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# Women in Pandemics and Sustainability of African Rural Communities

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#### **Abstract**

Covid-19 pandemic mitigation measures in the global South, particularly African developing countries like Nigeria were inadequate to alleviate socioeconomic effects of the pandemic on the livelihood and survival of rural communities. Rural women dominate the informal sector and have been active in agriculture, food security, health, nutrition, home management, traditional elderly care, and micro and small-scale enterprises. Whilst the effects of the pandemic on Nigerian rural women have been measured, the contribution of rural women to the sustainability of agrarian rural communities in the country have not been studied. This paper explored the role of women in supporting their families and communities for the sustainability of rural communities and challenges they faced as they serve as buffers for the survival of their families and sustenance of livelihood in rural communities during the pandemic. The paper adopted qualitative phenomenological research design. A sample of 30 rural women were drawn from Gbara Village, an agrarian rural community in Sagamu Local Government, Ogun State, Nigeria through convenience sampling and purposive sampling techniques. Semi-structured Interviews, focus group meetings, and documents were used as data sources and descriptive analysis was used to analyses the demographic characteristics of the respondents. The qualitative results were analyzed through content analysis and eight themes emerged. There were responses on contributions of rural women to the sustainability of Gbara Village during the pandemic in agriculture and food security value chain, health and nutrition, home management, traditional elderly care, and rural entrepreneurship. The paper also found that rural women were confronted with socio-economic challenges of gender inequalities, illiteracy, and limited access to technology to enhance their role



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as change agents in rural communities during the pandemic. The study suggested that the government, organized private sector, development agencies, non-governmental organizations, research institutions, and civil society organizations should priorities and fast-track the attainment of gender equality and women education to empower rural women and increase their capacity for socio-economic transformation of rural communities in Nigeria.

**Keywords:** Covid-19 Pandemic, African Rural Communities, Rural Women, Gender Equality and Women Education, Sustainability

#### Introduction

The Covid-19 pandemic that ravaged the entire world in 2020 has caused significant changes in almost every aspect of human life, exacting a heavy toll on individuals, families, communities, and societies worldwide. Daily lives have been drastically altered. economies have entered a slump, and many of the traditional social, economic, and public health safety nets on which many people rely in times of adversity have been put under unprecedented strain (Omokhabi, 2021). The pandemic and efforts to control it have threatened livelihoods, introduced new risks and made unstable work relationships even more precarious in communities, especially for women. The Covid-19 pandemic, which has plunged the world economy into a recession, has been adding to the globe's stress since March 2020. Globally, the Sustainable Development Goals'

advancement over the past few years has either stopped or reversed (Macht, Chapman and Fitzgerald, 2020; United Nations, 2021). In African developing countries like Nigeria, Covid-19 pandemic and subsequent restraint measures are driving the rural communities toward socioeconomic crises where not only health and nutrition but all spheres of life including agriculture, food security, and enterprises are affected. The Nigerian economy is driven by micro, small and medium-sized enterprises in the informal sector and the rural women are active in commercial subsistence agriculture production for food security. Despite this, even before the pandemic, there has been multidimensional poverty across the six-geopolitical zones of the country and many households in the rural communities were food insecure (National Bureau of Statistics, 2022). The State of Food Security and Nutrition in the World (SOFI)



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reported 828 million people were hungry in 2021 which was an increase of 150 million as a result of Covid-19 pandemic. In West Africa, 27 million people suffer from hunger with an additional 11 million facing the likelihood of going hungry (Oxfam, 2022).

In Nigeria, women in the rural communities are traditionally resourceful homemakers, entrepreneurial and they play a critical role in agriculture representing 70% out of the 95% smallholder feeding the nation (Rahman, 2008; Oladejo, Olawuyi, and Anjorin, 2011; John-Mensah, 2018, Kupar, 2019; Udegbunam, 2021). Women are generally responsible partly or entirely for food production, distribution, and utilization (Doss, Njuki & Mika, 2020). The restrictive measures put in place to reduce the risk of transmission of the Covid-19 virus have increased the food insecurity of many (Vasseur, VanVolkenburg, individuals Vandeplas, Touré, Sanfo & Baldé, 2021). Women may have been disproportionately impacted by the pandemic in terms of food because of security their important involvement in agriculture and food security. The gender disparity in the prevalence of moderate or severe food insecurity rose throughout the Covid-19 pandemic, and

women were 10% more likely to be in this situation than males in 2020 as opposed to 6% in 2019 (<u>FAO, IFAD, UNICEF, WFP, & WHO, 2021</u>). Women in rural areas have had to shoulder more burdens due to caring for others, performing unpaid work, and playing roles in the food chain (<u>Power, 2020</u>). Due to pandemic pressures, in addition to food security, other gender inequities, like gender-based violence, have gotten worse (<u>Breakfast & Nomarwayi, 2021</u>; Maula, 2021).

Studies carried in both developed and developing countries had focused more on the impacts of Covid-19, strategies for its prevention and vaccination with little on the that rural women played during pandemics to sustain the communities. In order to steer the future logically and wisely in situations of this sort, it is crucial to understand how rural women were affected by the numerous government tactics enforced to stop the virus' spread. Additionally, it would be helpful to understand how these actions affected how daily responsibilities obligations were carried out. Simply put, how did they respond to or manage the Covid-19 pandemic's effects on their life, particularly their social and economic circumstances, thereby promoting the sustainability of their



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communities? This question is significant in terms of economic justice for rural women, who are considered underprivileged and vulnerable despite playing critical roles as homemakers and breadwinners in rural communities.

