

# Factors Affecting Primary School Population And The Influence Of Socialization Agents

Ann Ngozi Ugobueze

Department of primary education, Nwafor Orizu College of Education Nsugbe, Anambra state, Nigeria.

\*Corresponding Author:

Email. [ngoziann609@gmail.com](mailto:ngoziann609@gmail.com)

---

## **Abstract.**

*The primary aim of the present study is to understand how demographic, economic, cultural, policy, and environmental factors influence primary school populations, and how various socialization agents, including families, peers, media, schools, and government institutions, contribute to shaping children's educational experiences. The study identifies key demographic trends such as birth rates, migration, and urbanization, as well as economic challenges like poverty and disparities in access to educational resources, that directly affect school enrollment patterns. Cultural attitudes toward education, gender roles, and government interventions, particularly in terms of policy and funding, further influence these dynamics. Additionally, health crises and access to sanitation are recognized as critical environmental factors impacting primary school populations. The study also looked into the role of socialization agents in influencing children's educational decisions and retention. Families, particularly parents' educational background and socioeconomic status, play a significant role in shaping children's educational trajectories. Peer influence, media representations of schooling, and the school environment itself are all important socialization forces that impact children's school choices, attitudes toward education, and retention. Moreover, community involvement and advocacy by local and national organizations are essential for fostering educational equity and inclusion. The study discusses the interplay between these socialization agents and how they contribute to school enrollment, retention, and overall educational equity. Despite the positive impact of these collaborations, several challenges persist, including socioeconomic disparities, cultural barriers, and institutional constraints. Finally, the paper offers policy recommendations aimed at improving primary school enrollment, strengthening the role of socialization agents, and promoting greater inclusivity and equity in primary education. This research pointed out the need for a collaborative approach to education that involves families, communities, schools, and policymakers in creating an equitable and accessible primary education system for all children.*

**Keywords:** Primary school population, socialization agents, educational equity, school enrollment, socioeconomic factors and community collaboration.

---

## **I. INTRODUCTION**

Understanding the dynamics of primary school populations and the role of socialization agents is essential for addressing challenges in educational access, retention, and equity. Primary school enrollment and attendance are influenced by a multitude of factors, which can be categorized as demographic, economic, cultural, policy-driven, and environmental. Additionally, socialization agents such as family, peers, media, schools, and community organizations play a significant role in shaping children's attitudes toward education and their school choices. Primary school population dynamics are shaped by various external and internal factors. Demographically, birth rates and population growth rates directly influence the number of children eligible for primary school (Abel et al, 2016). In Nigeria, for instance, population growth has been linked to increasing demand for primary education. However, migration, particularly rural-to-urban movement, also plays a role in shifting school population trends (O'Sullivan, 2020). Urbanization tends to concentrate resources in cities, but it can also exacerbate disparities in educational access, as rural areas may experience higher dropout rates due to inadequate infrastructure. Economic factors, such as poverty and economic inequality, are significant determinants of primary school enrollment and retention. In Nigeria, a considerable proportion of the population lives below the poverty line, which directly affects a child's ability to attend school regularly or at all (Lutz et al, 2019). Poverty limits families' ability to purchase school supplies, uniforms, and pay for other associated costs, while also increasing child labor, especially in rural areas.

Furthermore, the availability of educational resources, including qualified teachers, classrooms, and teaching materials, remains a challenge in many Nigerian schools, particularly in underserved regions (Chen, 2020). Culturally, attitudes toward education, particularly gender roles, also affect primary school enrollment. In some Nigerian communities, girls are less likely to attend school due to traditional beliefs about their roles in the home and marriage (Moussa & Omoeva, 2020). These cultural factors are compounded by social norms that view education as more critical for boys than girls, leading to significant gender disparities in school attendance. Socialization agents, including the family, peers, media, schools, and community organizations, have a profound influence on children's educational outcomes. The family is the first and most influential socialization agent. Parental education levels and household income are strongly correlated with children's educational success (Chen et al, 2020). Parents who are more educated are likely to place higher value on schooling and are better equipped to support their children's learning. In contrast, families with lower socioeconomic status often face difficulties in supporting their children's education, particularly in providing academic materials and a conducive learning environment at home (Ekeh & Venketsamy, 2021). Peers also play a significant role in shaping children's educational choices. Peer groups often influence children's attitudes toward school, especially as they enter adolescence (Erikotola & Atoba, 2023). Positive peer influences can encourage academic success, while negative peer pressure may contribute to early school leaving.

