PMA2020 uses innovative mobile technology to support low-cost, rapid-turnaround surveys to monitor key indicators for family planning and water, sanitation and hygiene (WASH). The project is implemented by local university and research organizations in 10 countries, deploying a cadre of female resident enumerators trained in mobile-assisted data collection. PMA2020/Nigeria was carried out in Lagos and Kaduna states in 2014 and 2015, and in seven states in 2016 for round 3 (Anambra, Kaduna, Kano, Lagos, Nasarawa, Rivers and Taraba). PMA2020/Nigeria is led by the Centre for Research, Evaluation Resources and Development (CRERD) and Bayero University Kano (BUK). The survey is endorsed and supported by the Federal Ministry of Health, the National Population Commission, the National Bureau of Statistics, and the State Ministries of Health. Overall direction and support is provided by the Bill & Melinda Gates Institute for Population and Reproductive Health at the Johns Hopkins Bloomberg School of Public Health through a grant by the Bill & Melinda Gates Foundation.

For more information on PMA2020 please visit http://www.pma2020.org.

Select Water, Sanitation & Hygiene (WASH) Indicators

Most of the population lives in households that rely on one water source for their drinking water needs. The wealthiest households tend to have more options compared to the poorest households.

### Number of Household Drinking Water Sources

<table>
<thead>
<tr>
<th>Number of Household Drinking Water Sources</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3 or more</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent of household population</td>
<td>0</td>
<td>10</td>
<td>40</td>
<td>60</td>
</tr>
</tbody>
</table>

### Reliability of Main Household Water Source

<table>
<thead>
<tr>
<th>Intermittent (Predictable)</th>
<th>Intermittent (Unpredictable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent population with improved water source as main water source</td>
<td>0</td>
</tr>
</tbody>
</table>

Among household residents whose main water source is improved, the majority report that it is always available.

### Household Use of Drinking Water Sources

- **Piped to Dwelling/Yard**
- **Public Tap/Standpipe**
- **Tubewell**
- **Protected Dug Well**
- **Protected Spring**
- **Rainwater**
- **Bottled Water**
- **Unprotected Dug Well**
- **Unprotected Spring**
- **Tanker Truck**
- **Cart with Small Tank**
- **Surface Water**
- **Sachet Water**

Households identify one source as the main drinking water source. A regular drinking water source is used at least a few times a week for a season of the year. The most commonly used drinking water sources in Anambra are sachet water, tubewells, and bottled water.

### Household Access to Dedicated Handwashing Station

- **Observed soap and water 16.6%**
- **Observed water only 3.2%**
- **Observed soap only 0.9%**
- **Unable to observe soap or water 4.0%**

25% of households in Anambra can access a dedicated handwashing station. 17% of all surveyed households had a dedicated hand washing station with soap and water at the station at the time of the interview.
The PMA2016/Anambra-R1 survey used a two-stage cluster design with urban-rural as strata. A sample of 41 enumeration areas (EAs) was drawn from the National Population Commission’s master sampling frame. In each EA households and private health facilities were listed and mapped, with 35 households randomly selected. Households were surveyed and occupants enumerated. The final sample included 1,378 households with a total population of 5,493. Data collection was conducted between May and June 2016. The definitions of improved and unimproved water sources and sanitation facilities follow the definitions used in the 2013 Nigeria Demographic and Health Survey.

The vast majority of the population in Anambra reports using only one sanitation option. This sanitation option may include an improved, unshared facility, or various unimproved options: shared, non-improved, or the practice of open defecation.

Open defecation is more common in rural than urban areas. A higher percent of the household population reports open defecation as a regular rather than main practice. The overall prevalence of open defecation practice is higher than that implied by the main practice indicator.