

Federal Ministry of Water Resources

Water Sanitation and Hygiene National Outcome Routine Mapping 2021

Summary of Survey Findings









Key Findings

Overview

Access to climate resilient safe drinking water, sanitation and hygiene remains a recurring challenge in Nigeria. Progress in the sector, achieved through the collaborative efforts of Government and Development Partners is often dwarfed by the growing population. While the Covid-19 pandemic and the national cholera outbreak in 2021 presented an opportunity for investment in water sanitation and hygiene, with significant focus on hand hygiene, their impact on socioeconomic activities has adversely affected gains in the WASH sector.

The 2021 WASH NORM is the third in the series of national assessments of the status of WASH Services launched in 2018, to provide reliable, comprehensive, and up-to-date WASH data to inform strategic decision making and address critical gaps in the sector. The vast amount of data collected under the WASH NORM can be used for strategic, efficient, and equitable budget allocation and use of resources; devising and implementing well-targeted, effective policies and programmes; and monitoring and reporting on progress towards achieving the global SDG 6.1 and 6.2, and in meeting national goals including the National Open Defecation Free Roadmap, Partnership for Expanded WASH (PEWASH) and National Action Plan for Revitalization of the WASH sector.

The survey collects and succinctly disaggregates WASH data across the different states and geopolitical zones, area of residence and demographic groups, gender, and wealth quintiles. In addition, it contains information on quality, dependability, and adequacy of WASH services, which are critical components of the Joint Monitoring Programme (JMP) definition of safely managed WASH services and sustainable access.

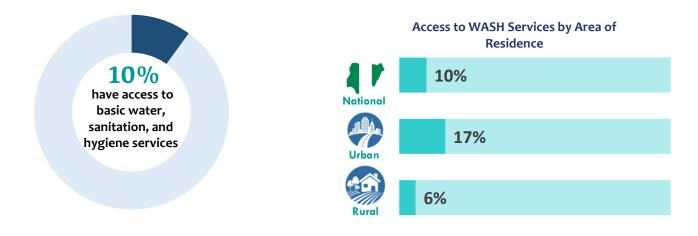
The 2021 WASH NORM was funded by the Federal Government of Nigeria and conducted under the overall leadership of the Federal Ministry of Water Resources. Technical and financial support was provided by UNICEF and the World Bank. The National Bureau of Statistics, the agency with the mandate to conduct national surveys in Nigeria, managed data collection and statistical analysis across the 36 states of the Federation and the Federal Capital Territory. This survey broadly focuses on three components: household assessments of WASH service levels, facility-based assessments of WASH infrastructure and mapping of urban water utilities. The exercise also included household expenditure parameters and water quality assessments.

This infographic summarizes the findings from the survey and complements the main report.



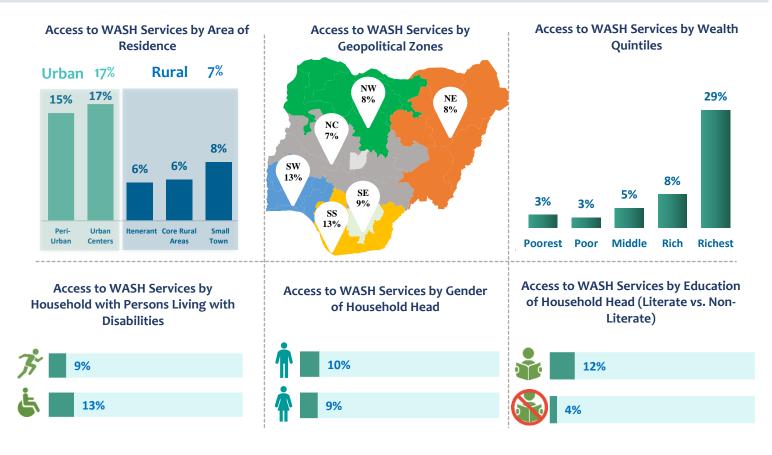
Access to Basic WASH Services in Nigeria

The overall status of the WASH Sector in Nigeria is low. Only 10% of the population have access to complete basic water, sanitation, and hygiene services, using the global JMP definitions. Those living in rural areas are three times more disadvantaged than those in urban areas.

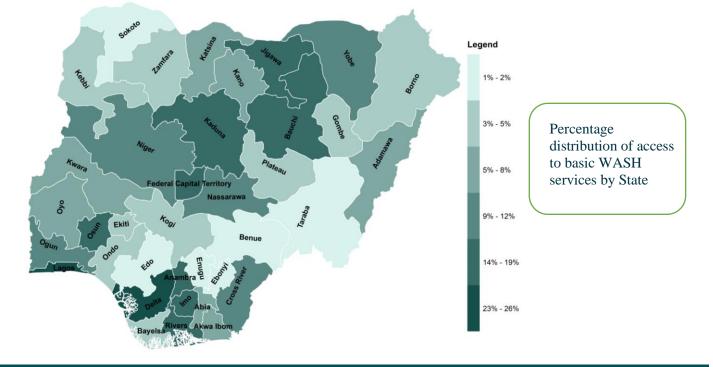


Equity in Access to Basic WASH Services

Disparities were observed in the use of basic WASH services across different areas of residence, geopolitical zones, and socioeconomic lines. The most significant disparities are related to wealth. The wealthiest households are about ten times more likely to access basic WASH Services than the poorest households.

