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### KNOWLEDGE AND PERCEPTION OF CAREGIVERS TOWARDS ELDERLY CARE IN FAMILY SETTINGS IN OYO STATE LOCAL GOVERNMENTS AREA

Adenike Koseganlola Kadri<sup>1</sup>, Modupeola Olayinka Oyesiji<sup>2</sup>

Department of Nursing Sciences, Lead City University, Ibadan, Oyo State <a href="mailto:kadri.adenike@lcu.edu.ng">kadri.adenike@lcu.edu.ng</a>, coma6238@yahoo.com<sup>2</sup>

Corresponding Author<sup>2</sup>: coma6238@yahoo.com

#### ABSTRACT

Elderly care remains a global public health challenge. While previous studies have emphasized the burden of caregiving, limited attention has been given to caregivers' knowledge and perception of home-based elderly care. This study assessed caregivers' knowledge and perception of Elderly Care in Family Settings (ECIFS) in Lagelu and Ibadan North East Local Government Areas of Oyo State, Nigeria. The Theory of Planned Behaviour guided the study, which adopted a descriptive cross-sectional design. A multistage sampling technique was used to select 303 respondent Data were collected using a validated, structured questionnaire and analyzed with descriptive statistics, Pearson chi-square, and mean scores. Results showed that the mean age of respondents was  $36.8 \pm 11.3$  years. More than half of the respondents had good knowledge (173; 57.7%) and good perception (175; 58.3%) of ECIFS. A significant association was found between knowledge and perception (p = 0.002; df = 2,  $\chi^2$  = 12.55). Sociodemographic variables including age (p = 0.015), educational qualification (p = 0.035), marital status (p = 0.025), and residence (p = 0.013) were significantly associated with perception, whereas gender and occupation were not. Conversely, none of the socio-demographic characteristics showed a significant association with knowledge. Overall, findings indicate that while many caregivers demonstrated good knowledge and perception of ECIFS, gaps remain that could affect the quality of elderly care. The study recommends the establishment of communitybased elderly care centers to provide caregiver training and temporary relief services to strengthen family-based elderly care in the study areas.

Keywords: Elderly care, Family settings, Knowledge, Perception

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### Introduction

Elderly (People aged 60 years and above who require assistance with daily living activities and may experience age-related health conditions necessitating the support of care givers) care is a global practice, with developed countries relying on formal social support systems, while in sub-Saharan Africa, it predominantly depends on family members such as spouses, children, and grandchildren. Caregiving provides individualized support but often comes with physical, emotional, and financial burdens. As health needs increase with age, older adults face higher risks of disability and dependency due to lifelong illness and injury, making caregiving more challenging WHO, 2017 Sengupta et al., 2023). Family caregivers not only assist with daily tasks but also provide emotional and financial support while safeguarding against elder abuse and neglect (Oppong, 2006; Zimmer & Dayton, 2005).

Caregivers are responsible for assisting dependent individuals with daily activities, health needs, and overall support. Family caregivers, usually unpaid relatives or friends, play a vital role in enabling older adults to maintain independence and remain in their preferred living settings (Schulz, Eden, & National Academies, 2016). Caregivers usually paid relatives or or friends play a vital and growing role in helping older adults maintain independence and remain in their preferred living settings. Recent research shows that despite this importance, many family caregivers are underserved: they often lack knowledge (e.g. about dementia, comorbidity management, medication, fall prevention), skills (e.g. behavioral management, wound care, monitoring) and sufficient support from health systems. These deficits are associated with high physical financial strain, especially in middle-income emotional, and lowand countries.(Nguyen et al (2023); Onwumelu et al (2024); atakere et al (2025)

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Knowledge of elderly care involves caregivers' awareness of the physical, emotional, and social

needs of older adults, including nutrition, hygiene, mobility, companionship, and community

engagement. Adequate knowledge is essential for delivering quality care, supporting healthy

aging, and improving the well-being and quality of life of the elderly (Fulmer et al., 2021).

