



# NIGERIA

## NATIONAL HIV SURVEILLANCE REPORT

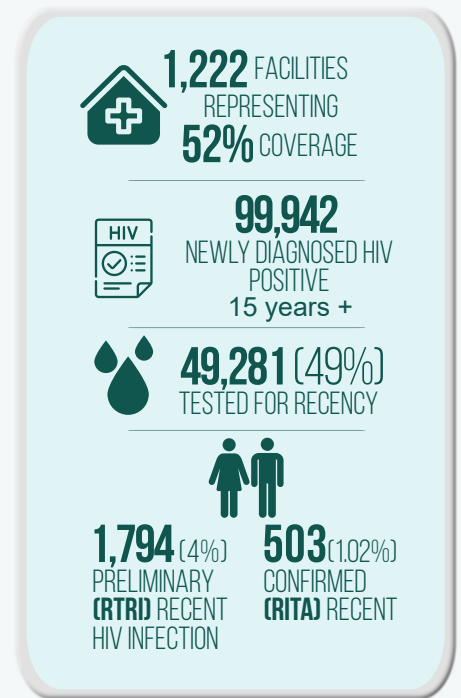
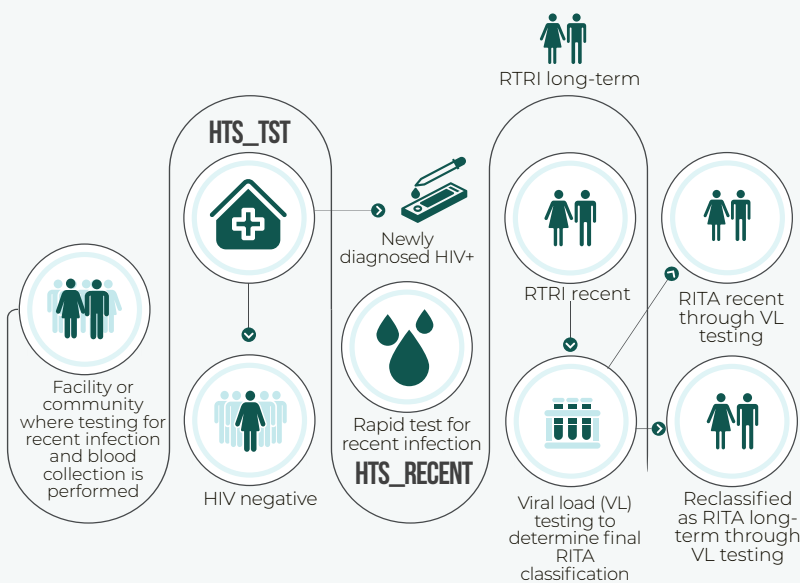
### Annual Report 2023

Data is for January - December 2023 and was downloaded from the NDR on 20 January 2024

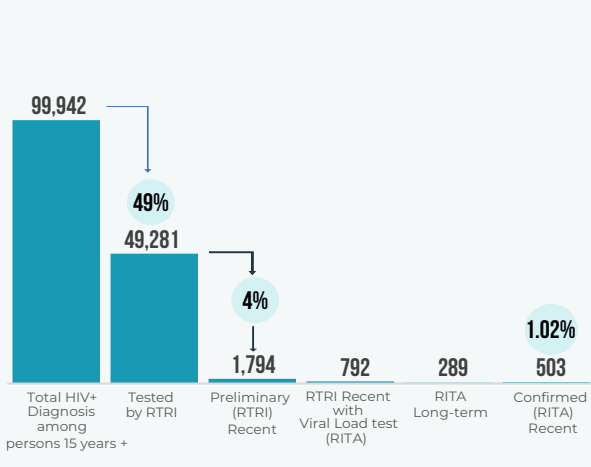
## OVERVIEW

HIV Surveillance is the ongoing systematic collection, analysis, interpretation, and use of data to improve health determinants and disseminate information regarding HIV/AIDS related events. In Nigeria, data is collected from client-centred monitoring throughout the cascade of clinical care to guide the national response and understand the trend of the epidemic. As Nigeria approaches epidemic control, three surveillance activities have been key in tracking the epidemic: HIV-1 Recent Infection Surveillance, Case-based Surveillance (CBS), and Mortality Surveillance (MS).

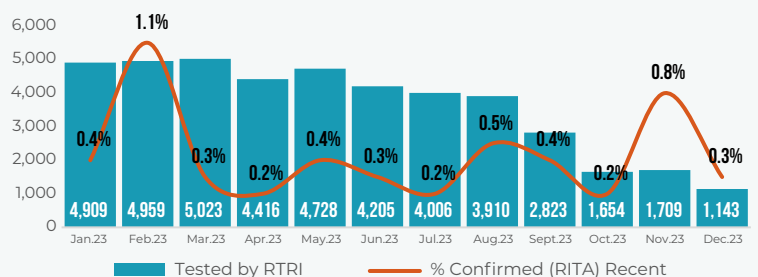
## HIV-1 RECENT INFECTION SURVEILLANCE



The chart below summarizes HIV-1 Recent Infection Surveillance in 1,222 activated facilities and it displays the number of clients with new HIV+ diagnosis, number of HIV+ clients who had RTRI, and number of RTRI recent clients who had viral load confirmation for RITA.