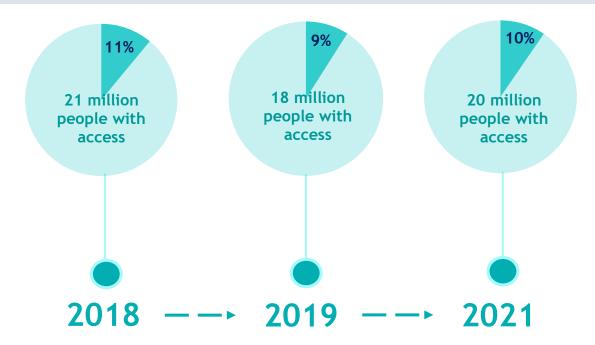


Area Value Map of Nigeria Showing Access to Basic WASH Services across States



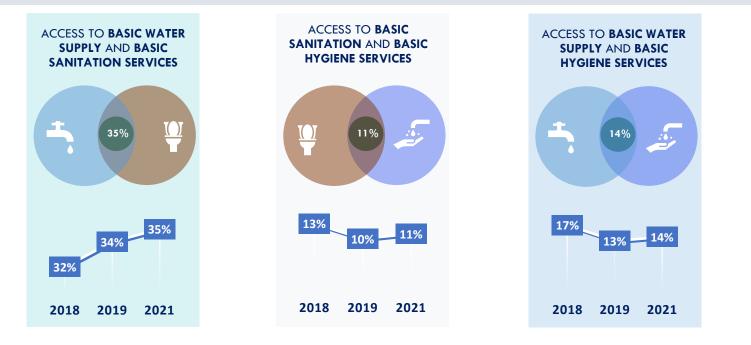
Trends in Access to Basic WASH Services

The trend shows a drop of 3 million in the number of people with access to basic WASH services from 21 million in 2018 to 18 million in 2019. However, an additional 2 million people gained access to basic WASH services between 2019 and 2021. In comparison, the population of Nigeria increased by 3 million from 198 million in 2018 to 201 million in 2019 and by an additional 5 million to 206 million in 2021. The modest gains in access to basic WASH services is dwarfed by the increasing population.



Access to Basic Water, Sanitation and Hygiene Services in Nigeria

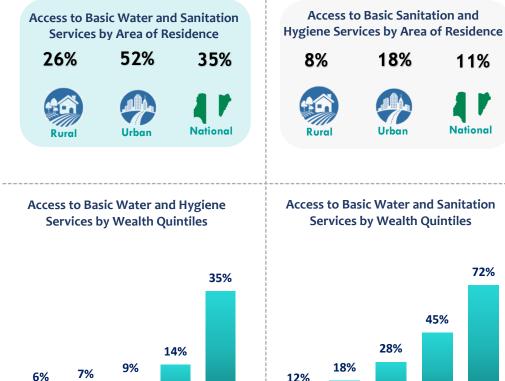
Access to different combinations of basic water, sanitation and hygiene also show an overall low WASH status in Nigeria, with WASH services more accessible to people living in urban areas and those amongst the richest wealth guintiles.

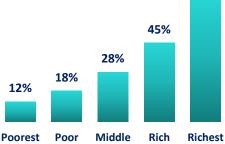


11%

National

72%





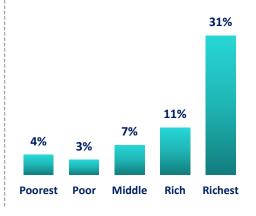
Access to Water and Hygiene Services by Area of Residence 10% 23% 14%

Urban

Rural

National

Access to Basic Sanitation and Hygiene Services by Wealth Quintiles





Poor

Middle

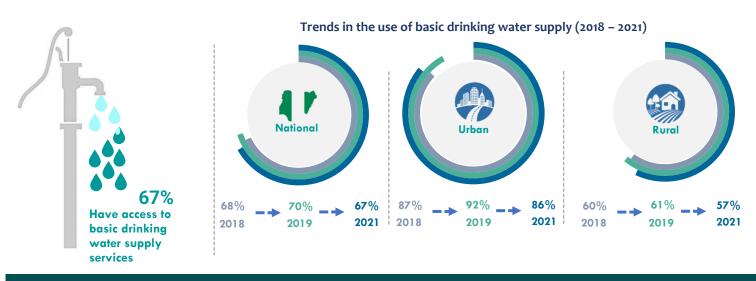
Rich

Richest

Poorest

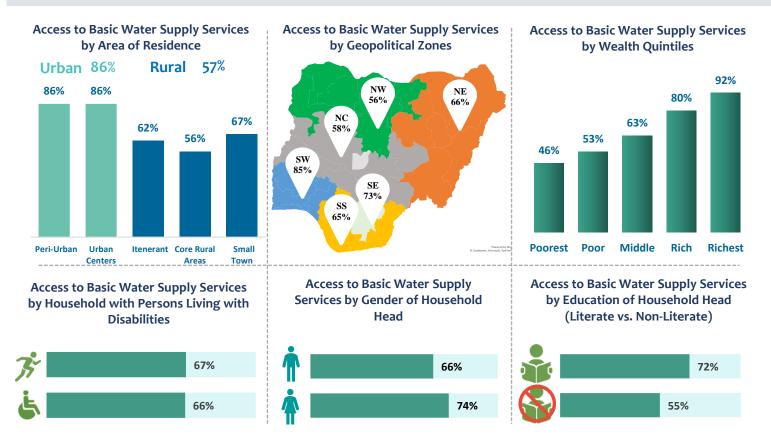
Access to Basic Drinking Water Supply Services

About 67% of Nigerians have access to basic drinking water supply services. This is a 3% decline from the 2019 WASH NORM data. This decline is also reflected amongst those living in the urban and rural areas as access level in 2019 was higher than 2021.

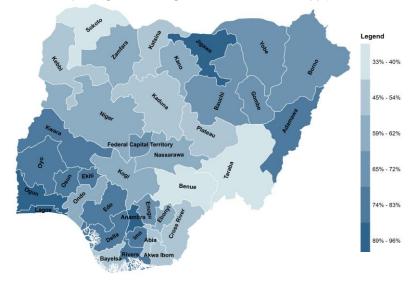


Equity in Access to Basic Water Supply Services

Access to basic water supply services amongst the richest household is twice higher than that of the poorest household. Access based on area of residence reveals that people in the rural areas have 29% less access than people in the urban areas.

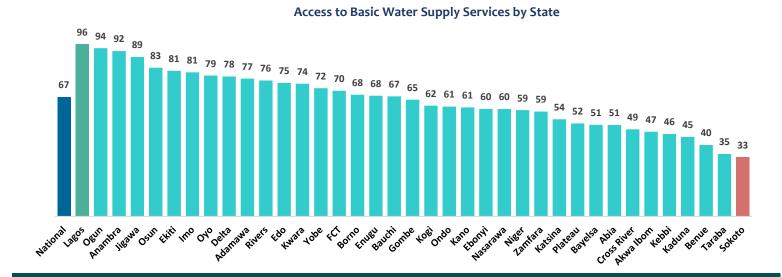


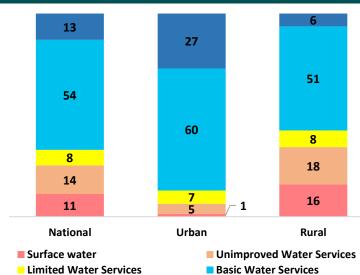
Area Value Map of Nigeria Showing Access to Basic Water Supply Services Across States



Access to Basic Water Supply Services by State

People in Lagos are three times more likely to use basic water supply than people living in Sokoto.