#### **Literature Review**

#### **Covid-19 Pandemic and Its Effects**

The disease COVID-19 was declared a pandemic on March 11, 2020 (World Health Organization [WHO], 2020). Since the pandemic's start in Wuhan, China, it has posed a serious threat to human existence. It is a virus that neither respects national boundaries nor recognizes any boundaries between people. It confirms that globalization and its discontents impact all people, nations, and economies (Stiglitz, 2002). According to Narendra, Saurabh, and Arun (2020), it is an infectious condition brought on by the coronavirus that causes severe acute respiratory syndrome.

The virus has a five-day incubation period and spreads from person to person, primarily by respiratory droplets, body contact, coming into contact with contaminated objects, and body parts, including hands, faces, eyes, noses, and mouths. Covid-19 is extremely contagious and can spread through contact with asymptomatic people as well. It quickly spread to practically every country in the world and had major health repercussions for everyone, especially the elderly and those with preexisting comorbidities. The best course of action was to treat the accompanying illnesses and symptoms as there was no treatment in sight. Attempts to create a vaccination against the illness were also made (Moronkola, Iyanda, Moronkola, & Omokhabi, 2020). Life has changed significantly since the Covid-19 epidemic first broke out. The pandemic has had an impact on every aspect of life, including how individuals eat and how communities can survive, especially in rural places. In the public sphere, it has an impact on the economy, health, society, politics, and humanity; however, little is known about how it influences people's feeding (eating) behaviors and household food security.

The pandemic's impact studies showed that its lead to violence against children and women as investigated by Pereira, et al (2020) and Peterman, Potts, Megan, Thompson, Shah, Oertelt-Prigione, & van Gelder (2020), on health by Berger, Nicholas, Alexandra, and Ross (2020), United Nations (2020) and World



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Health Organization (2020), on economy by Eichenbaum, Rebelo and Trabandt (2020) and Piguillem and Shi (2020), on education by United Nations (2020), and on human safety by Lattouf (2020) and National Domestic Violence Hotline (2020). Other studies have also pointed out the implications of the novel virus for food insecurity according to Guterres (2020), United Nations Standing System Committee on Nutrition (2020) and World Food Programme (2020). Hunger, sex-for-food. violence against women and girls, unhealthy coping mechanisms, and other effects are listed by the Food and Agriculture Organization of the United Nations (2020). Because of the lockdown's disastrous effects on Nigerian households (including food shortages, poor disposable income, rape, sex-for-food, and among other things), skipping meals, mankind peaceful coexistence and worldwide are at risk (Laetitia, 2020; Laura, 2020; Nigeria Centre for Disease Control (NCDC), 2020; United Nations High Commissioner for Refugees 2020; United Nations, 2020; World Health Organization, 2020). Besides, it is a threat to household security, especially the safety and adequate nourishment of women and children.

# Rural Women in African Rural Communities

According to the UNDESA (2019), about 3.4 billion people still reside in rural regions in low- and middle-income countries, and the depend to varied degrees majority agricultural and food systems for a living. Most of this rural population is critically extremely and moderately poor and/or malnourished (UNDESA, 2021). Most low- and middleincome countries will continue to have substantial or growing rural populations despite significant urbanization for the foreseeable future. Addressing the links between rural people's well-being and food systems will be necessary to meet the Sustainable Development Goals, especially SDG One (Poverty) and SDG Two (Hunger), as well as a longer-term agenda of leaving no one behind (FAO, 2017).

The improvement of justice, nutrition, environmental sustainability, and resilience in food systems is necessary for the future well-being of billions of rural residents. Women tend to dominate subsistence agriculture, non-timber forest products enterprises, conservation, and agri-food marketing, while women have a wide range of roles in agriculture depending on area, age, ethnicity, and socioeconomic class (FAO)



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& African Union, 2018). Women participate in all phases and steps of food processing and are universally in charge of preparing food for their family. In many cultures and nations, women are primarily in charge of providing food for their families. Given that they are responsible for providing their families with essentials like food, fuel, and water, women have a strong stake in environmental protection and deterioration. Rural women play a significant role in development. They serve as a catalyst for the seismic shifts in the economy, the environment, and society needed for sustainable growth. The difficulties they encounter, however, include having limited access to credit, healthcare, and education. The difficulties of illiteracy and a lack of access to technology have a detrimental effect on the roles of women in the growth of rural communities (Rathgeber, 2011; Mbah, 2015; Wang and Zhang, 2022). The world food and economic crises, as well as climate change, intensify these. Given the significant proportion of women working in agriculture around the world, empowering them is essential for the wellbeing of each person, their families, and rural communities as well as for overall economic production.

In Nigeria, women play a significant role in agriculture. Women make up between 70 and 80 percent of the agricultural labor force among the Jukun people, nomadic Fulfulde women, and Kulka women farmers, according to several studies conducted in the country's north. Additionally, a survey of rural agricultural women in the area showed that they take part in income-generating activities, particularly the processing of agricultural produce. Similarly, 90% of the women in a similar survey of food processing and cottage industries in three Zaria villages participated in at least one food processing activity (Baba, Zain, Idris, & Sanni, 2015). The scholars cited several sources to confirm that the role of women in Nigerian agriculture has gotten more attention over the years. While women have taken over the production and processing of arable crops in some states, they are also responsible for up to 80% of the nation's staple food production. Even though they are responsible for food crops, their activities have significantly contributed to national agricultural production and food security. Several studies have been conducted over the years to identify the barriers women's participation in agricultural activities. The visible of most these impediments is gender inequality, which





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women face in all aspects of life. Systemic gender biases may exist in the form of customs, beliefs, and attitudes that confine women primarily to the domestic sphere, women's economic and domestic workloads that place significant time demands on them, and laws and customs that restrict women's access to credit, production inputs, employment, education, or medical care (Baba, et al, 2015).