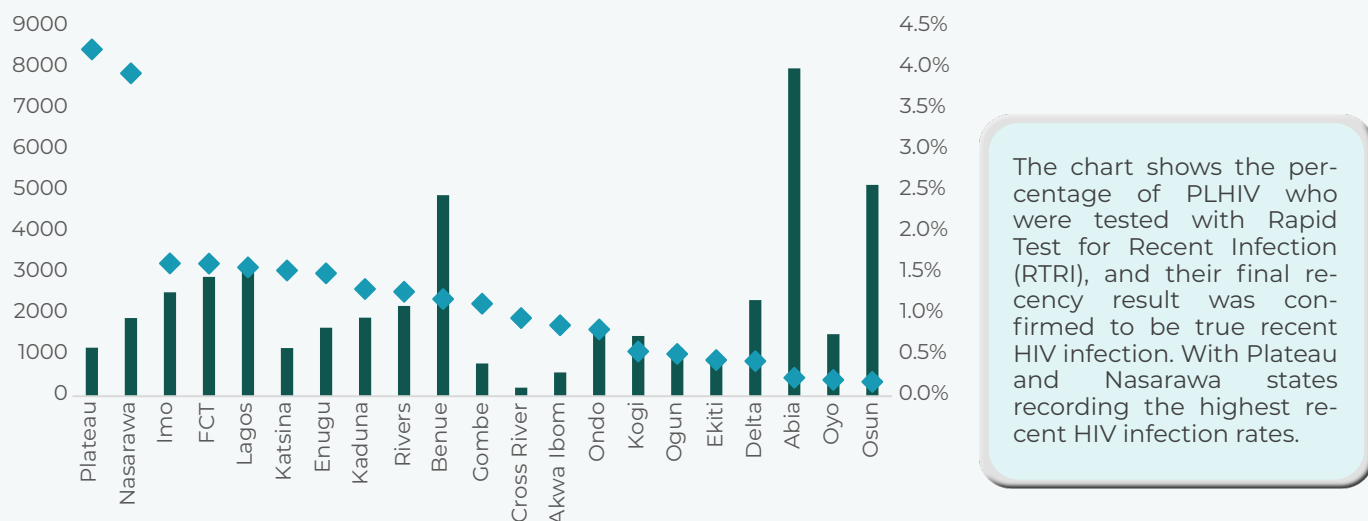


**Figure 1**  
HIV-1 Recent Infection Surveillance Cascade in 2023

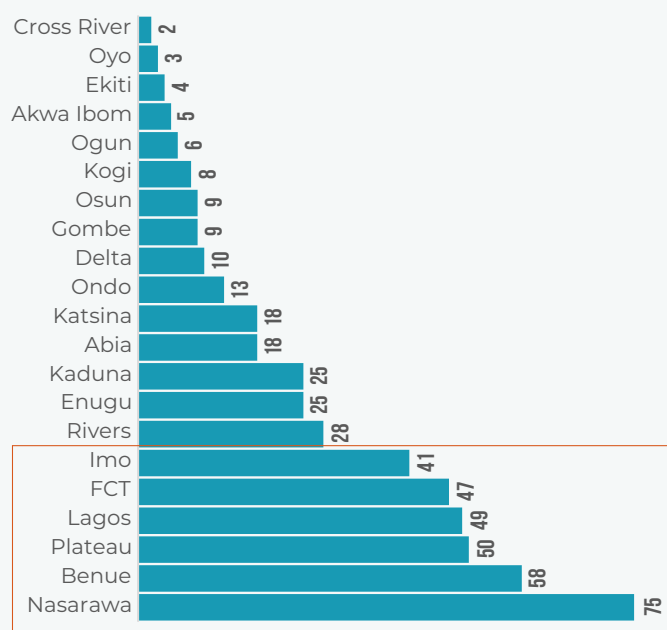


The chart above shows the HIV recent infection trend for the period January 2023 to December 2023. It shows the percentage of clients tested with rapid test for recent infection and have been confirmed recent.

**Figure 2**  
Confirmed recent infection in 2023

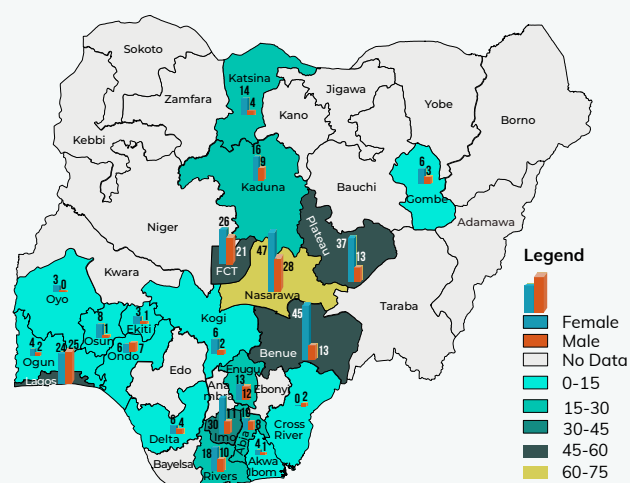


**Figure 3**  
Percentage of clients tested by RTRI who are confirmed recent in 2023.



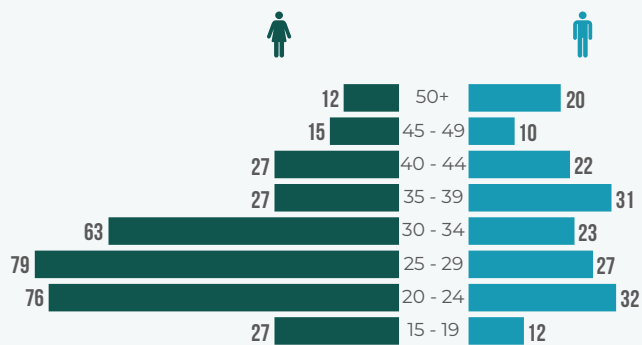
The chart above shows the number of confirmed recent infection cases by States. Nasarawa tops the list followed by Benue and Plateau.

**Figure 4a**  
Confirmed Recent cases by State in 2023.



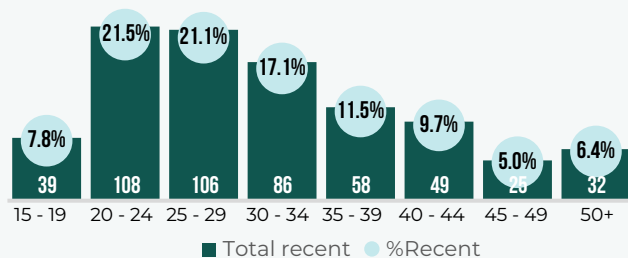
The above map shows the distribution of confirmed (RITA) recent infections from January 2023 to December 2023 by sex disaggregation. Nasarawa, Benue, Plateau, FCT and Lagos are leading in the number of HIV recent infections.