Water Supply Services Ladder

Limited Water Services

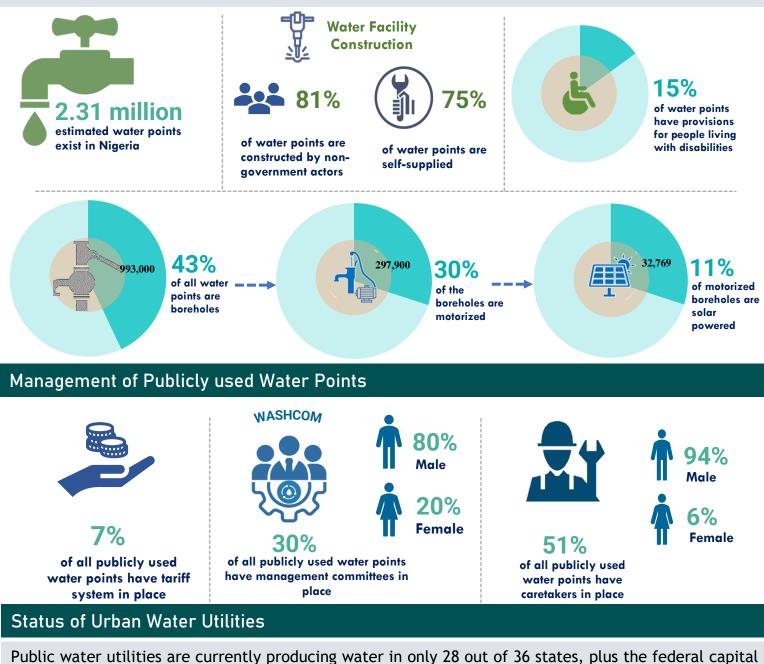
Safely Managed Water Services

	Notes: Based on WHO/UNICEF JMP definitions.	
•	Safely Managed Services are improved sources within premises, available when needed and free from fecal coliform	
•	Basic Water Services are improved drinking water sources in which collection time is not more than 30 minutes for a round trip, including queuing	
·	Limited Water Services are improved drinking water sources for which collection time exceeds 30 minutes for a round trip, including queuing	
•	Unimproved Water Services are drinking water sources from an unprotected well or unprotected spring	
•	Surface Water are drinking water sources from a river, dam, lake, pond, stream, or irrigation canal.	

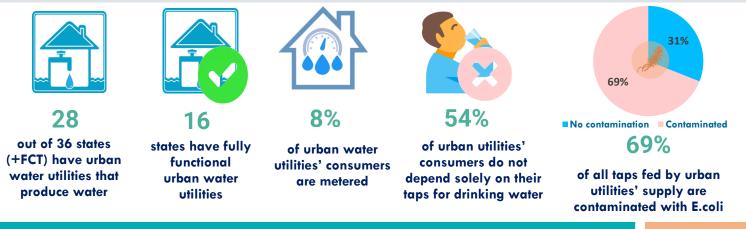
6

Characteristics of Water Supply Systems in Nigeria

There are 2.31 million water points in Nigeria, 75% are self-supplied, 43% of these are boreholes and less than one-fifth have provisions for people living with disabilities.

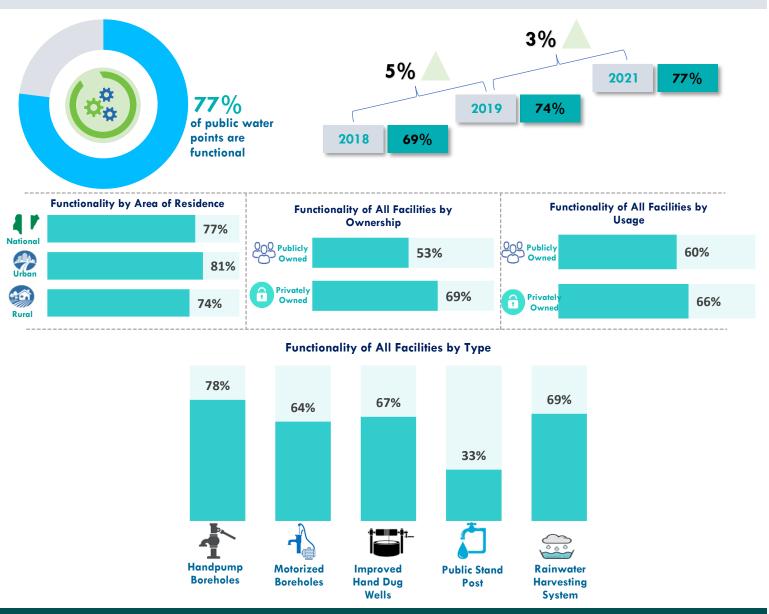


Public water utilities are currently producing water in only 28 out of 36 states, plus the federal capital territory. In 16 states, the public utilities are classified as functional, that is, consistently producing water, supplying to active consumers, and collecting user fees.



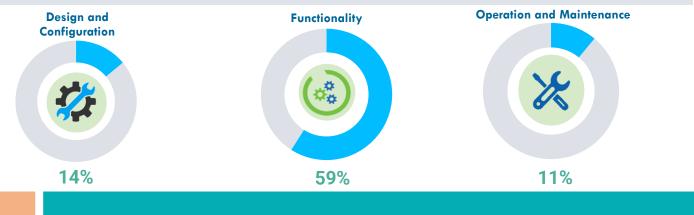
Functionality of Water Systems in Nigeria

Up to 77% of publicly owned water points are functional, an eight-percentage point cumulative increase from 2018. There are only minor disparities across area of residences, ownership, usage, and water facility type.