Gbara Village, a Typical African Rural Community

The study area, Gbara Village is an agrarian rural community situated north of Simawa, east of Sotubo, and west of Likosi in Sagamu Local Government, Ogun State. Gbara Village is Yoruba and has served as the farmland of the Ijagba people from Ijagba in Sagamu. The village has a migratory population of 350 people and out of these adult women are 220 which is 63% of the total population of the rural community. The Igede people from Benue State are in sizeable number in the village and the women are also farmers. There is a growing population of youth who reside in the village and are not Yorubas of Ogun State origin but from different parts of the country, particularly

Kaduna, Kano, Katsina, Akwa-Ibom, Benue, Cross River, and Imo States to seek employment in the steel manufacturing companies around the community.

Like most Nigerian rural settlements, basic contemporary infrastructure and amenities are lacking in the village. However, it is primarily an agricultural village. Along with the cultivation of crops like vegetables, it also keeps animals. Poultry, pigs, and fisheries are some of the species that are raised. The village generates a comparatively high crop of cassava each year, which benefits its economy. For some of the rural women, the yields are a significant source of cash and are sufficient for processing. Gbara Village is primarily a rural community in terms of physical development, with land supporting use subsistence agriculture and a community school to provide the educational needs of the children. However, there are some contemporary components in the nearby communities such as private schools, hospitals, a police station, and a market. There are more smallholder farmers and petty traders among the women.

The adult women are aged between 35 years and 53 years old. These women are mainly self-employed smallholder farmers, and



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homemakers who are largely responsible for

homemakers who are largely responsible for catering for their families and children. Their level of literacy is very low, and most of them do not have basic functional literacy but they are able to follow news through listening to radio and getting updates from their visiting family members and children who have access to social media. They have forum for gathering at community levels in the churches and a mosque (religious centers) in the village. These women have limited access to the internet. There is electricity in the community, and it is largely unreliable. There is no portable water, and the women depend on water from the river that courses through the village from adjourning communities for their drinking water, cooking, bathing, and washing. The women are homemakers and self-employed. Those working in scrap iron and steel companies in the neighboring communities do not have to take public transport facilities but walk to and from their places of work.

#### Methodology

The study adopted qualitative phenomenological research design to enable the participants to describe their lived experiences as related to the objectives of the

study. The sample of the population comprised 30 rural women who were drawn from Gbara Village, an agrarian rural community in Sagamu Local Government, Ogun State, Nigeria through convenience sampling and purposive sampling techniques. The self-designed instrument is a guide sheet with three sections comprising Section A with 5 items for demographic characteristics of the respondents, Section B with 10 items for thematic analysis of respondents' lived experiences in the pandemic, and Section C with 5 items for respondents' socio-economic challenges during the pandemic.

The self-designed instrument measured themes of agriculture and food security value chain, health and nutrition, home management, traditional elderly care, and rural entrepreneurship with 10 open-ended questions whilst socio-economic challenges of gender inequalities, illiteracy, and limited access to technology were measured with 5 open-ended questions. The study obtained data for the demographic characteristics of the respondents through used minutes of monthly community meeting documents and personal questions. The 10 open-ended questions were collated through semi-structured interviews while the 5



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open-ended questions were collated through 2 focus meetings in the village square.

The study conducted a pilot of 10 rural women in Gbodomu, a neighboring farm settlement with Gbara Village selected through purposive sampling techniques to ascertain the content validity of the instrument. An expert in Social Welfare in the Department of Adult Education in the University of Ibadan analyzed contents of the instrument and sequenced the themes to reflect objectives of the study. The data collected for Section A were analyzed through descriptive statistics using frequency counts and percentages, and Section B and Section C were punctiliously transcribed into English from notes taken during the oral interviews and focus group meetings which were conducted in Yoruba language,

coded manually and categorized using MSOffice applications with themes to measure agriculture and food security value chain, health and nutrition, home management, traditional elderly care, and rural entrepreneurship as well as socio-economic challenges of gender inequalities, illiteracy, and limited access to technology respectively.

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#### Results

# Section A: Descriptive Analysis of Quantitative Data

The study used descriptive statistics to analyses the demographic characteristics of respondents with simple frequency counts and percentage scores as follows:

**Table 1: Demographic Characteristics of Respondents** 

Occupation	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
Full-time Housewife (FTW)	2	6.7%	6.7%	6.7%
Smallholder Farmer (SF)	14	46.7%	46.7%	53.4%
Entrepreneur/micro business owner	4	13.3%	13.3%	66.7%
(EMBO)				
Entrepreneur/Petty Trader (EPT)	6	20.0%	20.0%	86.7%
Factory worker/Housekeeper (FWH)	4	13.3%	13.3%	100.0%



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Occupation	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
Total	30	100.0%	100.0	
			%	
Income	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
Below N15,000.00 per month (Level	2	6. 7%	6.7%	6.7%
1)				
N15,000.00 – N24,999.00 per month	3	10.0%	10.0%	16.7%
(Level 2)				
N25,000.00 – N34,999.00 per month	9	30.0%	30.0%	46.7%
(Level 3)				
N35,000.00 – N44,999.00 per month	12	40.0%	40.0%	86.7%
(Level 4)				
Above N45,000.00 per month (Level	4	13.3%	13.3%	100.0%
5)				
Total	30	100.0%	100.0%	
<b>Educational Background</b>	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
Formal education up to primary	9	30.0%	30.0%	30.0%
school without certificate				
(FEUTPSWC)				
Formal education up to secondary	6	20.0%	20.0%	50.0%
school without certificate				
(FEUTOSSWC)				
No formal education (NFE)	2	6.7%	6.7%	56.7%
Islamic education (IE)	4	13.3%	13.3%	70.0%