**Figure 4b**  
Geographical Distribution of Confirmed (RITA) recent Infections in 2023.



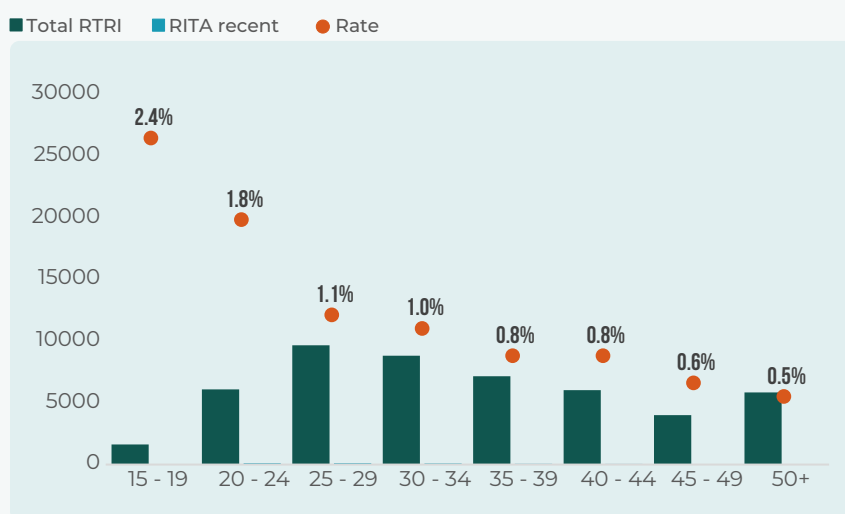
The figure above shows the distribution of confirmed recent infection cases by age and sex in 2023.

**Figure 5a**  
Recent infection by age and sex in 2023



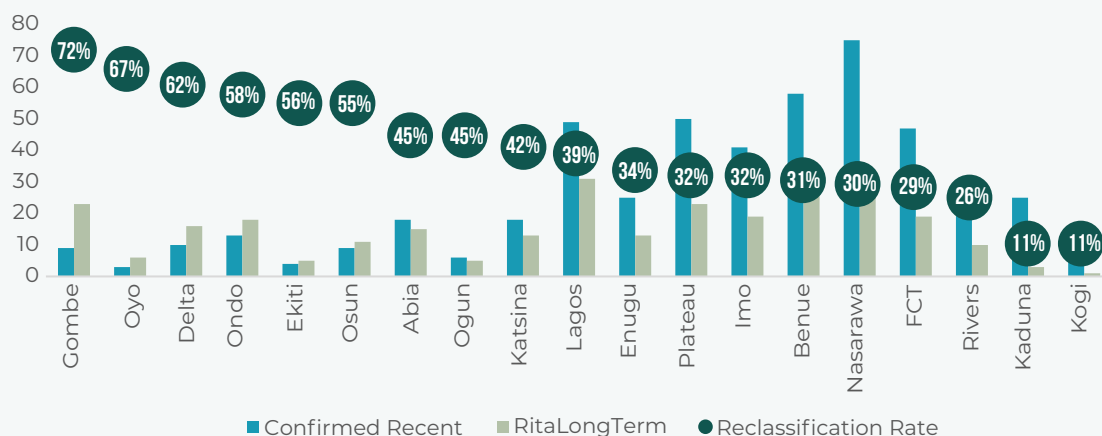
The chart above represents the percentage of recent infection cases by age distribution.

**Figure 5b**  
Percentage of Recent Infections by Age in 2023

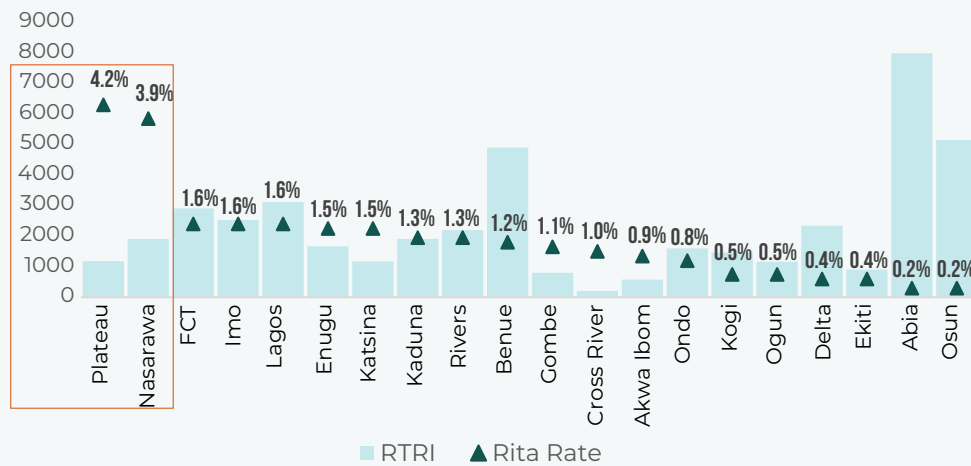


The percentage of RITA recent increases as age band decreases as seen in the chart above. More so, the percentage of RITA recent is lowest amongst the age band 50 and above.