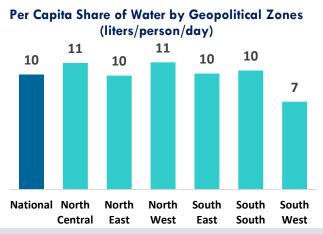
Dependability of Public Water Systems in Nigeria

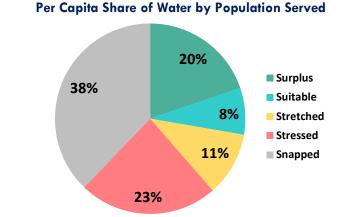
About 14% of water points are dependable with respect to their design and configuration, 59% are dependable with respect to their functionality and only 11% are dependable with respect to their operation and maintenance.



Adequacy of Water Systems in Nigeria

In rural areas, the average per capita share of drinking water is 9litres/person/day. Only 19% of the population are using water supply systems in rural areas that meet the adequacy threshold of providing "sufficient" quantities of water or a minimum of 16 liters of water per person per day for those living within 500 meters from the water system.

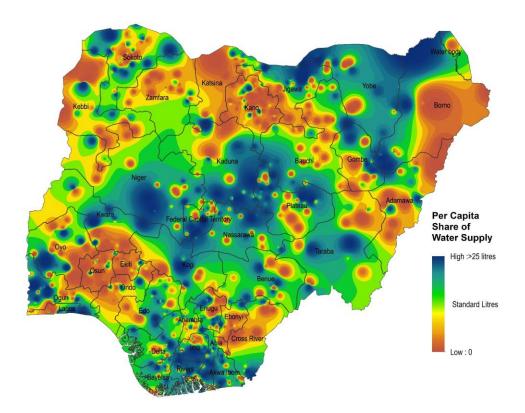




Notes:

- "Snapped" water facilities refers to systems that are not contributing to per capita share due to non-functionality
- **"Stressed"** water facilities are systems that are serving more than **three times** the population they should serve and providing **less than 5 liters** per capita share
- "Stretched" water facilities are systems that are serving about twice the population they should serve and providing between 5 and 12 liters in per capita share
- "Suitable" systems meet the prescribed per capita share in line with National Standards and providing between 12 and 16 liters in per capita share
- "Sufficient" water facilities are systems meeting the per capita share of 16 liters and above

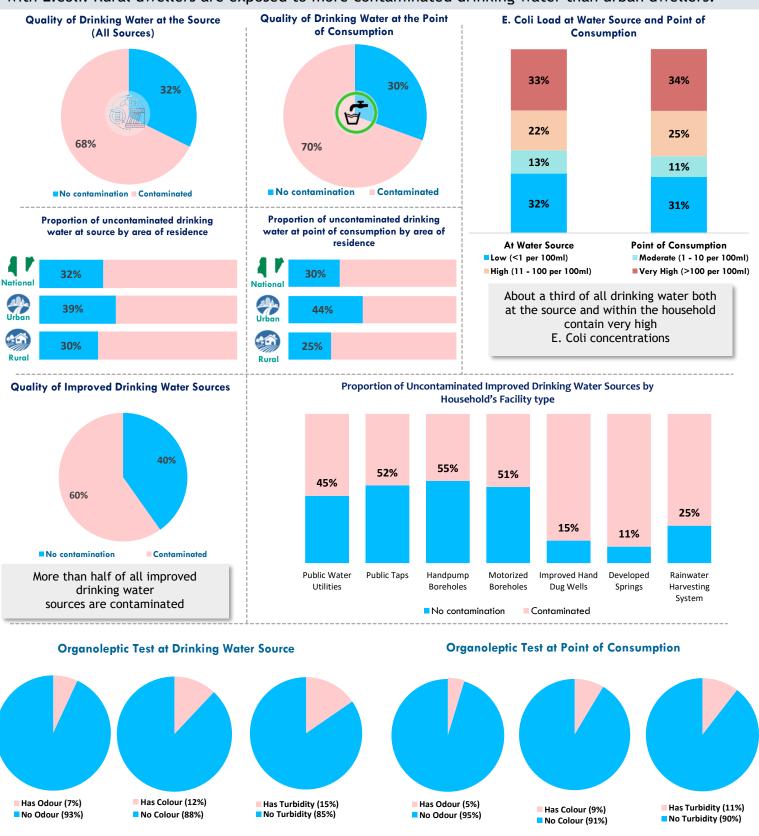
Map Showing the Per Capita Share of Water across Nigeria



Per capita share of water supply across the country. Dark blue areas represent high levels of per capita share while dark orange areas represent low levels of per capita share

Status of Water Quality in Households in Nigeria

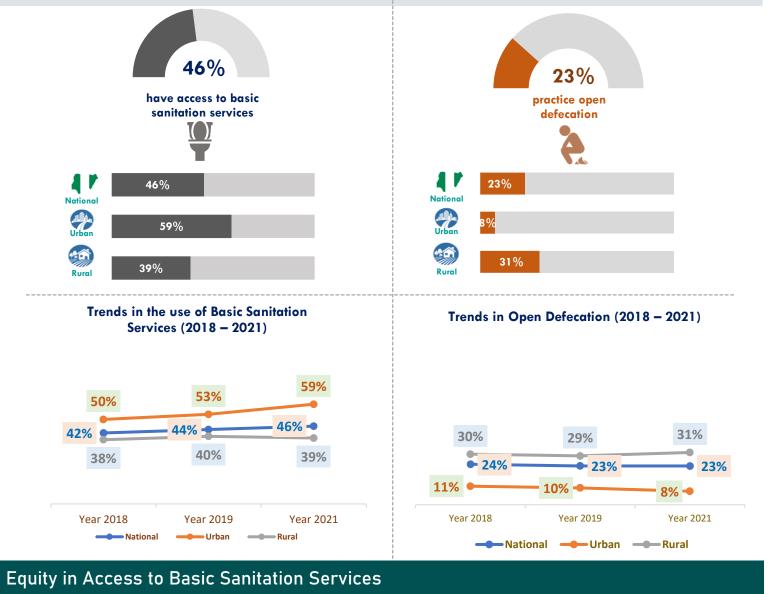
About 70% of drinking water at source and point of consumption within households are contaminated with E.coli. Rural dwellers are exposed to more contaminated drinking water than urban dwellers.