In some Nigerian schools, social networks formed among students can impact decisions about school attendance and performance, particularly in environments where peer groups heavily influence social behavior (Anazia, 2021). The media, particularly television and social media, also plays a crucial role in shaping perceptions of education. Media representations of schooling, especially in advertisements or popular culture, can either reinforce or challenge societal views about the value of education. In Nigeria, media campaigns promoting the benefits of education, particularly for girls, have shown promise in changing societal attitudes toward education (Adeyanju et al, 2020). Moreover, the government and community organizations provide support structures that can significantly impact educational outcomes. Government policies that promote free and compulsory education, as well as community-based interventions, are instrumental in enhancing educational access for marginalized populations (Olarinde et al, 2020). Socialization, therefore, is not only about transmitting cultural values but also shaping the broader educational environment. Collaboration between schools and community-based organizations, as well as family involvement, has been shown to increase school retention rates and improve overall educational outcomes (Nwoke et al, 2024). In Nigeria, community outreach programs aimed at increasing awareness of the importance of primary education have been effective in encouraging school enrollment, particularly in rural and underserved areas.

## **2. Factors Affecting Primary School Population**

Understanding the dynamics influencing primary school populations is critical for effective planning and implementation of educational strategies. Various factors shape the enrollment, retention, and progression of pupils in primary schools. These include demographic, economic, cultural and social, policy and government intervention, and health and environmental factors.

### **2.1 Demographic Factors:**

**Birth Rates and Population Growth** The growth in population directly correlates with the demand for primary education. High birth rates increase the number of school-age children, often leading to overpopulated schools and strained resources (Oluwatayo et al, 2024). In rural Nigerian communities, where family sizes tend to be larger, schools frequently experience higher enrollment pressures (Olaseni, 2024). **Migration and Urbanization** Migration and urbanization significantly influence primary school populations. Rural-to-urban migration leads to higher enrollment in urban schools, creating overcrowded classrooms and resource shortages. Conversely, rural schools experience declining populations due to migration. The influx of internally displaced persons (IDPs) in regions affected by conflict has further impacted school population distributions (Izuakor, 2022).

## 2.2 Economic Factors

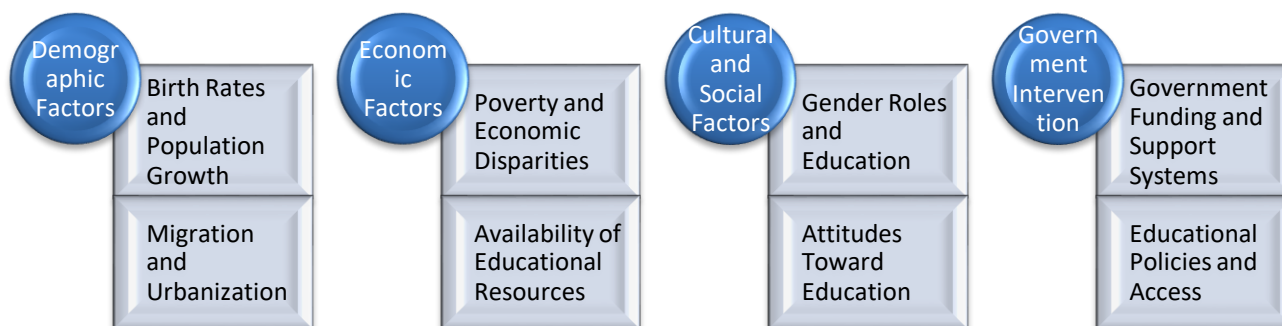
**Poverty and Economic Disparities** Economic instability is a significant determinant of school enrollment. Families living in poverty often prioritize subsistence over education, leading to lower enrollment rates in economically disadvantaged areas (Omisakin et al, 2021). Children from low-income households are more likely to drop out of school due to the inability to afford fees, uniforms, or learning materials. **Availability of Educational Resources** The availability of educational infrastructure, such as classrooms, textbooks, and qualified teachers, impacts school population. Wealthier regions and urban centers tend to have better-resourced schools, attracting higher enrollment compared to poorly resourced rural areas (Akanbi et al, 2021). This disparity exacerbates educational inequality, particularly in marginalized communities.