**Figure 6**  
The proportion of confirmed recent infections by age in 2023



**Figure 7**  
Reclassification rate by states in 2023

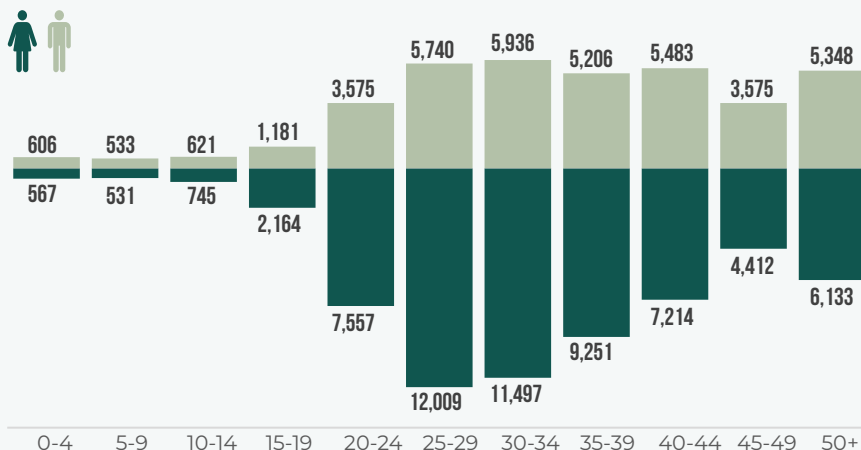


Even though Abia, Osun and Benue state recorded more numbers in Rapid Test for Recent Infections conducted, Plateau and Nasarawa state has the highest tested recent infection rate.

**Figure 8**  
RITA Rate by state in 2023

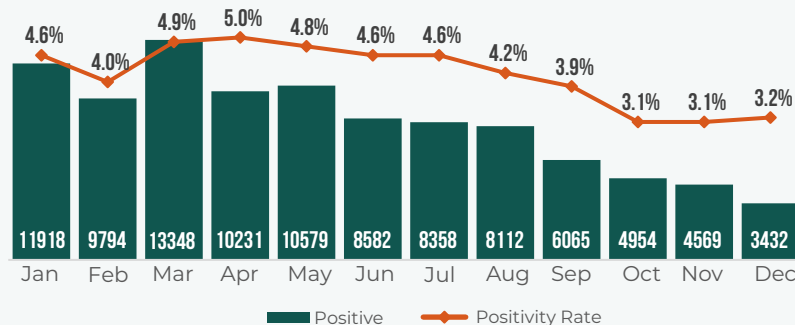
## CASE-BASED SURVEILLANCE

Case-based Surveillance systematically continuously collects data on demographic and health events (sentinel events) about clients with HIV infection from diagnosis and routine clinical care to final outcomes. This data is used to characterize the HIV epidemic and guide program improvement.



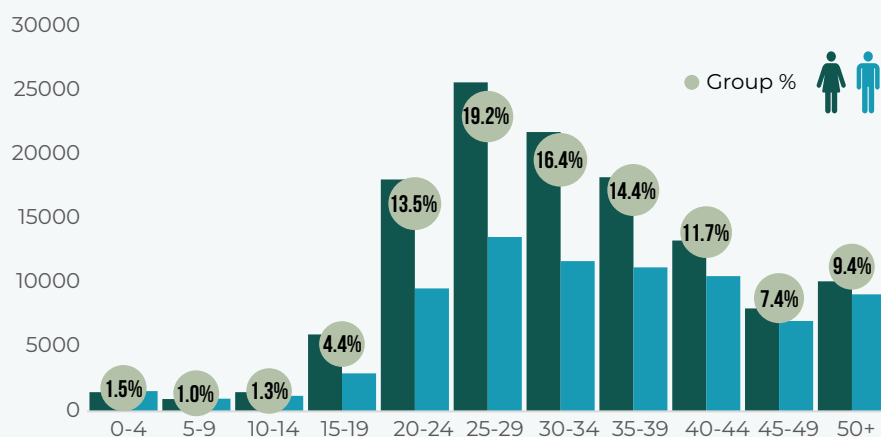
The data presented in the chart indicates a higher number of newly diagnosed HIV-positive cases among the female population. Additionally, within the age group analysis, individuals aged **25-29** years exhibited the highest incidence of newly identified HIV cases.

**Figure 9a**  
Number of clients newly diagnosed with HIV+ in 2023



The positivity rate decreased in the last four months of the year.

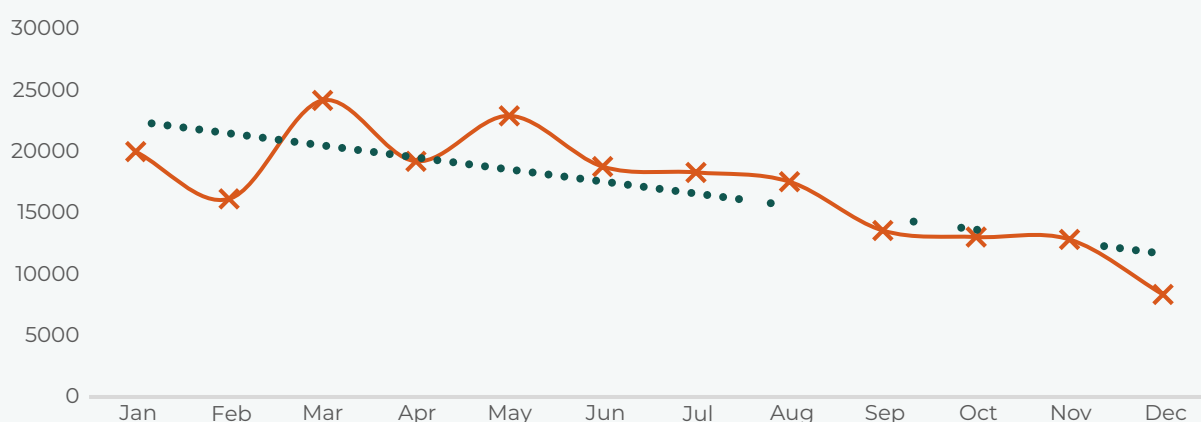
**Figure 9b**  
Trend of newly diagnosed HIV+ clients and their positivity rate in 2023.



This chart shows the number of clients who tested HIV+ and commenced treatment (linkage) from January to December 2023. The number of clients who commenced treatment is highest in the **25-29** age band (**19.2%**) closely followed by age band **30-34** with (**16.4%**), the lowest is amongst the age band **5-9** (**1.0%**).