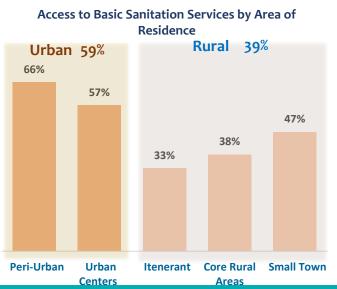


The organoleptic quality is the result of evaluating water based on smell, taste, color, and turbidity

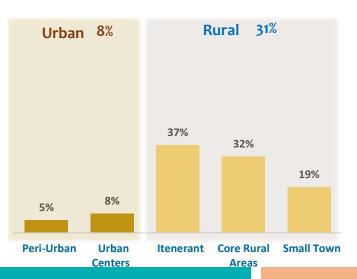
Access to Basic Sanitation Services

About 46% of the population have access to basic sanitation services, while 23% of Nigerians continue to practice open defecation. In comparison to 2019 WASHNORM data, there has been little progress in the achievement of universal access to basic sanitation services.





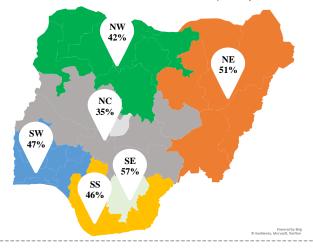
Open defecation by Area of Residence



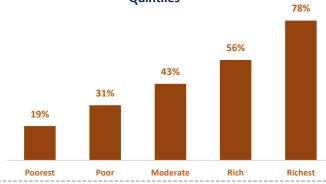
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Equity in Access to Sanitation Services





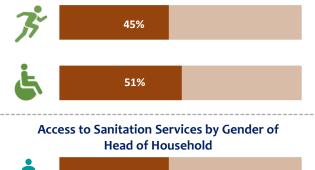


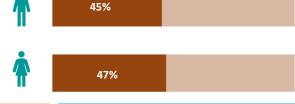


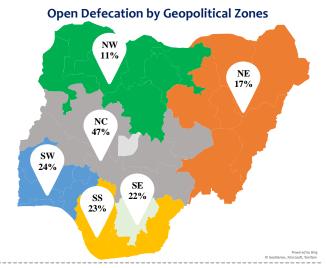


31%

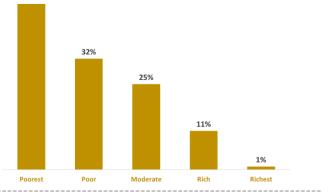
Access to Sanitation Services by Households with Persons Living with Disabilities



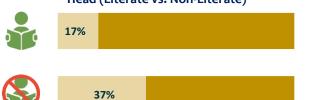




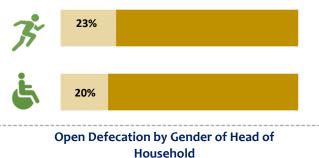
Open Defecation by Wealth Quintiles



Open Defecation by Education of Household Head (Literate vs. Non-Literate)

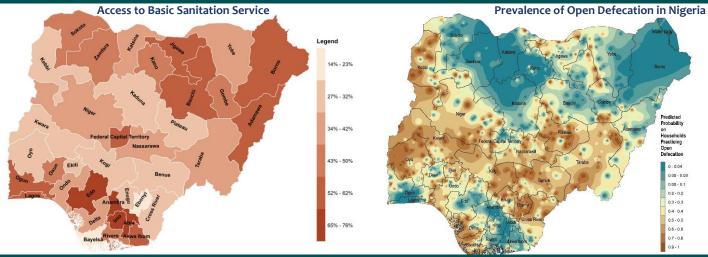


Open Defecation by Households with Persons Living with Disabilities

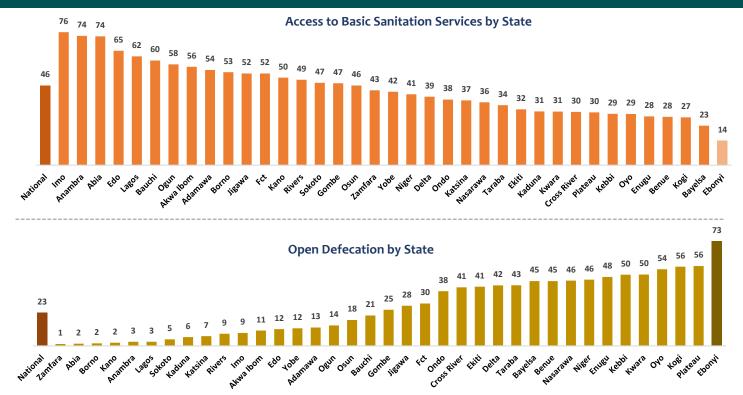




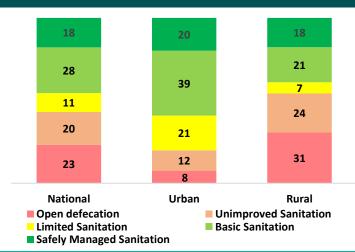
Equity in Access to Sanitation Services



Access to Sanitation Services and Open Defecation by State



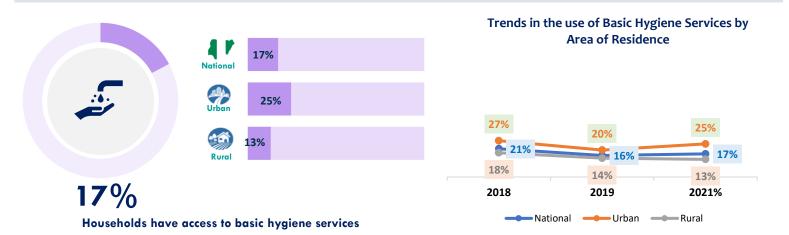
Sanitation Service Ladder



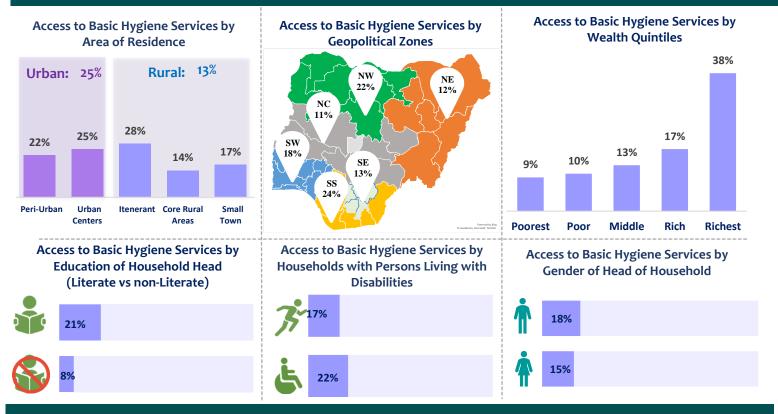
Notes: Based on WHO/UNICEF JMP definitions.	
• Safely Managed Services are improved facilities which are not shared with other households and where excretes are safely emptied and treated	
Basic Sanitation Services are improved facilities which are not shared with other households	
Limited Sanitation Services are improved facilities shared by two or more households	
• Unimproved Sanitation Services are pit latrines without a slab or platform, hanging latrines or buckets latrines	
• Open Defecation is disposal of human feces in fields, forests, bushes, open bodies of water, beaches, and other open space	