Perception of elderly care refers to caregivers' subjective understanding of the needs of older

adults, shaped by personal experiences, cultural beliefs, and societal values. Positive perceptions

encourage compassionate, person-centered care, while negative perceptions may frame

caregiving as a burden. These perceptions strongly influence the quality of care provided,

making it important to assess and address them in order to improve caregiving practices (From et

al., 2013; Lindeza et al., 2020).

While caregivers provide essential support, they may hold negative or ambivalent perceptions

toward elderly relatives, particularly those with chronic illness or dependency (Clark et al.,

2014). Care often relies on cultural expectations or personal experiences, which may not meet

the complex needs of older adults. Many elderly individuals face neglect due to caregiver

burden, limited caregiving knowledge, and widespread poverty, which reduces their ability to

afford necessary food and medications.

In sub-Saharan Africa, caregiving for the elderly is considered a moral and familial duty, yet

many family caregivers lack adequate knowledge of the complex needs of aging individuals,

such as mobility, nutrition, and psychological support Agyemang, 2021). Older adults often fail

to express their needs due to fear of burdening relatives or being misunderstood. In Nigeria,

particularly in areas like Lagelu and Ibadan North East of Oyo State, caregiving largely falls on

spouses, children, or grandchildren who provide various forms of support without formal

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training. This knowledge gap can unintentionally harm both the elderly and the caregivers

(WHO, 2017)

Despite the increasing population of elderly person in Nigeria- currently estimated at about 5%

of the national population and projected to rise to over 10% by 2050 (UN, 2022)- elderly care

within family settings remains largely informal and independent on the knowledge and attitude

of caregivers. Evidence from Oyo State shows that over 70% of family caregivers lack formal

training in elderly care (BMC Geriatrics, 2024). Many caregivers therefore struggle with

understanding the physical, psychological, and social needs of the aged, which often results in

neglect, inappropriate care practices, or undue burden of family members. The problem is

further compounded by prevailing cultural perceptions of ageing- where older adults are often

regarded as less productive or overly dependents- shaping the quality of care provided regardless

of the caregivers willingness or resources. Although knowledge is expected to influence positive

perceptions and better caregiving practices, a recent study revealed that more than 60% of family

caregivers in Southwest Nigeria demonstrated inadequate knowledge of elderly care (Journal of

Aging Research & Healthcare, 2023). This gap raises concerns about the adequacy and quality

of care being given to the elderly in Ibadan, Oyo State, thus necessitating an investigation into

the relationship between caregiver knowledge and perception of elderly care.

**Objectives of the Study** 

i. To find out the level of knowledge (Good or Poor) of caregivers towards elderly care in

family settings in selected Local Government area of Ibadan, Oyo State

ii. To examine the perception of caregivers towards Elderly Care in Family Settings in

Selected Local Government Areas of Ibadan, Oyo State

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iii. Examine the association between soci-demographic characteristics and knowledge of

caregivers towards elderly care in family settings in Selected Local Government Areas of

Ibadan, Oyo State

iv. Examine the association between socio-demographic characteristics and perception of

caregivers towards elderly care in family settings in Selected Local Government Areas of

Ibadan, Oyo State

Research Questions

1. What is the level of knowledge (Positive or Negative) of caregivers towards Elderly Care

in Family Settings in Selected Local Government Areas of Ibadan, Oyo State?

2. What is the perception of caregiver towards Elderly Care in Family Settings in Selected

Local Government Areas of Ibadan, Oyo State?

**Hypothesis** 

H<sub>0</sub>1: Knowledge will not have significant influence on the perception of caregivers towards

Elderly Care in Family Settings in Selected Local Government Areas of Ibadan, Oyo State

H<sub>0</sub>2: Socio-Demographic Characteristics will not have influence on the knowledge of caregivers

on elderly care in family settings in selected Local Government Area in Ibadan, Oyo state.