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Occupation	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
First School Leaving Certificate	5	16.7%	16.7%	86.7%
(FSLC)				
West Africa School Certificate	3	10.0%	10.0%	96.7%
Examination (WASCE/SSSCE)				
Post-secondary school certificate	1	3.3%	3.3%	100.0%
(PSSC)				
Total	30	100.0%	100.0%	
Marital Status	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
Married (M)	18	60.0%	60.0%	60.0%
Unmarried (U)	2	6.7%	6.7%	66.7%
Divorced (D)	3	10.0%	10.0%	76.7%
Widowed (W)	4	13.3%	13.3%	90.0%
Single Parent (SP)	3	10.0%	10.0%	100.0%
Total	30	100.0%	100.0%	
Age	Frequency	Percentage	Valid	Cumulative
			Percent	Percent
18 – 25 years old (AGE-1)	2	6.7%	6.7%	6.7%
26 – 35 years old (AGE-2)	4	13.3%	13.3%	20.0%
36 – 45 years old (AGE-3)	14	46.7%	46.7%	66.7%
46 – 55 years old (AGE-4)	7	23.3%	23.3%	90.0%
Above 55 years old (AGE-5)	3	10.0%	10.0%	100.0%
Total	30	100.0%	100.0%	

The respondents were full-time housewives (n = 2; 6.7%), smallholder farmers (n=14,

46.7%), entrepreneurs/micro business owners (n=4, 13.3%), entrepreneurs/petty traders (n=6,



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20.0%), and factory workers/housekeepers (n=4, 13.3%). Two (6.7%) of these women earn below N15,000.00 per month, 3(10.0%) earn N15,000 - N24,999.00 per month, 9(30.0%) earn N25,000 - N34,999.00 per month, 12(40.0%) earn N35,000.00 -N44,999.00 per month, and 4(13.3%) earn above N45,000.00 per month. Whilst (n=1, 3.3%) has post-secondary school certificate, (n=2, 6.7%) have no formal education. There were (n=4, 13.3%) with Islamic education whilst (n=5, 16.7%) and (n=3, 10.0%) have First School Leaving Certificate and West Africa School Certificate Examination (WASCE/SSCE) respectively. There were (n=9, 30.0%) who had formal education up to primary school without certificate and (n=6, 20.0%) with formal education up to secondary school without certificate. The respondents who were married (n=18, 60.0%), unmarried (n=2, 6. 7%), divorced (n=3, 10.0%), widowed (n=4, 13.3%) and single parent (n=3, 10.0%) were aged 18-25 years old (n=2, 6.7%), 26-35 years old (n=4, 13.3%), 36-45 years old (n=14, 46.7%), 46-55 years old (n=7, 23.3%) and above 55 years old (n=3, 10.0%).

# Section B: Thematic Analysis of Qualitative Data

The findings of the study showed respondents' contributions to the sustainability of African rural communities in pandemic. These results were presented under five themes namely agriculture and food security value chain, health and nutrition, home management, traditional elderly care, and rural entrepreneurship.

# Theme 1: Agriculture and Food Security Value Chain

**Table 2:** Summary of Respondents' Views on Women's Contribution to Agriculture and Food Security Value Chain for Sustainability of Gbara Village during the Pandemic.

# Theme 1.1: Views on the pandemic affecting rural women's ability to farm, harvest, and sell their crops

# Theme 1.2: Views on rural women mitigating effects of pandemic on agriculture and food security value chain in your rural community

Occupation	Income	Educati	Marital	Age	Respondent's Reaction
		on	Status		



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Smallholder	LEVEL	FEUTPS	M	AGE-	Our farming activities did not stop
Farmer 1	5	WC		3	during the pandemic. Rather, we
					cultivated food crops around the
					house areas and fetched water from
					the stream to grow basic crops to feed
					the family.
Smallholder	LEVEL	IE	M	AGE-	I followed my husband to the farm
Farmer 7	5			3	during the pandemic and offered
					support to grow food crops to feed the
					family. We were able to sell our
					produce in the community market and
					move some to the city although some
					of the produces were destroyed
					because of the restriction in
					movement.
					We obeyed Covid-19 precautions as
					we used local clothes to make nose
					masks and wore while going to farm
					and during sales of farm produces
Entrepreneu	LEVEL	FEUTPS	U	AGE-	I became a middle-woman for the
r/micro	5	WC		3	smallholder farmers during the
business					pandemic and used my experience in
owner 1					logistics to arrange transportation to
					move farm produce from the village
					to the city. We were able to observe
					all the Covid-19 protocols and there
					was no incidence of the outbreak of
					the pandemic in the village.



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Smallholder	LEVEL	FEUTPS	M	AGE-	Women group collaborated with the
Farmer 9	4	WC		5	church and attracted buyers for our
					farm produce to get them to the city
					markets in Sagamu and Ikorodu. We
					harvested sacks of pineapples which
					the women group assisted us to get to
					designated markets to avoid wastage
					because we did not have a storage
					system for the produce.
Smallholder	LEVEL	FEUTPS	M	AGE-	We continued to farm despite the
Farmer 10	4	WC		4	pandemic. Our children were not
					going to school so they followed us to
					the farm and we got more hands to
					work because we were mainly
					involved in subsistence farming. This
					increased our harvest and we got
					more money to feed our families. Our
					husbands were hesitant to go to the
					farms but we braved the odds because
					we did not want our children to go
					hungry.
					We made use of locally made soap to
					wash our hands regularly and
					impoverished empty keg of oil as our
					source of washing hands.