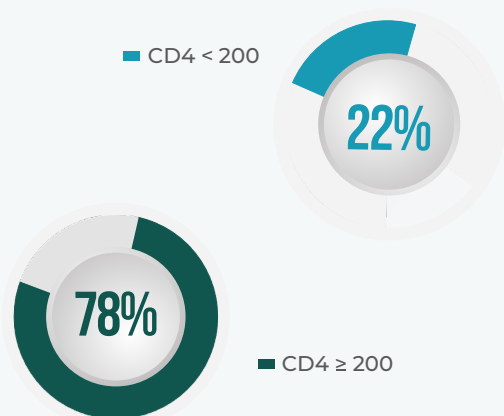
**Figure 10a**

The number of clients started on treatment in 2023



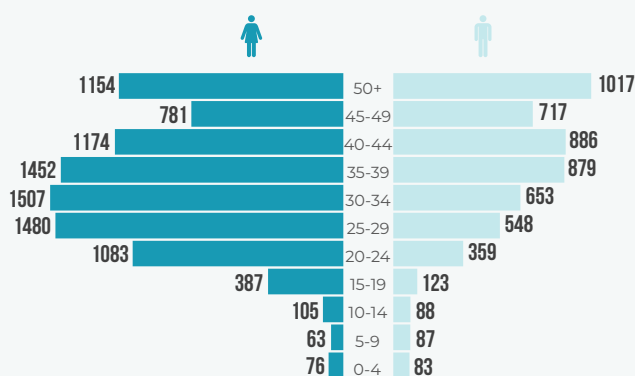
**Figure 10b**

Trend of clients started on ART in 2023



**Figure 11a**

Clients CD4 COUNT <200 and ≥ 200 at initiation for clients with documented CD4 results in 2023.

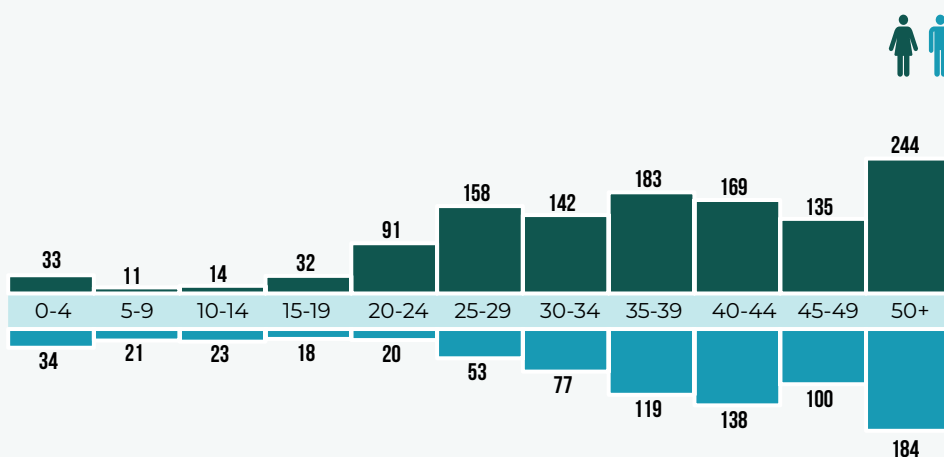


**Figure 11b**

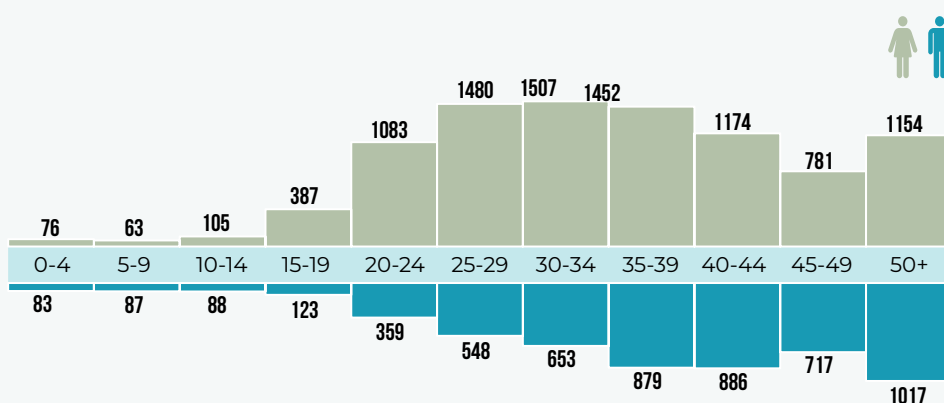
Clients CD4 COUNT <200 and ≥ 200 at initiation for clients with documented CD4 results disaggregated by age and sex in 2023.