## 2.3 Cultural and Social Factors

**Attitudes Toward Education** Cultural perceptions significantly influence primary school populations. In some communities, education is undervalued, especially for girls, leading to low enrollment rates (Torgbenu et al, (2021). Traditional practices and beliefs about early marriage or child labor further hinder educational participation. **Gender Roles and Education** Gender disparities in education remain a pressing issue. In patriarchal societies, boys are often prioritized over girls for schooling, especially in regions with limited resources (Azeez et al, 2024). Efforts to promote gender equality in education, such as sensitization campaigns, have shown some success, but deep-seated cultural norms continue to limit progress.

## 2.4 Policy and Government Intervention

**Educational Policies and Access** Government policies play a crucial role in determining school populations. Policies such as the Universal Basic Education (UBE) program aim to ensure free and compulsory education for all children, significantly increasing enrollment rates (Nwoke et al, 2024). However, implementation challenges, including inadequate funding and corruption, often undermine these efforts (Sanni et al, 2021). **Government Funding and Support Systems** Adequate funding for schools is essential for maintaining and increasing student populations. Schools in regions with robust government support tend to have higher enrollment rates, as they can provide free or subsidized education, meals, and learning materials. Conversely, poorly funded schools struggle to attract and retain students.



**Fig 1.** Factors Affecting Primary School Population

## 2.5 Health and Environmental Factors

**Impact of Health Crises (e.g., Pandemics)** Health crises, such as the COVID-19 pandemic, have significantly affected primary school populations. During the pandemic, prolonged school closures and economic hardships led to increased dropout rates, especially among vulnerable groups (Pona et al, 2021). The lack of access to remote learning further widened educational gaps. **Access to Clean Water and Sanitation** Access to basic amenities such as clean water and sanitation facilities directly impacts school attendance. Schools lacking these resources often see lower enrollment and higher absenteeism, particularly among girls. Efforts to improve school hygiene and sanitation have shown positive effects on enrollment and retention rates (Otekunrin, 2022).

### **3. The Role of Socialization Agents in Primary School Enrollment**

#### **3.1 The Family as a Primary Socialization Agent**

Families play a pivotal role in shaping children's educational pathways, serving as the foundation for social and educational development. Parental education levels directly influence children's aspirations and perceptions of education. Parents with higher educational attainment are more likely to emphasize the importance of schooling, provide academic support, and foster environments conducive to learning (Chineyemba, 2023). Additionally, parental aspirations often dictate the level of investment in education, with educated parents prioritizing enrollment and retention. On the other hand, household income remains a significant determinant of access to primary education. Low-income families may face challenges in affording tuition, uniforms, and learning materials, contributing to lower enrollment rates (Seff et al, 2023). Economic constraints often lead to children dropping out to support family livelihoods, perpetuating cycles of poverty and educational deprivation. Thus, the interplay between parental education, aspirations, and economic stability pointed out the critical role families play in primary school enrollment.