Hygiene Practices in Nigeria

About 17% of household members have access to basic hygiene services, this is a marginal increase of one percentage point when compared with 2019 WASHNORM figures.



Equity in Access to Hygiene Services



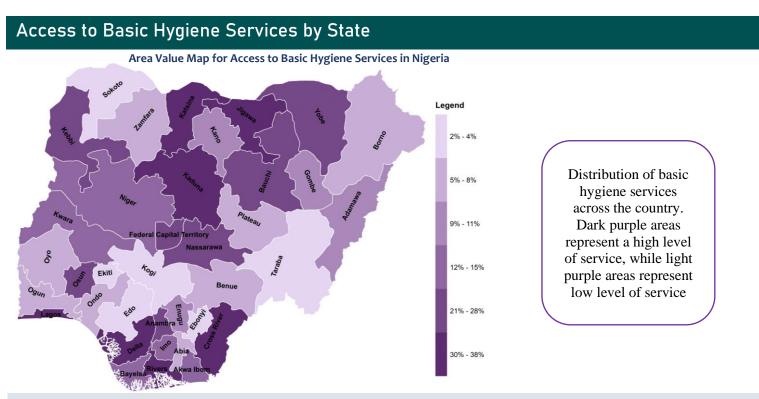
Knowledge and Practice of Handwashing



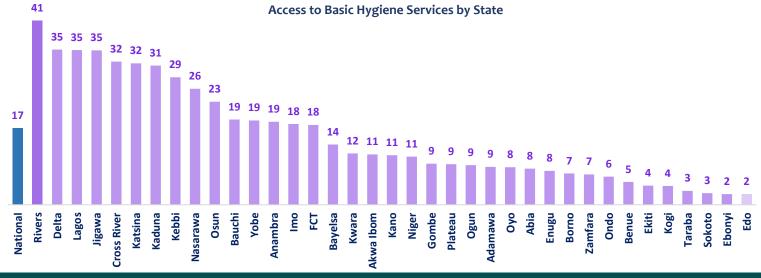
Heads of households have knowledge of at least 2 critical times for handwashing



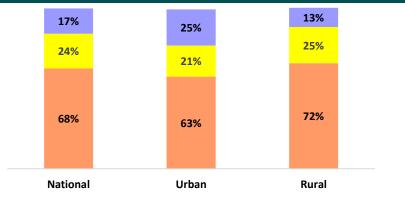
Heads of households demonstrated proper handwashing with water and soap under running water



People in Rivers State (41%) are 20 times more likely to have access to basic hygiene services than people in Edo State at 2%.



Hygiene Service Ladder



No facility Limited Hygiene Services Basic Hygiene Services

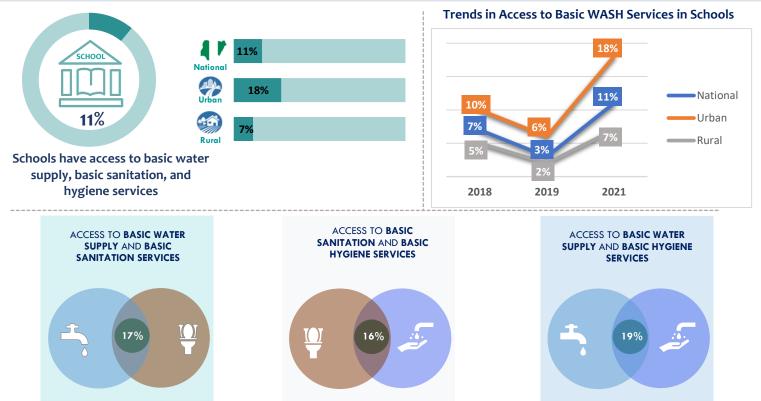
Notes:

Based on WHO/UNICEF JMP definitions.

- Basic Hygiene Services where handwashing facility is available on premises and with soap and water
- Limited Hygiene Services
 where handwashing facility is available
 on premises without soap and water
- No Facility where there is no handwashing facility on premises

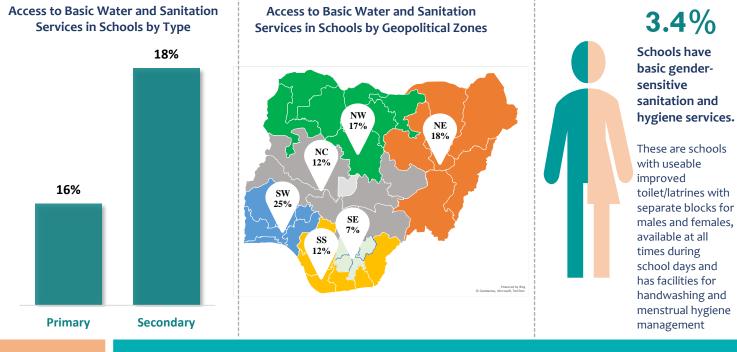
WASH in Schools

Only 11% of schools have basic water supply, sanitation, and hygiene services. At 18%, schools in urban areas are about twice as likely to have access to basic water supply, sanitation, and hygiene services than schools in the rural areas at 7%.