H<sub>0</sub>3: No significant relationship between socio-demographic characteristics and perception of

caregivers on elderly care in family settings in selected Local Government Area

**Literature Review** 

Aging is a multifaceted process driven by the accumulation of molecular and cellular damage

over time. This leads to a gradual decline in physical and mental capacity, increased disease risk,

and ultimately death. Notably, aging changes are not uniform and don't necessarily correlate with

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chronological age. Beyond biological changes, aging often involves significant life transitions,

including retirement, relocation, and the loss of loved ones, which can further impact an

individual's life (Bhattacharyya, 2021).

Healthy aging can be promoted through lifestyle and dietary strategies that slow functional

decline, with nutrition playing a key role (Fitzgerald & Stoeckel, 2020). Older adults are

vulnerable to deficiencies in energy, protein, and micro-nutrients such as vitamin B12, iron,

vitamin D, and calcium, often due to reduced appetite, digestive issues, or social and financial

barriers. Age-related changes in hunger signals and gastrointestinal discomfort further limit

intake. Interventions like nutrient-dense small meals, softer foods, improved dining

environments, and micro-nutrients supplementation can help prevent deficiencies. Additionally,

supporting digestion and nutrient absorption by maintaining healthy gut microbial stomach

acidity, and enzymatic function is critical to reducing risks such as osteoporosis and cognitive

decline (O'Neill, 2022).

The psychological needs of the elderly are closely tied to emotional, cognitive, and social well-

being, becoming more significant with aging-related transitions such as retirement, loss of loved

ones, declining health, and changing family roles (Hossen & Salleh, 2024). These challenges can

affect self-esteem, identity, and mental health. Emotional support and companionship are vital,

as social isolation and loneliness are common in later life. Strong connections with family,

friends, or community groups help reduce depression and anxiety while fostering a sense of

belonging (Kim et al., 2021; O'G'Li, 2024).

Another essential need is the preservation of purpose and meaning. After retirement, many

elderly people struggle with feelings of redundancy or loss of usefulness, as work and parenting

roles diminish. Engaging in meaningful activities such as volunteering, mentoring younger

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generations, joining religious or community initiatives, or pursuing hobbies can help restore a

sense of contribution and fulfilment. Respect and dignity also play a vital role in psychological

well-being (Hassan, 2023). Ageism and societal neglect can undermine an older adult's self-

worth, but recognition of their life experiences, knowledge, and perspectives fosters self-respect

and emotional stability.

Family and inter-generational relationships are central to the well-being of older adults, with

family members, especially adult children, often serving as informal caregivers who provide

daily assistance, healthcare support, and companionship (Bom et al., 2019). In cultures with

strong inter-generational

solidarity, caregiving is seen as both a moral duty and a cultural norm (Scharlach et al., 2006).

However, the emotional, physical, and financial demands of caregiving can strain caregivers,

leading to burnout and reduced quality of life (Sullivan & Miller, 2015). Changing family

structures due to urbanization, migration, and shifting gender roles are reducing the availability

of family-based care, highlighting the need for policies that support both caregivers and older

adults while accommodating cultural diversity in caregiving practices.

This study is underpinned by the Theory of Planned Behaviour (TPB) developed by Ajzen in

1985. According to TPB, a person's behavioural intentions and behaviours are shaped by their

intention towards attitude, topic norms, and perceived behavioural control. By including the idea

of perceived behavioural control, which is characterised as a person's assessment of how easy or

difficult a specific behaviour is to perform, it expands on the notion of reasoned action (Ajzen,

2011).

The Theory of Planned Behaviour (TPB) posits that human behaviour is shaped by three belief

systems: behavioural beliefs (attitudes toward outcomes), normative beliefs (perceived social

expectations), and control beliefs (perceived ability to perform the behaviour) (Armitage & Christian, 2003). Together, these influence attitudes, subjective norms, and perceived behavioural control, which determine behavioural intentions and, ultimately, behaviour. In the context of elderly care, a caregiver with positive attitudes toward caregiving, supportive cultural or social norms, and confidence in their caregiving skills is more likely to provide consistent and compassionate care. TPB has been widely applied in public health to predict health-related behaviours, making it a strong theoretical foundation for examining how caregivers' knowledge, perceptions, and attitudes shape elderly care practices.