#### **3.2 Peer Influence and Social Networks**

Peer influence and social networks significantly affect primary school enrollment by shaping children's attitudes toward education. Peer groups often serve as informal socialization agents, reinforcing collective norms and influencing decisions about school attendance. When children interact with peers who prioritize education, they are more likely to adopt similar attitudes and behaviors (Torgbenu et al, 2021). Conversely, peer groups that undervalue education can lead to absenteeism and reduced motivation. Social pressure within communities also plays a role, with collective norms dictating acceptable behaviors regarding schooling. For instance, in some Nigerian communities, peer influence has been observed to impact gender-specific educational participation, where boys are encouraged to attend school while girls face societal expectations to focus on domestic responsibilities (Akanbi et al, 2021). These dynamics highlight the dual potential of peer networks to either support or hinder primary school enrollment, emphasizing the need for interventions that promote positive peer influence.

#### **3.3 The Media and Its Impact on Education**

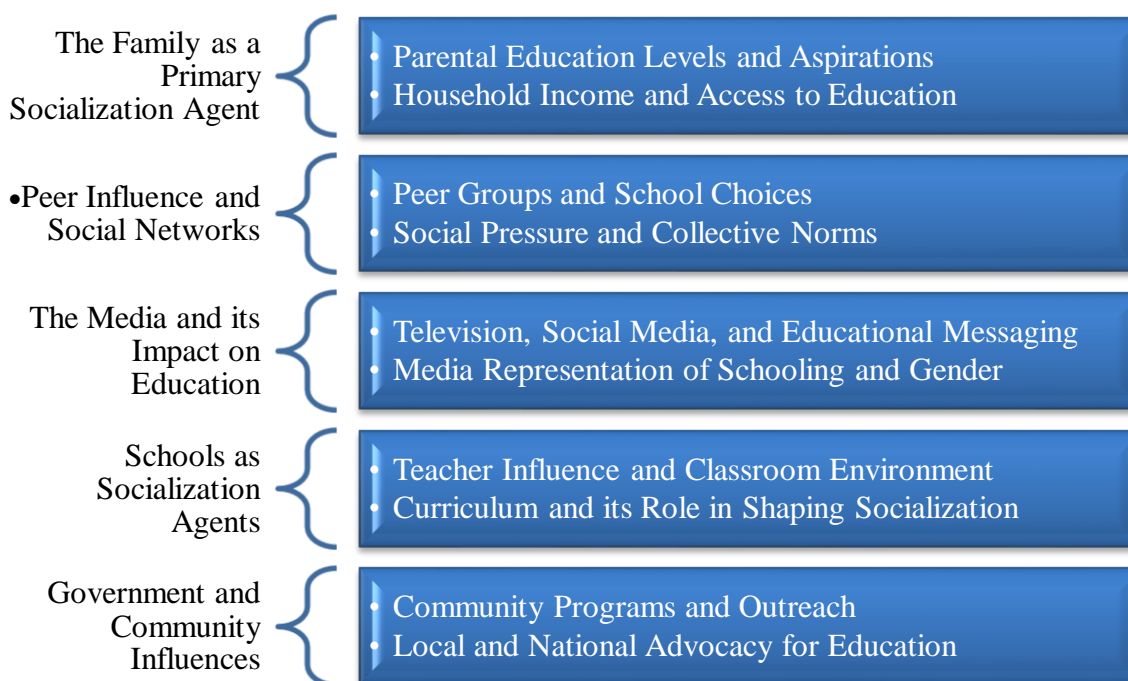
The media, both traditional and digital, is a powerful socialization agent that shapes perceptions of education and influences enrollment decisions. Television programs, social media platforms, and other forms of media often disseminate educational messaging that pointed out the value of schooling. Campaigns promoting literacy and awareness about the importance of education have proven effective in increasing enrollment rates, especially in underserved areas (Omisakin et al, 2021). However, the media's representation of schooling can also perpetuate stereotypes, particularly regarding gender roles. For example, media portrayals that depict boys as better suited for academic pursuits than girls can discourage female enrollment (Izuakor, 2022). Furthermore, social media platforms have become influential spaces where young learners and parents access information about educational opportunities. The strategic use of media to promote equitable education access can significantly enhance enrollment rates, but it requires careful consideration of the messages being conveyed.