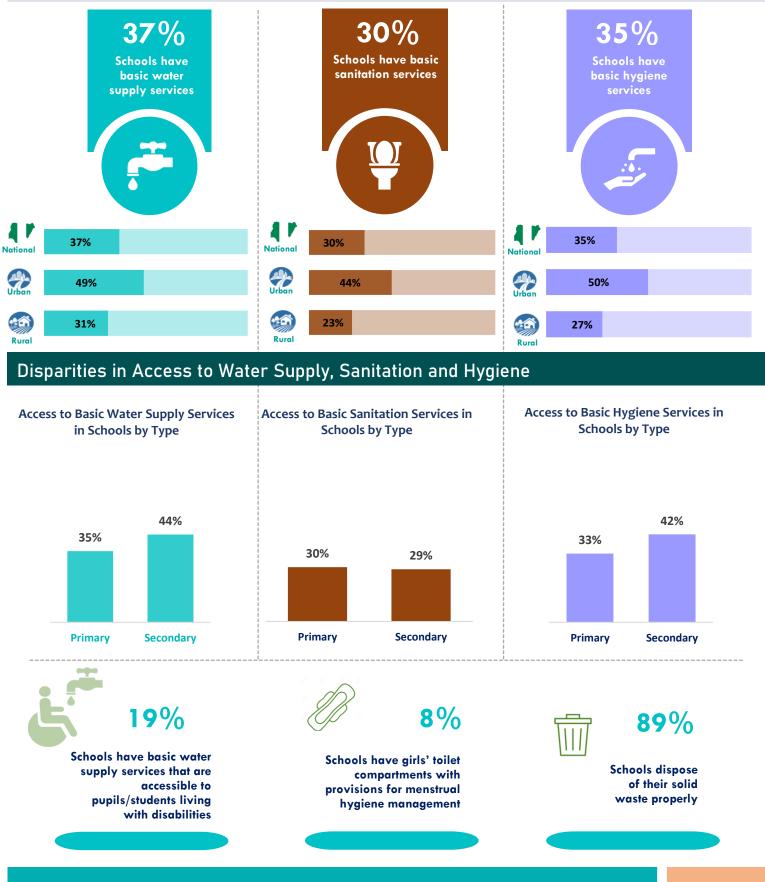
Disparities in Access to Water and Sanitation Services in Schools

Primary schools are more disadvantaged in access to basic water and sanitation services than secondary schools. Schools in the South-south and North-west are more likely to have access to basic water and sanitation services compare to other regions of the country.



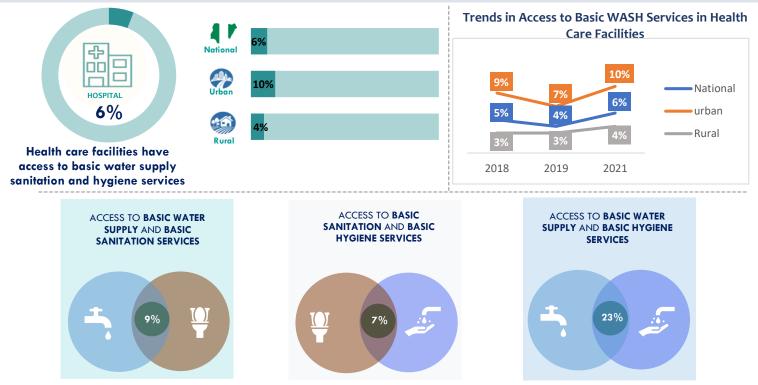
Access to Water Supply, Sanitation and Hygiene Services in Schools

Less than half of all schools in Nigeria have access to basic water supply, sanitation, and hygiene services. Schools in urban areas are more like to have access to basic WASH services than schools in the rural areas, while secondary schools have more access than primary schools.



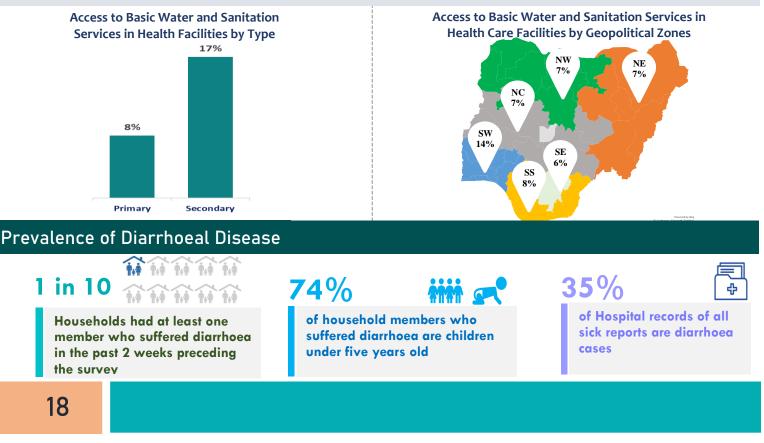
WASH in Health Facilities

Only 6% of health care facilities have basic water supply, sanitation, and hygiene services. At 10%, health care facilities in urban areas are twice as likely to have access to basic water supply, sanitation, and hygiene services than health care facilities in the rural areas.



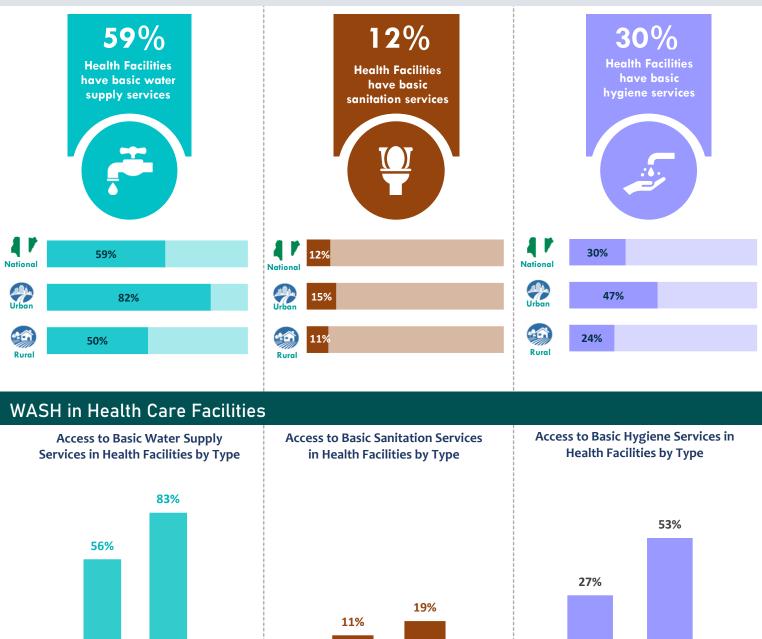
Disparities in Access to Water and Sanitation Services in Health Care Facilities

Primary Health Facilities are more disadvantaged in access to basic water and sanitation services than secondary facilities. Access to basic water and sanitation services is generally low across all geopolitical zones.



