



# NIGERIA

## NATIONAL HIV SURVEILLANCE REPORT

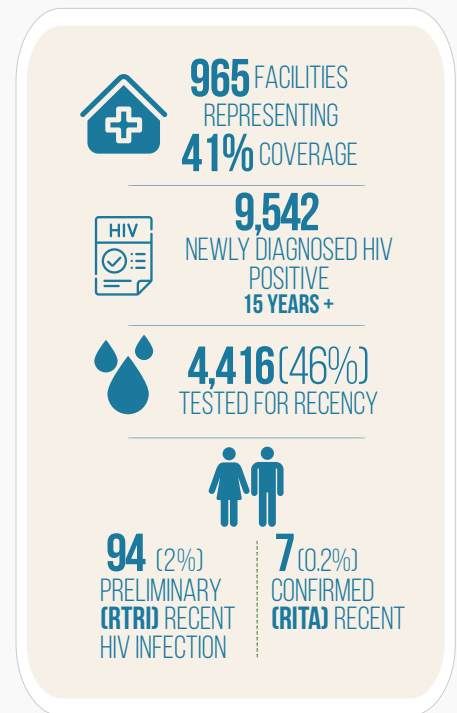
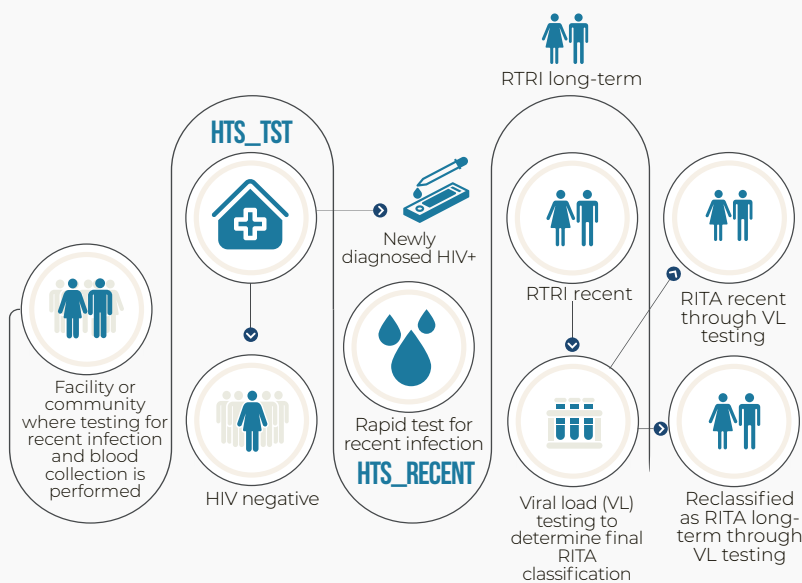
April 2023 Edition

Data is for April 2023 and was downloaded from the NDR on 20 May 2023

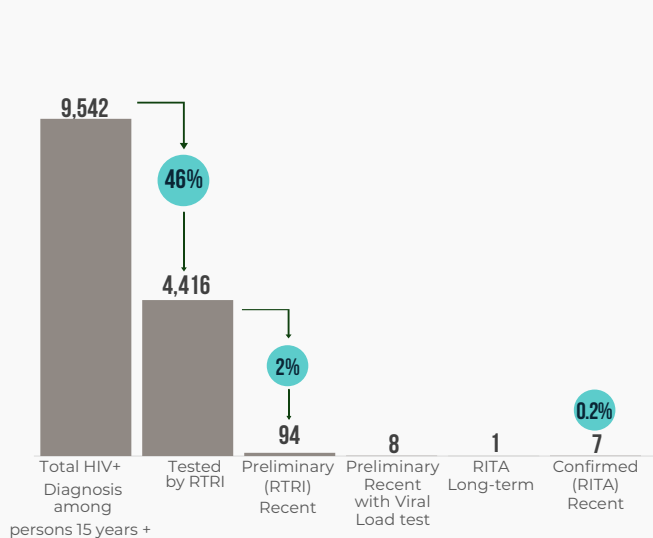
### OVERVIEW

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).