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Smallholder	LEVEL	WASCE	SP	AGE-	The pandemic limited our ability to
Farmer 14	4	/ SSSCE		3	increase our farm production for
					obvious reasons but we were able to
					sell the little we harvested and made
					money to feed our families. Our
					customer patronage dropped although
					we still made sales through the
					women group and church logistics to
					get our produce to the market.
Entrepreneu	LEVEL	FSLC	M	AGE-	My stall in the village could not serve
r/micro	3			2	the needs of the people during the
business					lockdown because of restriction in
owner 4					movement. However, I was able to
					get stocks from neighboring
					communities at a premium and sell to
					those who could afford them. I
					continued to serve the needs of the
					community and we traded by barter
					for those who could not pay cash for
					the goods to they needed to feed their
					families.

The results of the study showed that respondents considered their courage to continue to go to farm as smallholder farmers to enable them feed and fend for their families in spite of the lockdown and the realities of job loss experienced by some of their husbands. There were restrictions in

movement, but respondents found a way around the constraint without breaching the Covid-19 prevention protocols using locally made nose masks, locally produced soap for washing and observing social distancing and were able to harvest their crops and sell their produce in the market so that they could get money to take care



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of their families. The additional hands they got from their school-age children who were affected by the pandemic boosted their production and sales. The rural women formed themselves into a collaborative group and teamed up with the community church to organise logistics to get buyers for their produce and avoided loss of sales and harvest wastages. Respondents submitted that they beat the Covid-19 pandemic lockdown and

were able to continue their farming and

small-scale businesses without breaching the statutory laws in order to feed their families and provide agriculture produce for consumption in the cities.

#### Theme 2: Health and Nutrition

**Table 3:** Summary of Respondents' Views on Women's Contribution to Health and Nutrition for Sustainability of Gbara Village during the Pandemic.

Theme 2.1: Views on the pandemic affecting health and nutrition of the family in the rural community

Theme 2.2: Views on rural women mitigating effects of the pandemic on the health and nutrition of the family

Occupation	Income	Education	Marital	Age	Respondent's Reaction
			Status		
Smallholder	LEVEL	IE	M	AGE-	We cannot find food easily for our
Farmer 2	2			3	children. But we have to continue
					to go to farm and cultivate food to
					feed our family.
Smallholder	LEVEL	NFE	M	AGE-	The government palliatives did not
Farmer 3	3			3	really get to us. We only heard
					about it and were not fortunate to
					receive anything from the
					government. The church in the
					village shared palliatives for their
					members. Despite the restrictions
					in movement, we still have to get



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					our produce from the farm and improvise to set up stall in front of our houses to sell our produce to get money to buy drug and feed the family.
Fulltime	LEVEL	IE	M	AGE-	We were affected by the
Housewife 1	1			3	restrictions but have to work
					through the informal women
					groups to exchange what we have
					such as foods and money for drugs
					and provisions for the family.
Fulltime	LEVEL	IE	M	AGE-	We were at home throughout the
Housewife 2	1			5	lockdown. I had to farm around the
					house and fetch water from the
					well to nurture the plants to grow
					so that we can feed the family, and
					provide basic health care for the
					children, and our husband.

The results of the study showed that the rural women confirmed that the pandemic negatively impacted the health and nutrition of their children and families in the rural community. Respondents could not find food and medicine for their households and did not get any government palliatives throughout the pandemic. Respondents had to engage in farming and trading to get money to provide

food and basic health care for their children and households.

#### **Theme 3: Home Management**

**Table 4:** Summary of Respondents' Views on Women's Contribution to Home Management for Sustainability of Gbara Village during the Pandemic.



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Theme 3.1: Views on the pandemic affecting home management in the rural community

Theme 3.2: Views on how rural women mitigated effects of the pandemic on home

management in the family

Occupation	Income	Education	Marital	Age	Respondent's Reaction
Occupation	liicome	Education		Age	Respondent's Reaction
			Status		
Smallholder	LEVEL	FEUTOSSWC	M	AGE-	My husband could not go to
Farmer 4	3			3	work and this was a lot of
					stress for the family. I had to
					step up to tidy up things
					around the house and ensure
					that the children comport
					themselves to not irritate
					their father. It was really
					frustrating
Entrepreneur/	LEVEL	FEUTOSSWC	SP	AGE-	It was difficult combining
Microbusiness	4			4	home keeping with running
Owner 2					my small-scale business
					during the lockdown. The
					fear of contracting the
					disease was palpable. I had
					to ensure that the home was
					always clean (sweeping,
					cleaning and washing) and
					everybody complied with
					the Covid-19 pandemic
					prevention measures.
Entrepreneur/Petty	LEVEL	WASCE/	W	AGE-	Going around to sell my
Trader 2	5	SSSCE		4	wares during the pandemic
					was difficult. I had to make



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					sure that the home front always observed the Covid- 19 prevention measures and nobody was sick.
Entrepreneur/Petty	LEVEL	FSLC	M	AGE-	Although there was no
Trader 4	3			4	incidence of Covid-19
					infection in the village
					through the pandemic, the
					fear of the pandemic
					affected sales and I had to
					work with the women
					groups to sell my goods and
					get money to take care of the
					home because my husband
					lost his job during the
					pandemic.

The results of the study revealed that rural women were multitasked by staying at home to take care of their children, husbands, and vulnerable people in the community whilst working as smallholder farmers and small-scale entrepreneurs to make money to support their families. Despite the lack of medical facilities and health centre in the village, the women mobilized themselves and

ensured cleanliness and hygiene such that there were no records of Covid-19-related sickness in the community throughout the pandemic.