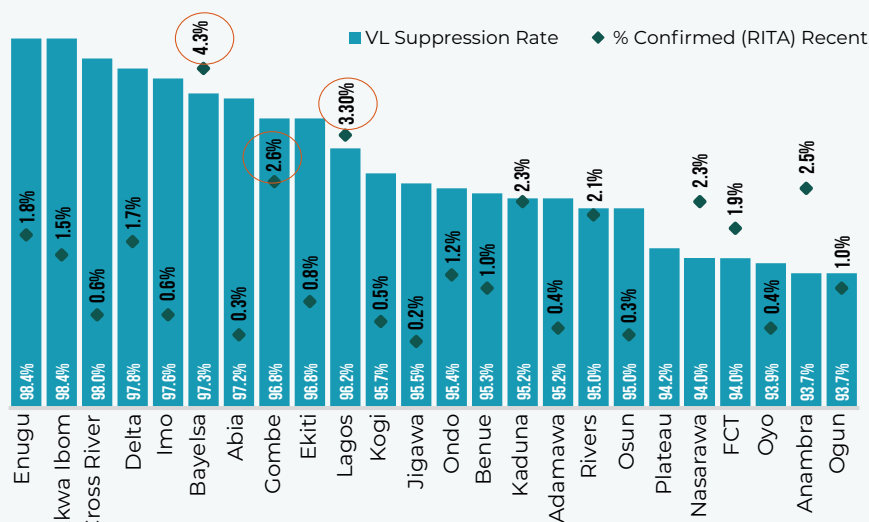
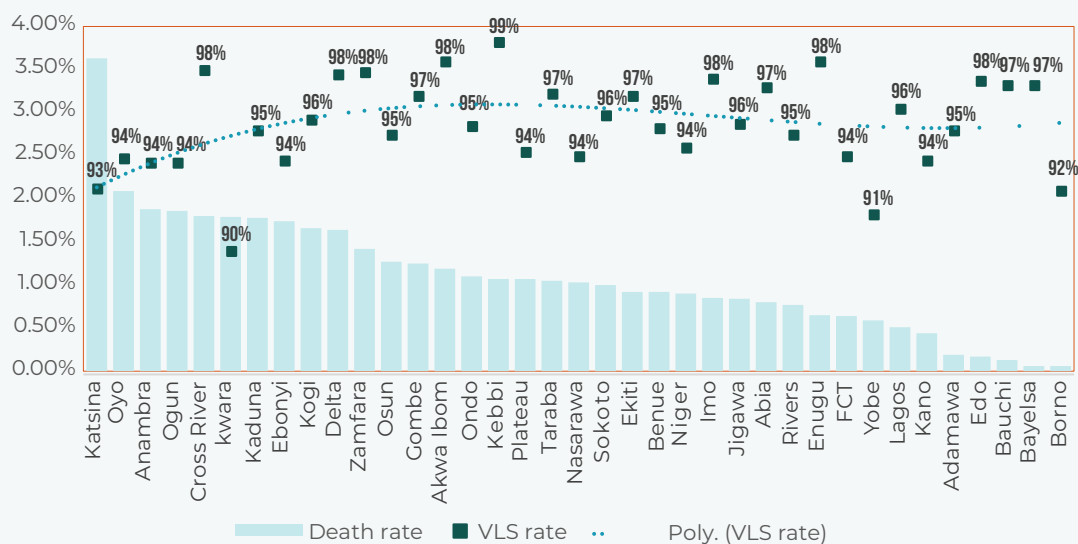
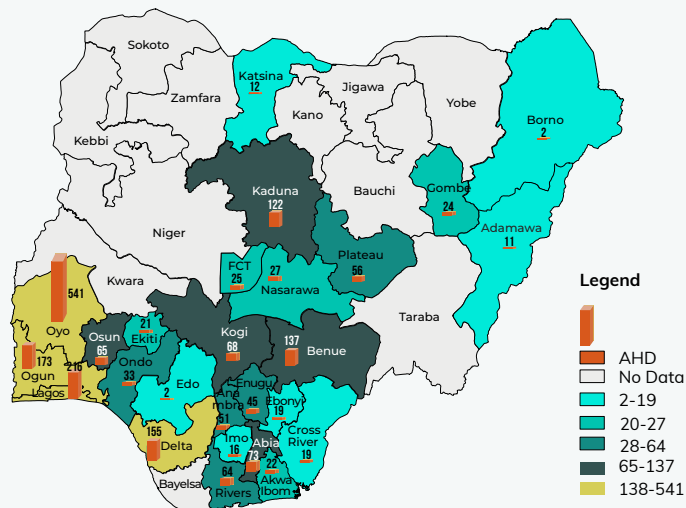
**Figure 12a**  
Distribution of Advanced HIV Disease (WHO stage III and IV HIV disease, CD4 less than 200 and children under five) by age and sex in 2023.



