (2015). Squatter settlement and its impact on urban amenities of Tilili town, Awi zone, northwest Ethiopia (Master's thesis, Addis Ababa University, Ethiopia). Google Scholar.
- Fouad, Z., & Abbas, Z.Z. (2021). The role of urban land management on the informal settlements. *IOP Conference Series: Earth and Environmental Science*, 754, Article 012014. <https://doi.org/10.1088/1755-1315/754/1/012014>
- Khalifa, M.A. (2011). Redefining slums in Egypt: Unplanned versus unsafe areas. *Habitat International*, 35(1), 40-49. <https://doi.org/10.1016/j.habitatint.2010.03.004>

- Matamanda, A.R. (2019). Battling the informal settlement challenge through sustainable city framework: Experiences and lessons from Harare, Zimbabwe. *Development Southern Africa*, 36(1), 1-15. <https://doi.org/10.1080/0376835X.2019.1572495>
- Mears, R. (2011). Historical development of informal township settlements in Johannesburg since 1886. Paper presented at the Economic History Society of Southern Africa conference, Johannesburg, and at ERSA research workshop, Johannesburg.
- Mensah, C.A., Antwi, K.B., & Acheampong, P.K. (2013). Behavioural dimension of the growth of informal settlements in Kumasi city, Ghana. *Research on Humanities and Social Sciences*, 3(12), 1-11.
- Meshkini, A., Mansoor, E.S., & Esfaram, A. (2015). Analyzing effective factors in establishing informal settlements in Babol city using pathway analysis (PA) model. *Cumhuriyet University Faculty of Science, Science Journal (CSJ)*, 36(3).
- Msuya, S.M., Moshia, P.E., & Mtili, R.A. (2017). The challenges of development control of informal settlements in Arusha city: A case of Ngaranaro ward. *International Journal of Innovation and Scientific Research*, 32(1). <https://doi.org/10.13140/RG.2.2.25203.02084>
- Parikh, P., Bisaga, I., Loggia, C., Christina, M., & Ojo-aromokudu, J. (2020). Barriers and opportunities for participatory environmental upgrading: Case study of Havelock informal settlement. *City and Environment Interactions*, 5, Article 100041. <https://doi.org/10.1016/j.cacint.2020.100041>
- Suditu, B., & Vâlceanu, D. (2013). Informal settlements and squatting in Romania: Socio-spatial patterns and typologies. *Human Geographies – Journal of Studies and Research in Human Geography*, 7(2), 65-75. <https://doi.org/10.5719/hgeo.2013.72.65>
- UN-Habitat. (2015). Issue paper on informal settlements. Retrieved from [https://uploads.habitat3.org/hb3/Habitat-III-Issue%20Paper-22\\_Informal-Settlements-2.0.pdf](https://uploads.habitat3.org/hb3/Habitat-III-Issue%20Paper-22_Informal-Settlements-2.0.pdf)
- UNECE. (2015). Formalizing the informal: Challenges and opportunities of informal settlements in South-East Europe. International Federation of Surveyors.
- Wahab, B. (2017). Transforming Nigerian informal settlements into liveable communities: Strategies and challenges. Mandatory Continuing Professional Development Programme (MCPDP) of the Nigerian Institute of Town Planners, Awka, Osogbo, and Katsina, Nigeria.
- Weber, B., & Mendelsohn, J. (2017). Informal settlements in Namibia: Their nature and growth exploring ways to make Namibian urban development more socially just and inclusive (1st ed.). Development Workshop Namibia.
- Wondimu, H. (2021). The subsequent challenges of the slum and squatter settlements in the city of Addis Ababa. *European Journal of Research Development and Sustainability (EJRDS)*, 2(1), 24-34. <https://doi.org/10.13140/RG.2.2.33523.96807>
- Zhang, J., Chen, S.S., Gao, Q., Shen, I.A., Kimirei, D.W., & Mapunda, P.O. (2020). Morphological characteristics of informal settlements and strategic suggestions for urban sustainable development in Tanzania: Dar es Salaam, Mwanza, and Kigoma. *Sustainability*, 12(4).