Access to Water Supply, Sanitation and Hygiene Services in Health Facilities

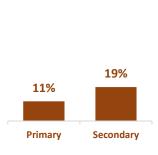
More than half of health facilities in Nigeria have basic water supply services, 1 in 10 (12%) health facilities have access to basic sanitation services and nearly one-third of health facilities have access to basic hygiene services. Health facilities in rural areas are more disadvantaged in access to WASH Services than their counterparts in urban areas.



Primary Secondary

2% Health facilities have improved water supply facility within the premises that are accessible to

persons living with disabilities





Health facilities have improved sanitation facility that are accessible to persons living with disabilities

Secondary

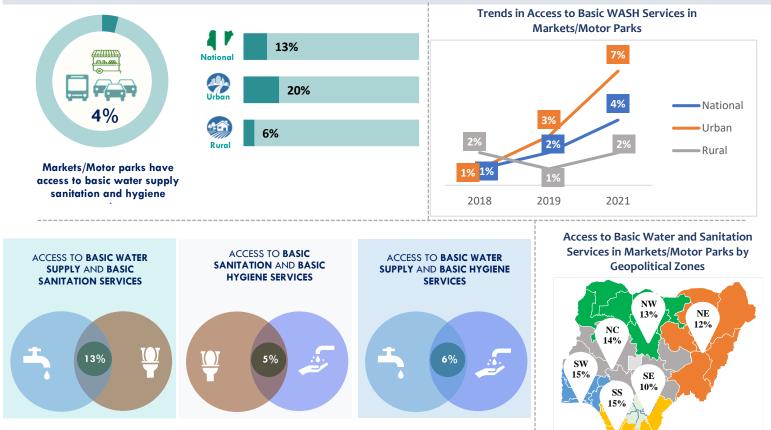
Primary

Health facilities have their garbage/waste separated into at least three labelled bins in the consultation areas and safely disposed

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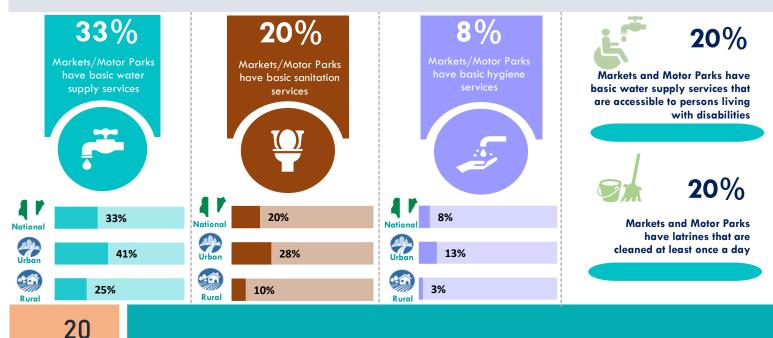
WASH in Markets and Motor Parks

Only 4% of markets and motor parks have basic water supply, sanitation, and services. At 7%, markets and motor parks in urban areas are four times more likely to have access to basic water supply, sanitation, and hygiene services than those in rural areas.



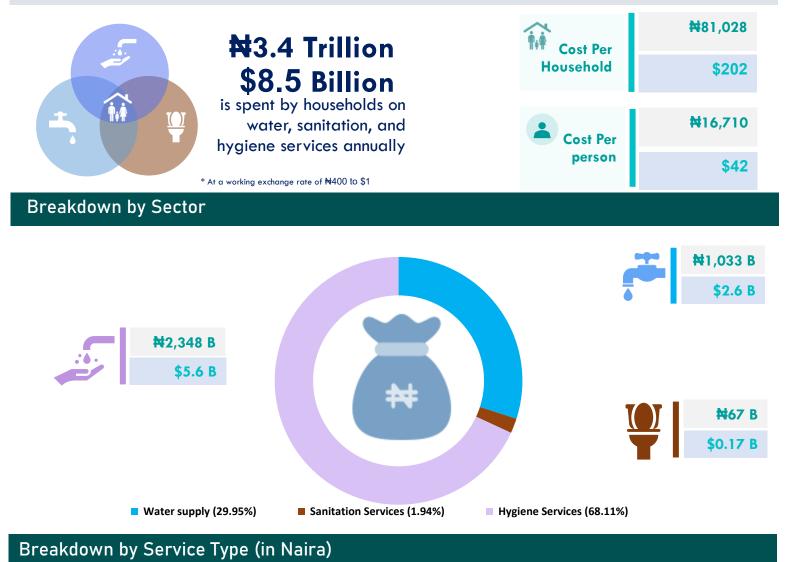
Access to Water Supply, Sanitation and Hygiene Services in Markets/Motor Parks

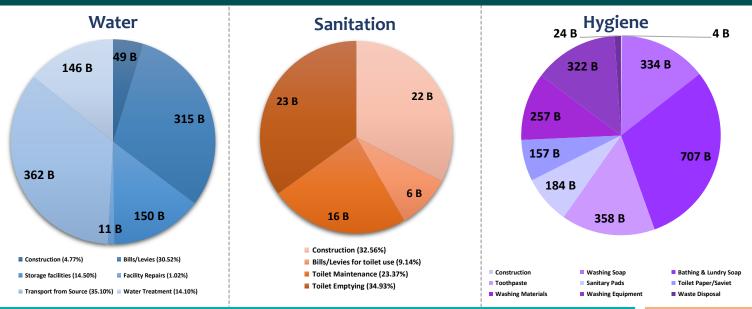
About one-third of the markets and motor parks in Nigeria have basic water supply services, 1 in 5 have access to basic sanitation services and only 8 per cent have access to basic hygiene services. Markets and Motor parks in rural areas are more disadvantaged in access to WASH services than their counterparts in urban areas.



Household Expenditure on WASH

Households in Nigeria spent approximately ₦3.4 trillion or \$8.5 billion annually, on water, sanitation, and hygiene services in 2019 and 2020 (the two years recall period covered by the WASH Account Survey).





21



Federal Ministry of Water Resources