**Figure 12b**  
WHO Clinical stage III and IV by age and sex in 2023

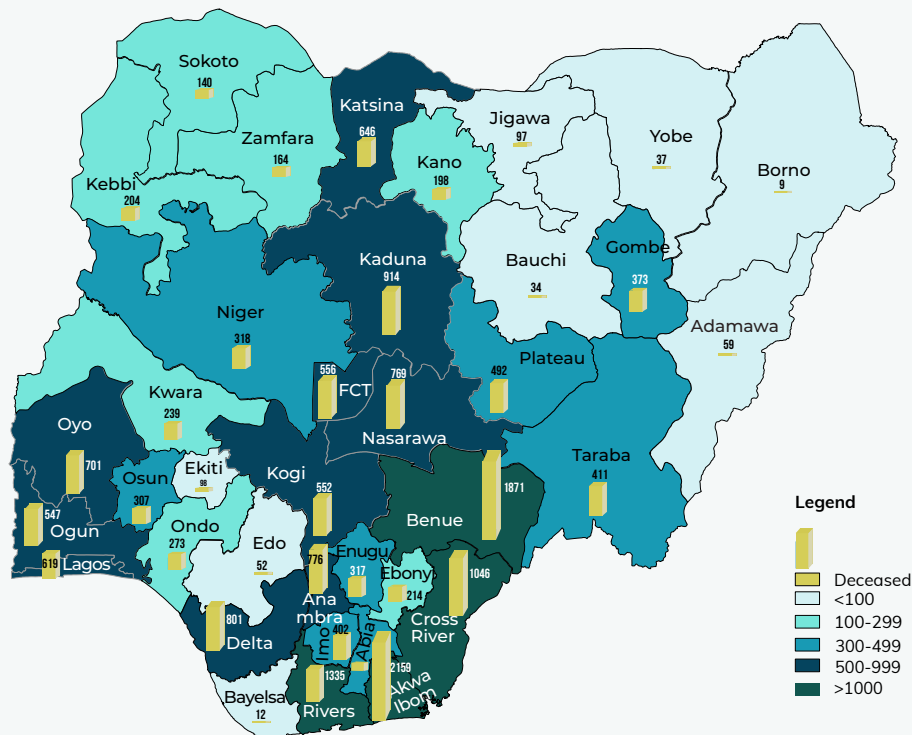


**Figure 12c**  
Clients CD4 Count less than 200 at ART initiation in 2023



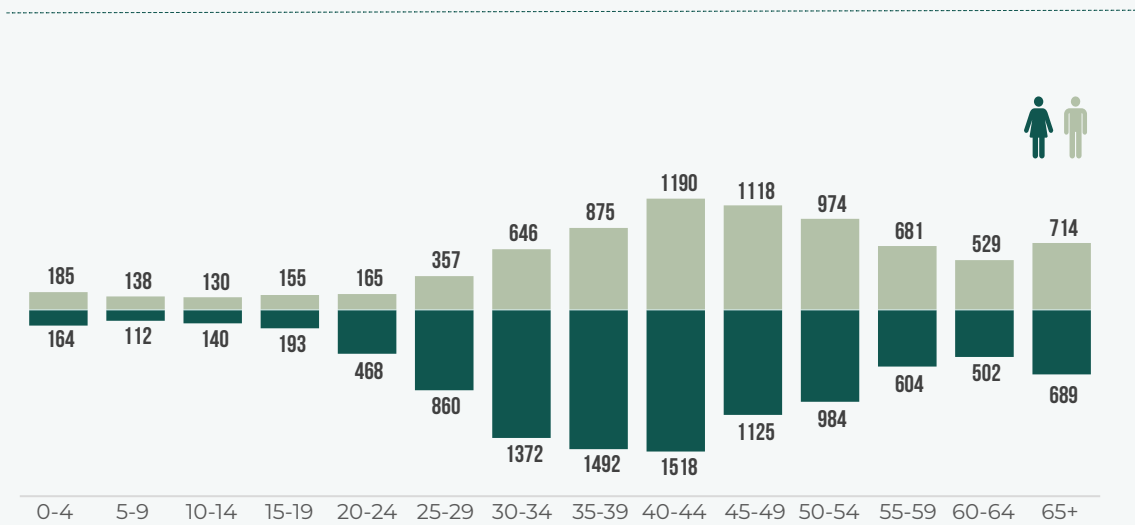
## MORTALITY SURVEILLANCE

Mortality surveillance aims to determine the distribution and patterns of leading causes of death among people living with HIV (PLHIV) on treatment and the use of this information to reduce preventable deaths. The 2016 WHO Verbal Autopsy (VA) instrument is administered to eligible and consenting primary caregivers (usually a family member) who were with the deceased in the period leading to death. Data collected from VA is then uploaded to SmartVA analyze to generate the cause of death.



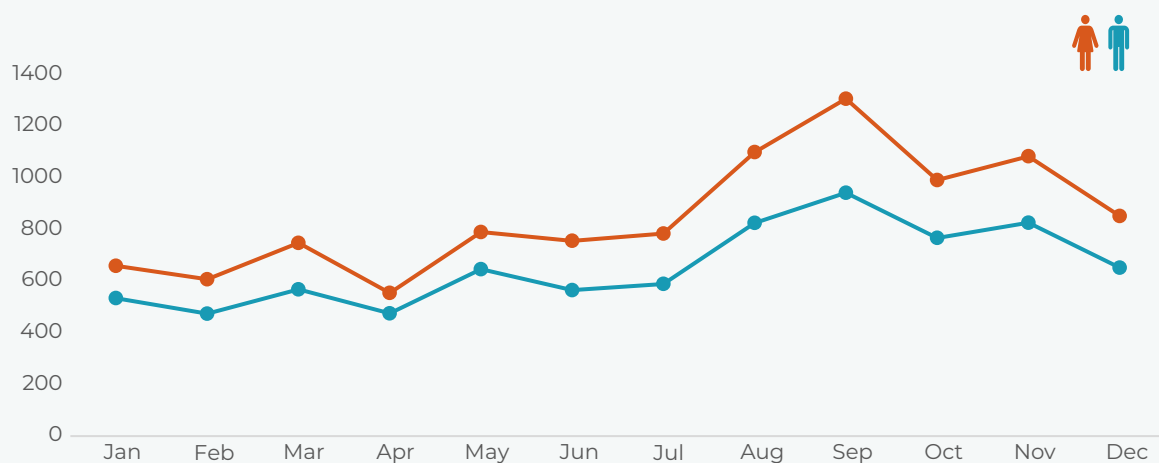
The chart above shows a distribution of death amongst PLHIV in Nigeria from January 2023 to December 2023.

**Figure 16**  
Distribution of deaths by States in 2023



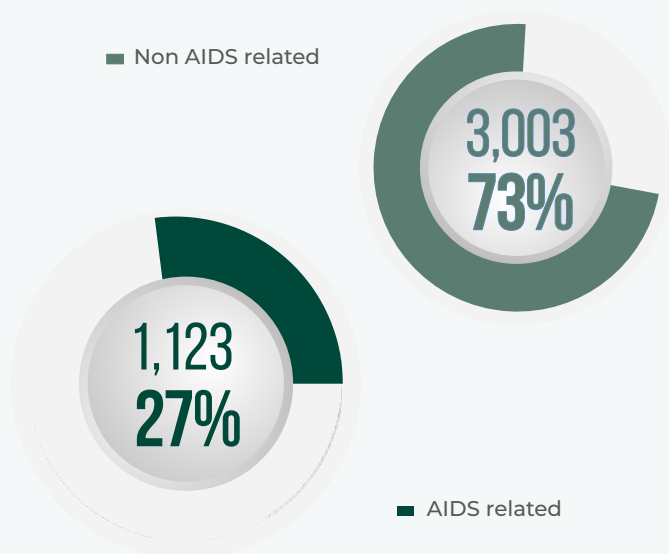
**Figure 17a**  
Distribution of Deceased clients by age and Sex in 2023





The chart above provides insights into the monthly distribution of client on ART who died in 2023.

**Figure 17b**  
Trends of death by Sex in 2023



**27%** of the VA's conducted were AIDS related whereas **73%** was non-AIDS related in 2023.

In December, **399 VAs** were conducted. Of this VAs conducted, **21%**(84) were AIDS related while **79%**(315) were non-AIDS related.