#### **3.4 Schools as Socialization Agents**

Schools themselves are critical socialization agents that directly impact enrollment and retention. Teachers, as primary influencers within the school environment, play a crucial role in shaping students' attitudes toward learning. A supportive and engaging classroom environment fosters a sense of belonging and encourages consistent attendance (Olaseni, 2024). Moreover, the curriculum serves as a tool for socialization by introducing children to societal norms, values, and knowledge. A well-designed curriculum that is culturally relevant and inclusive can attract more students to enroll and remain in school (Oluwatayo et al, 2024). However, disparities in teacher quality and curriculum implementation across Nigerian schools often result in unequal educational opportunities. Schools that prioritize teacher training and curriculum development are better positioned to serve as effective socialization agents, thereby promoting higher enrollment rates.

### 3.5 Government and Community Influences

Government and community interventions are indispensable in addressing barriers to primary school enrollment. Educational policies aimed at improving access, such as the Universal Basic Education (UBE) program, have made significant strides in increasing enrollment rates (Nwoke et al, 2024). However, the effectiveness of such policies often depends on adequate funding and implementation. Insufficient government support can undermine the provision of essential resources, such as classrooms, teaching materials, and qualified staff (Olarinde et al, 2020). Community-based initiatives, including outreach programs and local advocacy, also play a vital role. These programs often bridge gaps in government efforts by mobilizing resources and creating awareness about the importance of education (Adeyanju et al, 2020). Additionally, collaborations between government and community stakeholders can enhance the sustainability of interventions, ensuring that all children have access to quality education. The integration of local and national efforts is crucial for addressing the multifaceted challenges of primary school enrollment.



**Fig 2.** The Role of Socialization Agents in Primary School Enrollment

## 4. Interplay Between Socialization Agents and Primary School Enrollment

### 4.1 Family and Community Collaboration

The collaboration between families and communities significantly impacts primary school enrollment by fostering an enabling environment for education. Families provide the foundational support for children's education, shaping their aspirations and attitudes. Parental involvement in school activities, such as parent-teacher associations, enhances accountability and improves school management (Anazia, 2021). Meanwhile, community initiatives often fill gaps left by government efforts, mobilizing resources to ensure equitable access to education. For instance, in some Nigerian communities, local advocacy has resulted in the construction of classrooms and the provision of learning materials (Erikotola & Atoba, 2023). Such synergies between families and communities strengthen the social fabric, creating a collective responsibility for children's educational success. This collaboration also extends to addressing cultural and socio-economic barriers, such as early marriage or child labor, which disproportionately affect school enrollment (Ekeh & Venketsamy, 2021).

### 4.2 Impact of Socialization on School Retention Rates

Socialization plays a critical role in not only enrolling children in primary schools but also ensuring they remain in school. The influence of family, peers, and schools shapes students' commitment to education. Families that value education and provide consistent encouragement are more likely to see their children complete primary education (Chen et al, 2020). Similarly, positive peer influence fosters a sense of

belonging and motivation, reducing dropout rates. Schools contribute by creating supportive environments through well-trained teachers and inclusive curricula that cater to diverse student needs (Moussa & Omoeva, 2020). However, challenges such as economic instability and inadequate school facilities can lead to attrition. Community-led interventions, such as mentoring programs and after-school activities, have proven effective in keeping children engaged (O'Sullivan, 2020). These efforts demonstrate that socialization agents must focus not only on initial enrollment but also on sustaining students' educational journeys through consistent support and engagement.

#### **4.3 Socialization as a Driver for Educational Equity**

Socialization is a powerful tool for promoting educational equity by addressing disparities in access and outcomes. Families and communities play a pivotal role in advocating for marginalized groups, such as girls and children with disabilities, to ensure their inclusion in primary education. Media campaigns that challenge stereotypes and promote the value of education for all have significantly contributed to shifting societal norms (Abel et al, 2016). Schools, as socialization agents, further promote equity by implementing policies that accommodate diverse learning needs and provide equal opportunities for all students. For instance, government programs like the Universal Basic Education (UBE) scheme have been instrumental in reducing gender gaps in enrollment (Azeez et al, 2024). Additionally, community-based organizations often bridge inequities by providing scholarships and other forms of financial assistance to disadvantaged families.