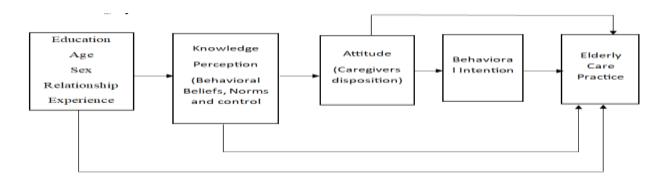


Figure 1: Showing the theoretical framework

### Methodology

This study adopted a descriptive cross-sectional research quantitative design to assess the knowledge, perception, and attitudes of caregivers towards elderly care in a family setting in Ibadan, Oyo State, Nigeria. This research design was appropriate for collecting data along the stated objectives and research questions the study targeted informal elderly caregivers aged 18 years and above who were responsible for caring for elderly persons within their households Individuals who were not directly involved in the daily care of elderly persons, professional caregivers who were employed through agencies or institutions and caregivers with

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communication impairment or disability that could not respond to the questionnaire were excluded from the targeted population.

The study was conducted across Lagelu and Ibadan North East LGAs within Oyo State to capture a representative sample of informal caregivers from diverse settings The sample size for this study was determined using Cochran's formula (Harris, Booth, Cargo, Hannes, Harden, Flemming, & Noyes, 2018).

The sample size was determined using Conchrans Formular:

$$n = Z^2 \times P(1 - p)$$

$$e^2$$

where:

n = required sample size

Z =standard normal deviate at 95% confidence level = 1.96

P = 23.3%

e = margin of error = 0.05

$$n = \frac{1.96^2 \times 0.23(1 - 0.23)}{(0.05)^2}$$

$$n = \frac{(3.8416 \times 0.1771)}{0.0025}$$

$$n = \frac{0.6802411}{0.0025} = 272.0 = 272$$

Adjustment for Non-Response (10%)

Adjusted n = 
$$\frac{n}{1-0.10} = \frac{272}{0.90} = 302.2 = 303$$

Total sample for this study is 303

### **Sampling Procedure**

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A multistage sampling procedure was adopted to select caregivers of elderly persons from (Lagelu and Ibadan North East Local Government Areas).

**Stage One**: Two LGAs were selected by random balloting to minimize bias while keeping the study feasible within time and resource limits, two LGAs give useful insight but not fully represent all LGAs so findings should be generalized with caution

**Stage Two**: The two Local Government Areas were divided into geopolitical wards, four wards were selected within the LGAs using simple random sampling by balloting, applying proportional allocation based on the population of the two LGAs.

**Table 3.1: Showing Proportional Calculation of the Sample Size** 

S/N	LGAs		No	of	2006	Census	% of Sa	mple size	No of	Sample
			Wards	S	Populati	ion	by Propo	rtion	Size	by
					Figure				Propo	rtion
1	Ibadan	North	10		330,399		69	.07		209
	East									
2	Lagelu		14		147,957		30	.93		94
			Total		1 4		478,356	Total	303	

**Stage Three**: The selected wards were divided into compounds which were visited to identify households with elderly persons who have caregivers with the assistance of the ward development committee members.

**Stage Four**: From each eligible household (a household with an elderly person receiving care), one caregiver was selected for participation in the study.

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A validated, structured, interviewer-administered questionnaire was used for data collection. The

instrument which has fifty (50) question items made into four (4) sections, is specifically

designed to address the study's research questions

The research instrument was validated through face and content validity and pretested in Egbeda

Local Government using 10% of the sample The split-half method was used to test the reliability

of the instrument while the internal consistency was calculated using Cronbach alpha coefficient.