#### **Theme 4: Traditional Elderly Care**

**Table 5:** Summary of Respondents' Views on Women's Contribution to Traditional Elderly Care for Sustainability of Gbara Village during the Pandemic.

Theme 4.1: Views on the pandemic affecting the traditional elderly care in the rural community



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# Theme 4.2: Views on rural women mitigating effects of the pandemic on traditional elderly care in the family

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Entrepreneur/	LEVEL	FEUTPS	W	AGE-4	The elderly did not get palliative care
Petty Trader	3	WC			during the pandemic. We had to resort
5					to traditional medicinal care to attend to

Petty Trader 5	3	WC			during the pandemic. We had to resort to traditional medicinal care to attend to the health and well-being of the elderly in the village.
Entrepreneur/	LEVEL	FSLC	W	AGE-3	The excessive usage of firewood and
Petty Trader	3				limited access to other means of
6					cooking (like gas and kerosine)
					because of the pandemic affected the
					health of the elderly in the village.
					There were no kitchens and everybody
					cooked in the open. We could only
					offer informal support through
					traditional herbal care and could not
					access orthodox medicine because of
					restrictions in movement. We were
					there to cheer up the elderly without
					which their mortality rate would have
					been high.

The results of the study revealed that the care of the elderly in the community suffered a setback because of the pandemic and the rural women resorted to traditional health care to attend to the elderly in the village. Respondents got support from the church in the community and pool their resources together to get drugs and free medical outreaches to the elderly in the village.

Respondents tried to create an environment that enhanced the health and wellbeing of the elderly to reduce their exposure to smoke and elements that could complicate their health and spike mortality rate in the village.

#### **Theme 5: Rural Entrepreneurship**

Table 6: Summary of Respondents' Views on Contribution Women's Rural to



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Entrepreneurship for Sustainability of Gbara

Village during the Pandemic.

# Theme 5.1: Views on the pandemic affecting rural entrepreneurship in the rural community

Theme 5.2: Views on rural women mitigating effects of pandemic on rural entrepreneurship for sustainability of the family and community

Occupation	Income	Education	Marital	Age	Respondent's Reaction
			Status		
Smallholder	LEVEL	FEUTOSSWC	M	AGE-	There were restrictions on
Farmer 11	4			4	movements but we were
					brave and courageous in
					carryout out our
					businesses taking into
					consideration the
					preventive measures to
					protect ourselves from
					contracting the disease. It
					helped us provide for our
					families.
Smallholder	LEVEL	PSSC	W	AGE-	Our children were at home
Farmer 12	4			5	and could not go to school.
					They ate more and were
					always hungry. We had to
					go and get more food for
					them. The option of not
					going to farm was not
					there otherwise our
					families would starve.



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Entrepreneur/	LEVEL	FLSC	M	AGE-	My business experienced a
Microbusiness	4			3	boom during the lockdown
Owner 3					because I traded in food
					supplies. Although many
					bought on credit but I was
					able to get money to take
					care of the family.
Entrepreneur/Petty	LEVEL	FLSC	M	AGE-	My husband was fired and
Trader 1	4			2	left me with the children
					because of the pandemic. I
					was left alone to fend for
					our five children and make
					money to feed the family.
					It was initially difficult
					because the money was
					not enough but I got
					support from the church in
					the village and we
					survived the pandemic.
Entrepreneur/ Petty	LEVEL	FSLC	D	AGE-	I continued to carry out my
Trader 3	3			4	petty trade during the
					pandemic although the
					restriction in movement
					slowed down my sales.
					However, I could make
					enough money to get by
					and feed my family.



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Whilst most businesses were shut down as a result of the pandemic, the results of the study showed that the rural women continued to farm and engage in their small-scale trading primarily to provide food for their families and contribute to the food security value chain in the larger society. Respondents observed all the Covid-19 pandemic prevention measures but farmed and traded to support their families. In spite of the constraints of logistics and distribution channels, respondents were able to sell their

produce in the market and make marginal profits to fend for their families.

## Section C: Socio-economic Challenges of African Rural Women in Pandemic

# Theme 6: Socio-economic Challenge 1: Gender Inequalities

**Table 7:** Summary of Respondents' Views on Socio-economic Challenge of Gender Inequalities against Rural Women during the Pandemic.

Item 6: Views of rural women on the pandemic contributing to gender inequalities in the rural communities								
Occupation	Income	Education	Marital	Age	Respondent's Reaction			
			Status					
Field Worker 1	LEVEL	FEUTOSSWC	M	AGE-	I was not paid the sam			
	3			2	amount as men in the factor			
					although we performed th			

Field Worker 1	LEVEL	FEUTOSSWC	M	AGE-	I was not paid the same
	3			2	amount as men in the factory
					although we performed the
					same tasks. When we
					complained, we were
					harassed to go and marry
					rather than trying to compete
					with men in the factory.
Field Worker 2	LEVEL	FEUTOSSWC	D	AGE-	Men often made advances at
	2			2	me at work and it was
					difficult to complain because
					the supervisor was not better
					because of the things I have



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					heard about him. I had not
					been personally harassed by
					him before but the advances
					from co-workers were
					disturbing.
Field Worker 3	LEVEL	FEUTOSSWC	D	AGE-	I heard that incidences of
	3			1	sexual assaults were rampant
					in our village and
					neighboring villages but no
					girl was bold enough to
					come out to report their
					experiences for fear of
					stigmatization. Two of my
					friends were abused by their
					close relations and trusted
					friends during the pandemic.
					Another two were raped and
					impregnated by co-workers
					who ran away after the
					incidence.
Field Worker 4	LEVEL	NFE	U	AGE-	I stayed with my uncle and
	2			1	was subjected to gender-
					based violence during the
					pandemic. I had to move
					away from his apartment to
					live with a friend in the
					village for the sake of my
					mental health and wellness.