### **5. Challenges and Barriers to Education**

#### **5.1 Socioeconomic Barriers**

Socioeconomic barriers remain one of the most significant challenges to achieving universal education. Poverty and income inequality limit families' ability to afford school fees, uniforms, and learning materials, leading to lower enrollment rates, especially in rural areas. According to Nwoke et al, (2024), children from economically disadvantaged backgrounds are more likely to drop out of school or never enroll at all. Similarly, Sanni et al, (2021) argue that financial constraints often push children into child labor, further compromising their education. Additionally, limited government funding for education exacerbates disparities, leaving schools under-resourced and unable to cater to the needs of marginalized populations. These barriers disproportionately affect girls and children with disabilities, who face additional costs related to accessibility and safety.

#### **5.2 Cultural and Traditional Barriers**

Cultural and traditional practices significantly influence educational access and retention in Nigeria. In many communities, early marriage and gender roles prioritize domestic responsibilities over schooling for girls. Pona et al, (2021) highlight how societal expectations often discourage girls from pursuing formal education, particularly in conservative regions. Traditional beliefs about the irrelevance of education for certain occupations also deter parents from enrolling their children in school (Otekunrin, 2022). Furthermore, cultural stigmatization of children with disabilities limits their access to inclusive education, as many schools lack the resources and awareness to accommodate them. Overcoming these barriers requires advocacy and community-based interventions that challenge discriminatory practices while promoting the value of education for all.

#### **5.3 Political and Institutional Barriers**

Political instability and weak institutional frameworks hinder progress in achieving educational goals. Corruption in the allocation of educational resources often results in poorly equipped schools and unpaid teacher salaries, diminishing the quality of education (Chineyemba, 2023). Additionally, inconsistent policy implementation and inadequate monitoring systems create gaps in educational access and delivery. Seff et al, (2023) notes that while initiatives such as the Universal Basic Education program have made strides in increasing enrollment, bureaucratic inefficiencies and lack of continuity undermine their effectiveness. Political instability in conflict-prone areas further disrupts schooling, as children are displaced or forced to prioritize safety over education. Addressing these challenges requires transparent governance, consistent policy enforcement, and increased investment in education.

### **5.4 Overcoming Educational Gaps**

Overcoming educational gaps necessitates a multi-faceted approach involving government, communities, and international organizations. Strengthening policies that prioritize free and compulsory education can alleviate financial barriers, while targeted programs for marginalized groups can address inequities in access. According to Lutz et al, (2019), community-driven initiatives that involve parents, local leaders, and educators are essential in fostering inclusive educational practices. Providing incentives such as scholarships, school feeding programs, and transportation can encourage enrollment and retention, particularly for vulnerable populations. Additionally, leveraging technology to deliver quality education in remote areas can bridge the gap for children in underserved regions. Collaborative efforts that integrate cultural sensitivity, equity, and innovation are key to achieving sustainable educational outcomes.

## **II. RECOMMENDATIONS**

To improve primary school enrollment, policymakers should prioritize the implementation of inclusive and equitable education policies. This includes increasing budget allocations for the education sector to enhance infrastructure, recruit qualified teachers, and provide free or subsidized tuition for disadvantaged groups. Universal Basic Education programs should be strengthened, with robust monitoring mechanisms to ensure accountability and transparency. Policies must also address regional disparities by allocating resources to underserved rural and conflict-prone areas. Collaboration between government, private sectors, and non-governmental organizations is essential to create community-driven solutions to enrollment challenges. The role of socialization agents such as families, peers, media, and schools must be reinforced to promote primary school enrollment. Families should be empowered through awareness campaigns that highlight the benefits of education and the long-term impact on economic mobility.