**Figure 18**  
AIDS-related and non-AIDS-related causes of death.

**18,092** Total Deaths recorded in 2023

**10,229** **7,863**



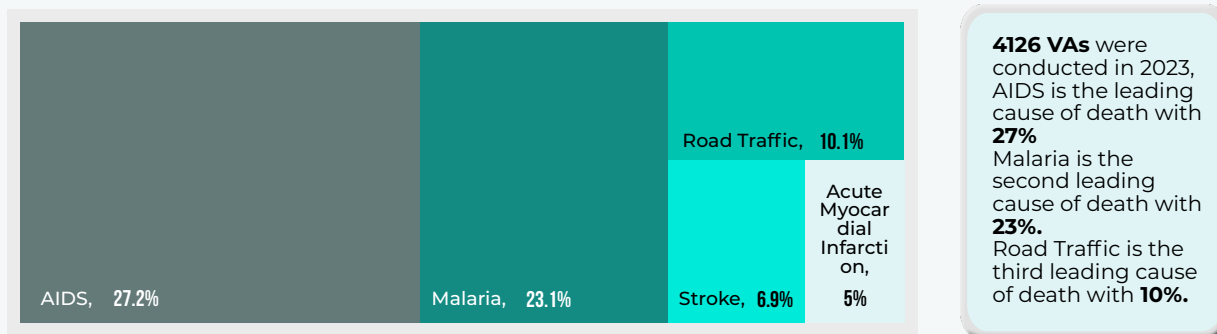
**30** Total number of states where mortality surveillance is activated.

**473** Total number of activated facilities in these states.

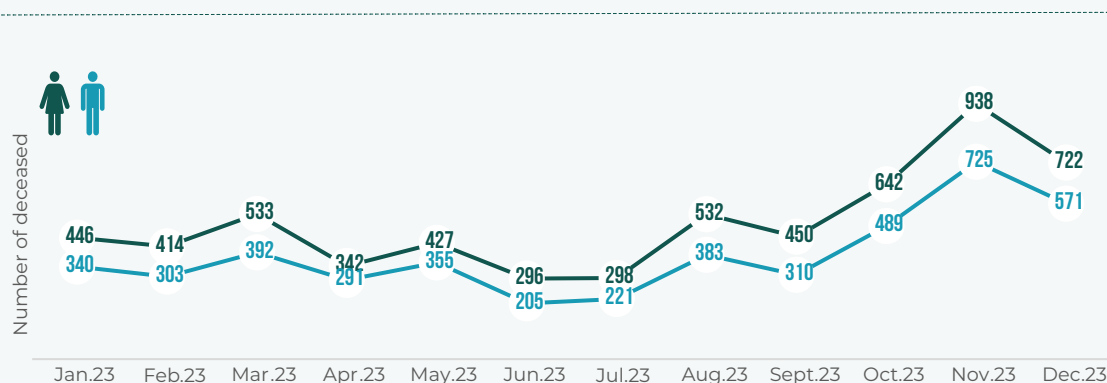
**4,126** Verbal Autopsy's (VA) for 2023 (January - December 2023) to determine the causes of death.

**15,303** Deaths were recorded in Mortality surveillance activated facilities in 2023

**8,639** **6,664**

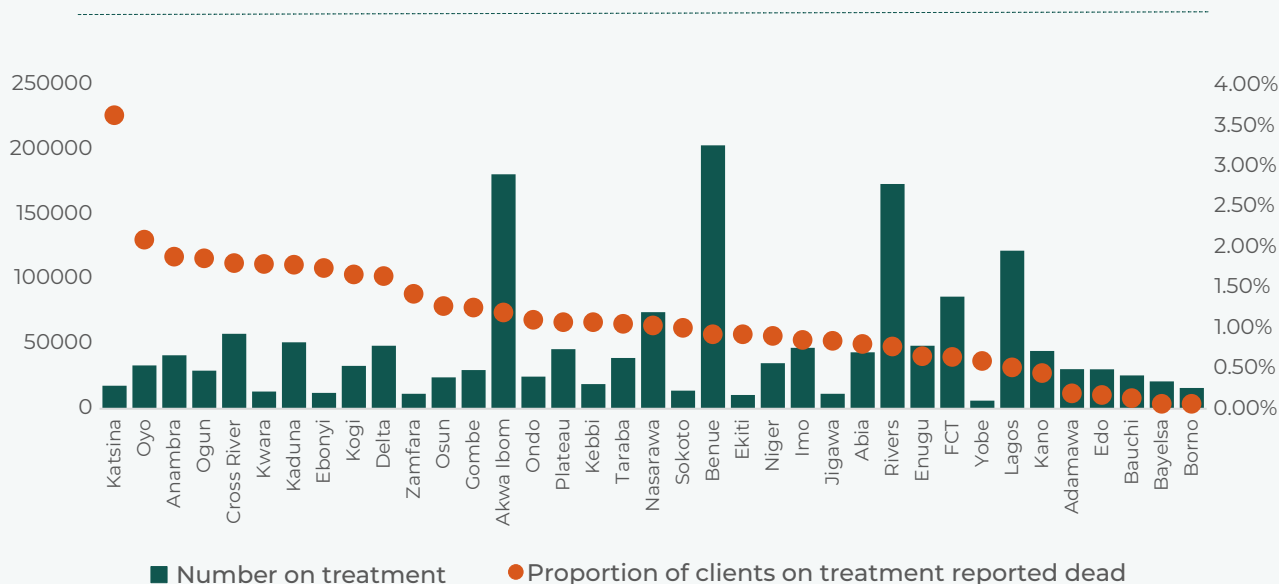


**Figure 19**  
Top 5 causes of death among PLHIV in 2023



The hike experienced in the last quarter of 2023 was as a result of increased reporting from the newly activated sites.

**Figure 20**  
The number of clients on treatment reported dead in the MS-activated site in 2023.



This chart shows the proportion of clients who were reported dead at the end of 2023. The death rate was calculated as the number of clients on treatment who are reported dead per the total number of clients actively on treatment. A high death rate is recorded amongst states with lower TX\_CURR.

**Figure 21**  
The proportion of clients on treatment reported dead in December 2023