A value of 0.7 and above was obtained indicating internal consistency of the instrument. Trained

research assistants fluent in English and the local language facilitated data collection, ensuring

clarity and cultural sensitivity. Ethical standards were strictly upheld, with participants fully

informed and providing written consent, and interviews conducted in private settings to maintain

confidentiality and minimize bias. Data were analyzed using SPSS version 27, with descriptive

statistics (frequency, percentage, mean, and SD) used for research questions, while inferential

statistics employed Pearson Product Moment Correlation (PPMC)

for hypotheses one and two, and Chi-square (cross-tabulation) for hypotheses three to five, and a

p-value of 0.05 set as the level of statistical significance.

**Results** 

The mean age of the respondents was  $36.8 \pm 11.3$  years. More than half (57.7%) of the

respondents had good knowledge of ECIFS, over half (58.3%) had a good perception of ECIFS.

The respondents' knowledge had a significant association with perception (p=0.002; df=2,

 $\chi^2 = 12.55$ ).

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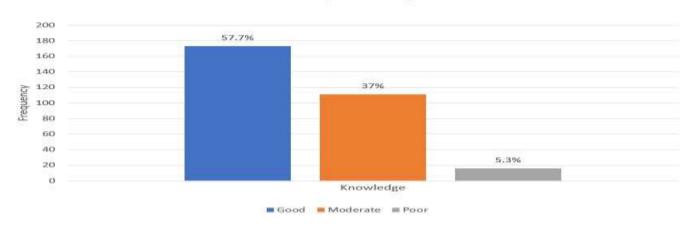
Table 4.1: Showing Socio-Demographic Characteristics

	Variables	Frequency	Percentage	
Gender	Male	120	40	
	Female	180	60	
Age	18 - 27	68	22.7	
	28 - 37	100	33.3	
	38 - 47	80	26.7	
	48 - 57	38	12.7	
	58 - 67	11	3.7	
	68 – 78	3	1	
	Single	102	34	
Marital Status	Married	164	54.7	
	Divorced	22	7.3	
	Widowed	9	3	
	None	21	7	
Level of Education	Primary	20	6.7	
	Secondary	121	40.3	
	Tertiary	138	46	
	Unemployment	82	27.4	
	Artisan	22	7.3	
Occupation	Traders	120	40	
	Civil servant	30	10	
	Private enterprise	43	14.3	
	Retiree	3	1	
	Rural	10	3.3	
Residence	Semi-urban	187	62.3	
	Urban	103	34.4	

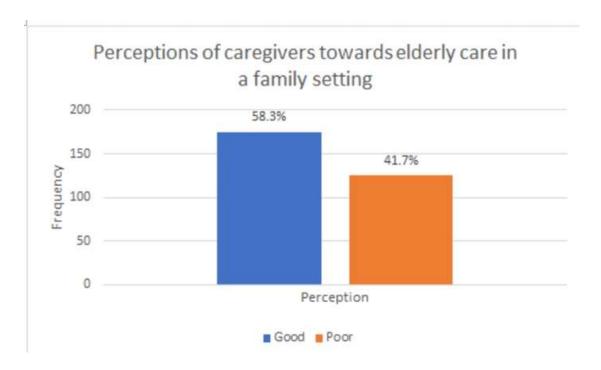
<sup>\*</sup>Mean Age: 36.8 ± 11.3

Conversely, none of the socio-demographic characteristics had a respective significant association with respondents' knowledge and perception of ECIFS. Conclusively, more than half of the respondents had good knowledge and perception of elderly care in family settings.

Caregiver's Knowledge Regarding Elderly care in a Family Setting.