Social networks and peer influence can be leveraged by establishing mentorship programs and peer learning groups to create a supportive environment for students. Media campaigns that promote educational messages and counter gender stereotypes are crucial in shaping public perceptions about education. Schools must foster inclusive environments by employing culturally responsive teaching methods and ensuring that curricula address local and global learning needs. Promoting inclusivity and equity in primary education requires targeted interventions to address the barriers faced by marginalized groups. Efforts should focus on eliminating gender-based disparities by providing scholarships for girls and creating safe learning environments that discourage harassment and discrimination. Initiatives such as school feeding programs and provision of learning materials can reduce the financial burden on low-income families. Communities must be actively involved in advocacy efforts to support school enrollment, retention, and completion for all children. Additionally, integrating health and nutrition programs with education can mitigate the effects of malnutrition and illness on learning outcomes.

## **III. CONCLUSION**

The interplay between various factors affecting primary school population and the influence of socialization agents pointed out the multifaceted nature of education in Nigeria. Demographic dynamics, economic challenges, and cultural attitudes are deeply intertwined with the ability of children to access and remain in school. Simultaneously, socialization agents such as families, peers, media, schools, and government entities play pivotal roles in shaping enrollment patterns and retention rates. Addressing these challenges necessitates a comprehensive approach that combines policy interventions, community engagement, and resource mobilization. Recommendations provided herein highlight the need for proactive measures to eliminate barriers to education and leverage socialization agents as drivers of change. Nigeria can lay a robust foundation for universal primary education by prioritizing inclusivity, equity, and collaboration among stakeholders. Such efforts are essential not only for individual empowerment but also for the broader socio-economic development of the nation.