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Smallholder	LEVEL	PSSC	W	AGE-	Women had	low
Farmer 12	4			5	representation in	the
					community hierarchy	and
					the role of market wor	nen
					leader has not been accor	ded
					the rightful recognition	in
					coordinating the activities	s of
					smallholder farmers in	the
					community.	

The results of the study showed that women experienced wage discrimination, sexual assaults, workplace harassment, gender-based violence and low representation in the community hierarchy during the pandemic. According to respondents, perpetrators of the gender-based violence against rural women in the village were able to get away from

justice because of restrictions of the Covid-19 pandemic.

# Theme 7: Socio-economic Challenge 2: Illiteracy

**Table 8:** Summary of Respondents' Views on Socio-economic Challenge of Illiteracy of Rural Women during the Pandemic.

Item 7.1: Views on illiteracy affecting the rural women during the pandemic Item 7.2: Views on adult literacy enhancing the contribution of women to the sustainability of the community during the pandemic

Occupation	Income	Education	Marital	Age	Respondent's Reaction
			Status		
Smallholder	LEVEL	NFE	M	AGE-	We could not get information
Farmer 3	3			3	in time regarding the
					pandemic and its health
					consequences. Women would
					have been better informed and



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					prepared to help the children,
					older women and the elderly if
					they are exposed to adult
					literacy programmes
Field	LEVEL	NFE	U	AGE-	Our inability to read and write
Worker 4	2			1	mean that we have to depend
					on radio programmes and
					television to inform us about
					developments in the city but
					because we do not have
					reliable electricity supply, this
					was difficult. We get
					information through word of
					mouth and most times this
					information is distorted. We
					need adult literacy programme
					so that we can read and write
					and be able to know how to
					use our phones to get timely
					information.
Fulltime	LEVEL	IE	M	AGE-	Our low level of literacy
Housewife	1			3	affected our health care and
1					hygiene in the village. Let
					government help us with adult
					literacy centers so that we can
					know the right ways to
					improve our living standard
					and take care of our children
					and families.



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Fulltime	LEVEL	IE	M	AGE-	Our inability to read and write
Housewife	1			5	limits the types of
2					opportunities we get. I want to
					work, and I do not want to be
					a fulltime housewife again.
					We suffered constraints
					during the pandemic. If I were
					educated, I could have done
					more to cater to the needs of
					my children and family.
Field	LEVEL	FEUTOSSWC	D	AGE-	I could not get a good job
Worker 3	3			1	because of my low level of
					education. I want the
					government and well-meaning
					Nigerians to help us with adult
					literacy classes so that we can
					read and write and improve
					our living conditions.

The results of the study showed that illiteracy hampered rural women access to information on health care, socio-economic resources, and market intelligence to promote their effectiveness as smallholder farmers and housekeepers who wanted the best health care and sustainability for their families and communities. The ability of the respondents to read and write limited their access to opportunities to decent work, equitable

remuneration, quality of life, and standard of living. The respondents perceived that adult literacy would expose them to information to promote the quality of their agriculture, enhance their access to good Medicare, and improve their standard of living in the rural community.

## Theme 8: Socio-economic Challenge 3: Limited Access to Technology



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**Table 9:** Summary of Respondents' Views on

Women's Limited Access to Technology during

Socio-economic Challenge of Rural the Pandemic.

Item 8.1: Views on limited access to technology affecting the rural women during the pandemic

Item 8.2: Views on access to technology enhancing the contribution of women in the sustainability of the community during the pandemic

Occupation	Income	Education	Marital	Age	Respondent's Reaction
			Status		
Smallholder	LEVEL	IE	M	AGE-	Internet network is poor in our
Farmer 2	2			3	village. It is not all the phone
					networks that work well. We do
					not get information on time
					through the social media and this
					could have helped us to get our
					produce to the market on time
					and reduce dependence on
					middlemen.
Smallholder	LEVEL	NFE	M	AGE-	Most of the smallholder farmers
Farmer 3	3			3	do not have smartphones and
					depended on their young adult
					children in the communities to
					call and update them about
					development regarding the
					pandemic. Access to technology
					would have reduced the fears
					and panic and give people real
					time information and help them



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					cope with the realities of living
					through the pandemic.
Smallholder	LEVEL	FEUTOSSWC	M	AGE-	I think that access to technology
Farmer 4	4			3	could have helped our farm
					business during the pandemic.
					We were constrained and had to
					rely on our native intelligence to
					push our produce to the local and
					city markets to survive.
Entrepreneur/	LEVEL	WASCE/	M	AGE-	I used my analogue phone to
Microbusiness	3	SSSCE		2	contact my customers and
Owner 4					sometimes I could not
					communicate effectively with
					them because I did not have a
					smartphone. I know there are
					cheaper smartphones that I could
					afford but I need someone to
					assist me to learn the functions
					on it so that I can use it very
					well.
Entrepreneur/	LEVEL	FSLC	M	AGE-	I was told that there is so much
Petty Trader 1	4			2	we could do with technology but
					I was afraid my data and private
					information could be stolen if I
					give third parties to help me
					navigate the features of the
					phone. I will need training on
					how to use the phone to do my
					business well



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The results of the study showed that limited access to technology constrained rural women's ability to increase their access to market to sell their produce during the pandemic. Respondents could not promptly access information because of limited telecommunications network in the rural community. Respondents perceived that if they had improved access to technology through smartphones and social media, they would have coordinated their businesses better, and access information about the pandemic to enable them to educate their households and vulnerable ones on how to care for themselves during the lockdown.