### **Discussion of Findings**

The findings of this study revealed that a substantial proportion of caregivers in Lagelu and Ibadan North East Local Government Areas have good knowledge of elderly care. This is consistent with the findings of Brasaite, Kaunonen, and Suominen, (2015), where 95% of healthcare professionals demonstrated good knowledge, and Fulbrook, Albarran, Baktoft, & Sidebottom, (2012) who reported that 66% of nurses possessed knowledge level. The close alignment between the present study's results and those of trained professionals suggests that knowledge of elderly care may be widely accessible, possibly due to community sensitization programs, exposure to healthcare facilities, and strong cultural norms regarding elder respect and care.

However, the results differ from those of Fita, Mekonnen, Endalew, and Azagew (2021) in Ethiopia, where only 37.2% of nurses had good knowledge. This disparity could be attributed to variations in caregiver education levels, access to healthcare information, and local investments

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in geriatric care services. Furthermore, the Ethiopian phenomenology study noted that even

when caregivers had basic knowledge of elderly care, they often lacked practical competencies

in areas such as fall prevention, nutrition planning, and chronic disease management. Similarly,

in the present study, while overall knowledge scores were high, there were noticeable gaps in

specialized areas of elderly care.

Furthermore, bivariate analysis in this study revealed that educational attainment was

significantly associated with knowledge, with those having a tertiary education more likely to

possess good knowledge. This aligns with the Ethiopian phenomenology study, which noted that

education level influenced both the breadth and application of caregiving knowledge (Yayeh, &

Makua, 2025).

The implication of these findings is that knowledge alone may not guarantee optimal caregiving

practices unless it is complemented by practical training and continuous education.

Strengthening caregiver capacity through workshops, health education programs, and

collaboration with healthcare providers could bridge these gaps, ensuring that knowledge

translates into improved elderly care outcomes. Caregivers in this study generally perceived

elderly care as both a moral responsibility and a valued cultural obligation. This perception

reflects traditional Nigerian values that emphasize reverence for elders and intergenerational

support within families. Similar findings were reported in the Ethiopian study on effective family

caregiving, where caregivers expressed pride in their role but acknowledged limitations in skill

and resource availability.

However, the present study also found that some caregivers expressed concerns about the burden

of elderly care, citing physical strain, emotional stress, and financial challenges. The statistical

analysis showed a significant association between perception and gender with female caregivers

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more likely to report negative perceptions, likely reflecting the heavier caregiving burden

shouldered by women. This dual perception is consistent with the work of Ojifinni and Uchendu

(2022) in Oyo State, who found that while caregivers valued their relationships with the elderly,

many experienced moderate to severe burden, particularly among women and those in rural

communities.

These findings suggest that perceptions of caregiving are shaped by both cultural values and

practical realities. While cultural obligations can foster commitment, the demands of caregiving

may lead to fatigue and reduced morale if support systems are lacking. Interventions that provide

emotional support, skills development, and financial relief could help sustain positive

perceptions and reduce caregiver burnout.

Conclusion

The conclusion drawn is that for eldercare to be effective and dignified within family settings, a

paradigm shift is necessary. This involves not only empowering caregivers with skills and

knowledge but also strengthening the health and social infrastructure that supports aging

populations. Community-level interventions, formal training programs, and caregiver support

policies are urgently needed. Moreover, it is important to challenge harmful traditional beliefs

that stigmatize aging or misinterpret medical conditions such as dementia by engaging them in

medical conditions or mental health awareness. The study has contributed significantly to

understanding the behavioural and structural factors that influence eldercare because it calls for a

more inclusive approach to caregiving, one that includes community health services,

psychological support, and formalized policy frameworks to improve eldercare outcomes

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### Recommendations

- 1. The government should establish community-based eldercare training programs that will be focused on mobility assistance, nutrition and psychological support
- 2. Conduct and host frequent workshops and outreaches to enlighten informal caregivers
- 3. Policies that provide financial assistance or incentives to informal caregivers should be implemented to reduce the economic strain on families.
- 4. Integration of geriatric care education into primary health care and community outreach programs should be prioritized.
- 5. Local government authorities should work in collaboration with NGOs and faith-based organizations to provide psychosocial support and counseling services to caregiver

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