**REFERENCES**

- [1] Abel, G. J., Barakat, B., Kc, S., & Lutz, W. (2016). Meeting the Sustainable Development Goals leads to lower world population growth. *Proceedings of the National Academy of Sciences*, 113(50), 14294-14299.
- [2] Adeyanju, S., Mogaji, E., Olusola, J. A., & Oyinlola, M. A. (2020). Factors influencing students' choice of a federal university: a case study of a Nigerian federal university. *Higher Education Marketing in Africa: Explorations into Student Choice*, 135-163.
- [3] Akanbi, M. A., Ope, B. W., Adeloye, D. O., Amoo, E. O., Iruonagbe, T. C., & Omojola, O. (2021). Influence of socio-economic factors on prevalence of teenage pregnancy in Nigeria. *African Journal of Reproductive Health*, 25(5s), 138-146.
- [4] Anazia, I. U. (2021). Closing the school attendance gap in rural communities in Nigeria: School leadership and multi-actor approach in community engagement. *International Modern Perspectives on Academia and Community Today (IMPACT)*, (1).
- [5] Azeez, F.A., Osiesi, M.P., Aribamikan, C.G., Doh Nubia, W., Odinko, M.N., Blignaut, S., Falebita, O.S., Olubodun, O.A. and Oderinwale, T.A., 2024. Exclusion of the female child from primary education: exploring the perceptions and experiences of female learners in northern Nigeria. *Education 3-13*, pp.1-20.
- [6] Chen, S. (2020). Parental investment after the birth of a sibling: the effect of family size in low-fertility China. *Demography*, 57(6), 2085-2111.
- [7] Chen, Y., Guo, F., Wang, J., Cai, W., Wang, C., & Wang, K. (2020). Provincial and gridded population projection for China under shared socioeconomic pathways from 2010 to 2100. *Scientific Data*, 7(1), 83.
- [8] Chineyemba, L. I. (2023). Modernity and changing family values in Nigeria: Implications for effective parenting. *International Journal of Modern Anthropology*, 2(19), 1129-1152.
- [9] Ekeh, M. C., & Venketsamy, R. (2021). Ensuring child-friendly learning environments in Nigerian Early Childhood Centers. *The education systems of Africa*, 677-703.
- [10] Erikitola, J. O., & Atoba, B. O. (2023, May). Roles of Parental Involvement in Promoting Girl Child Education in Nigeria. In *Lead City University Postgraduate Multidisciplinary Conference Proceedings* (Vol. 1, No. 1, pp. 397-408).
- [11] Izuakor, C. F. (2022). Trends in forced displacement due to conflict from 2009 to 2021: A decade forecast for effective humanitarian emergency response system in Nigeria. *Frontiers in Human Dynamics*, 4, 1009651.
- [12] Lutz, W., Crespo Cuaresma, J., Kebede, E., Prskawetz, A., Sanderson, W. C., & Striessnig, E. (2019). Education rather than age structure brings demographic dividend. *Proceedings of the National Academy of Sciences*, 116(26), 12798-12803.
- [13] Moussa, W., & Omoeva, C. (2020). The long-term effects of universal primary education: Evidence from Ethiopia, Malawi, and Uganda. *Comparative Education Review*, 64(2), 179-206.
- [14] Nwoke, C., Oyiga, S., & Cochrane, L. (2024). Assessing the phenomenon of out-of-school children in Nigeria: Issues, gaps and recommendations. *Review of Education*, 12(3), e70011.
- [15] Olarinde, L. O., Abass, A. B., Abdoulaye, T., Adepoju, A. A., Adio, M. O., Fanifosi, E. G., & Wasiu, A. (2020). The influence of social networking on food security status of cassava farming households in Nigeria. *Sustainability*, 12(13), 5420.
- [16] Olaseni, V. M. (2024). Enrolment of students in Nigerian tertiary institutions: A reflective impact of the slogan 'who school help'. *Interdisciplinary Journal of Education Research*, 6, 1-17.
- [17] Oluwatayo, I. B., Ojo, A. O., Isah, S. I., & Odeleye, A. T. (2024). Determinants of Learning Outcome in the Nigerian Primary Schools. *Journal of Education*, 204(3), 595-607.
- [18] Omisakin, O., Erumebor, W., Iyoha, F., Adekunle, W., Olofin, S., Taiwo, S., Vincent, O. and Oluwaserantimi, O., 2021. Review of the Nigerian Economy in 2020 and Key Priorities for 2021 and Beyond. *Economic and Policy Review*, 19(1).
- [19] O'Sullivan, J. N. (2020). The social and environmental influences of population growth rate and demographic pressure deserve greater attention in ecological economics. *Ecological Economics*, 172, 106648.
- [20] Otekunrin, O. A. (2022). Investigating food insecurity, health and environment-related factors, and agricultural commercialization in Southwestern Nigeria: evidence from smallholder farming households. *Environmental Science and Pollution Research*, 29(34), 51469-51488.
- [21] Pona, H. T., Xiaoli, D., Ayantobo, O. O., & Tetteh, N. D. (2021). Environmental health situation in Nigeria: current status and future needs. *Heliyon*, 7(3).
- [22] Sanni, U. A., Offiong, U. M., Anigilaje, E. A., Airede, K. I., & Imam, A. (2021). A pre-COVID-19 assessment of aspects of the school health programme in some selected Nigerian primary schools: implications for school re-opening during the COVID-19 pandemic in developing country contexts. *BMC public health*, 21(1), 1214.



- [23] Seff, I., Steven, S., Gillespie, A., Brumbaum, H., Kluender, H., Puls, C., Koris, A., Akika, V., Deitch, J. and Stark, L., 2023. A family-focused, sibling-synchronous intervention in borno state, nigeria: Exploring the impact on family functioning and household gender roles. *Journal of family violence*, 38(3), pp.419-431.
- [24] Torgbenu, E. L., Oginni, O. S., Opoku, M. P., Nketsia, W., & Agyei-Okyere, E. (2021). Inclusive education in Nigeria: exploring parental attitude, knowledge and perceived social norms influencing implementation. *International Journal of Inclusive Education*, 25(3), 377-393.