**Discussions** 

The phenomenological study has shown the role played by women in the sustainability of the rural community during the pandemic around five thematic areas of agriculture and food security value chain, health and nutrition, home management, traditional elderly care, and rural entrepreneurship and also explored the socio-economic challenges of gender inequalities, illiteracy, and limited access to technology that rural women faced during the pandemic. The results of the study which showed that women were actively

engaged in agriculture and food security value chain during the pandemic were corroborated by Food and Agriculture Organization of the United Nations and African Union (2018) and Baba, et al (2015) which highlighted the role of women in agriculture as these women dominated the subsistence agriculture sector in Africa and were involved in value chain of food production and processing. Women worked to provide health and nutrition for their households in the rural communities in the pandemic and the studies of Berger et al (2020), Lattouf (2020) and World Health Organization (2020) asserted that the pandemic affected rural health and human safety.

Kupar (2019) corroborated the results of the study and emphasized the role of rural women of in the management household responsibilities which included child development, health care and well-being, diet and nutrition, cleanliness, and maintenance which help the community to contain the spread of the Covid-19 pandemic and survival of the rural community during the pandemic. The Despotovic, Joksimovic, and study Jovanovic (2019) related that rural women were involved in traditional elderly care in the community and this agreed with the results of the study that women were resourceful in



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providing traditional elderly care for the aged in the rural community during the pandemic. The study of Eichenbaum, Rebelo, and Trabandt (2020) related the impact of the pandemic on the economy and rural entrepreneurship to concur about importance of in rural women entrepreneurship during the pandemic according to the results of the study.

The studies of Pereira, et al (2020) and Peterman, et al (2020) concurred that the Covid-19 pandemic increased gender-based violence against women corroborating the study that rural women were exposed to gender inequalities in the community during the pandemic. Breakfast and Nomarwayi (2021) asserted that there was an increase in gender-based violence caused by Covid-19 pandemic stressors. The results of the study were corroborated by the assertion and findings of Mbah (2015) that Nigerian women are impoverished because of illiteracy which limited their ability to contribute meaningful to agriculture and economic development in the community. Rathgeber (2011) and Wang and Zhang (2022) have advocated the need for improved access to technology for rural women for domestic and productive work in

the community to enhance their participation in community development and this corroborated the results of the study that women were constrained by limited access to technology in the rural community during the pandemic.

#### Conclusion

The phenomenological study has explored the contributions of rural women to the sustainability. Therefore, the study has drawn the following conclusions:

- Rural women were involved in agriculture and food security value chain during the pandemic by engaging in farming activities and small-scale enterprises in the community and beyond the frontiers of their rural community without breaching the Covid-19 pandemic preventive measures instituted by the government.
- Rural women had to engage in farming and trading to get money to provide food and basic health care for their children and households to mitigate the negative impact of the pandemic on the health and nutrition of their families in the rural community.
- Rural women multitasked by working to support their families as well as staying at home to care for their children, husbands, and vulnerable people in the community hence



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there were no records of Covid-19-related sickness in the community throughout the pandemic.

- Rural women created an environment that promoted the health and wellness of the elderly in the community through traditional elderly care in spite of the constraints and setback experienced in elderly care in the community as a result of the pandemic.
- Rural women engaged in active rural entrepreneurship during the pandemic despite constraints of logistics and distribution channels to provide food for their families and contributed to the food security value chain in the society.
- Rural women experienced gender inequalities during the lockdown and the perpetrators escaped justice because of the complications of the Covid-19 pandemic.
- Rural women were hampered by illiteracy which limited their access to information that would have enhanced their opportunities to decent work, equitable remuneration, quality of life, and standard of living.
- Rural women had limited access to technology and were neither able to get online real-time information about the Covid-

19 nor coordinate their businesses effectively during the pandemic.

#### **Recommendations**

The following recommendations have been made based on the findings of the phenomenological study:

- The government at the state and local government level should priorities adult literacy among women in the rural communities through their respective agencies and in partnership with relevant tertiary institutions offering Adult Education and Community Development to enable rural women read, write and put the knowledge into the occupations
- The government should improve Agriculture Extension and Community Development programmes in the rural communities to empower smallholder farmers and increase their capacity to contribute to agriculture and food security value chain in rural communities in Southern Nigeria.
- The community leadership and community development association (CDA) should partner with the local government councils and organizations to implement corporate social responsibility (CSR) programmes on adult literacy and access to technology as well as provide infrastructure to



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enable rural women use technology to improve their lives, families, and businesses.

- The relevant agencies of government should strengthen social justice system in the rural community to combat gender-based violence against women and create deterrence through regular training of community dwellers on the consequences of crimes against women in the society.
- The government should improve the healthcare facilities in the rural areas, particularly health care programmes for the elderly and children in the community so that rural women can focus on agriculture and small-scale enterprises to contribute to food security in the country.
- The relevant agencies of government should embark on engender-based training for rural community dwellers (including men and children) to sensitize them on gender-based violence (GBV) against women and gender equalities to reduce incidences of GBV during crises such as the pandemic.
- The state and local government should build a community center within the rural community equipped with all the necessary internet enabled multimedia facilities, library, and educators to serve as information center where rural women can

use to access information about their families, businesses, and development in the society.

• The community leadership and community development association (CDA) should collaborate with relevant agencies of government and the organized private sector to set up microcredit and soft loans for rural women for smallholder agriculture and small-scale enterprises to increase their capacity to trade and compete in the market.

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