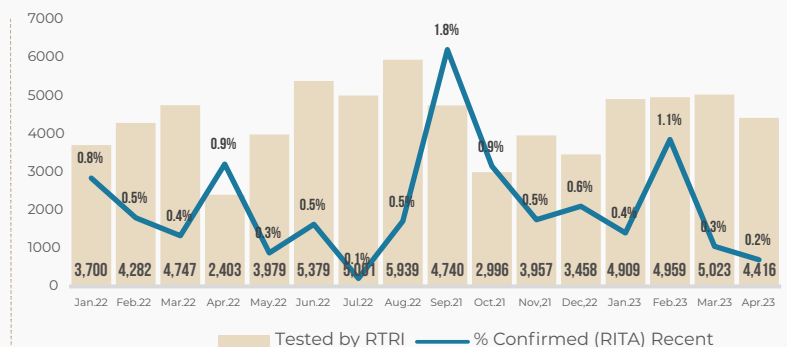
### HIV-1 RECENT INFECTION SURVEILLANCE



The chart below summarizes HIV-1 Recent Infection Surveillance in 965 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.



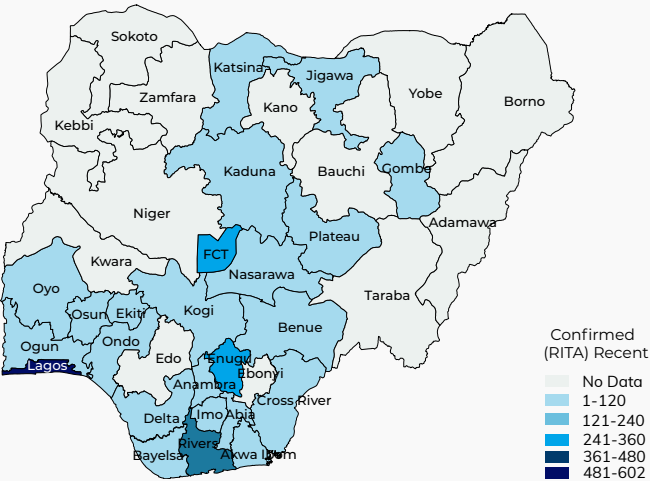
**Figure 1**  
HIV-1 Recent Infection Surveillance Cascade in April 2023



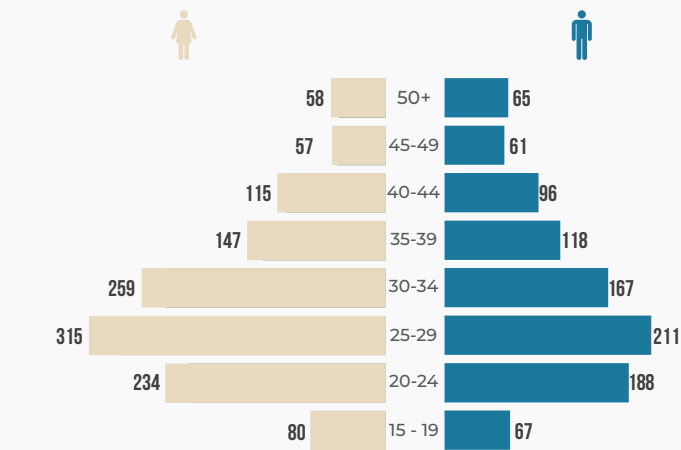
Additional sites which were activated for reagency testing between June and July, commenced reporting on NDR, this can be attributed to the spike in September and October.

**Figure 2**  
Confirmed recent infection from January 2022 to April 2023

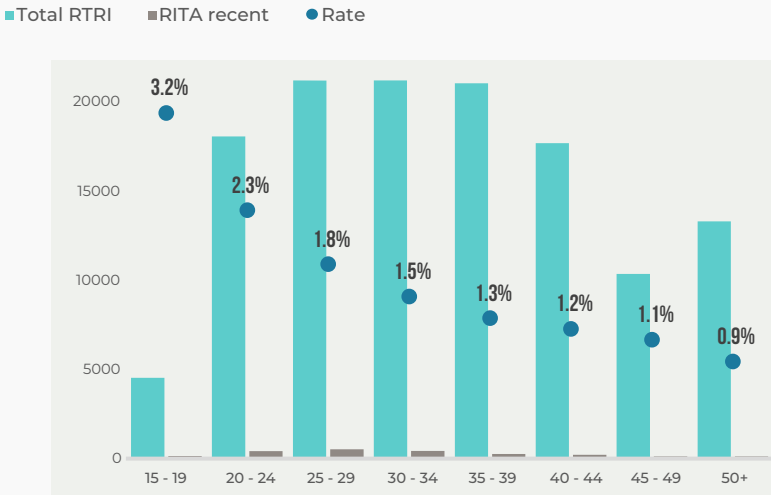
The map below is a geographical distribution of confirmed RITA recent infections from April 2020 to April 2023.



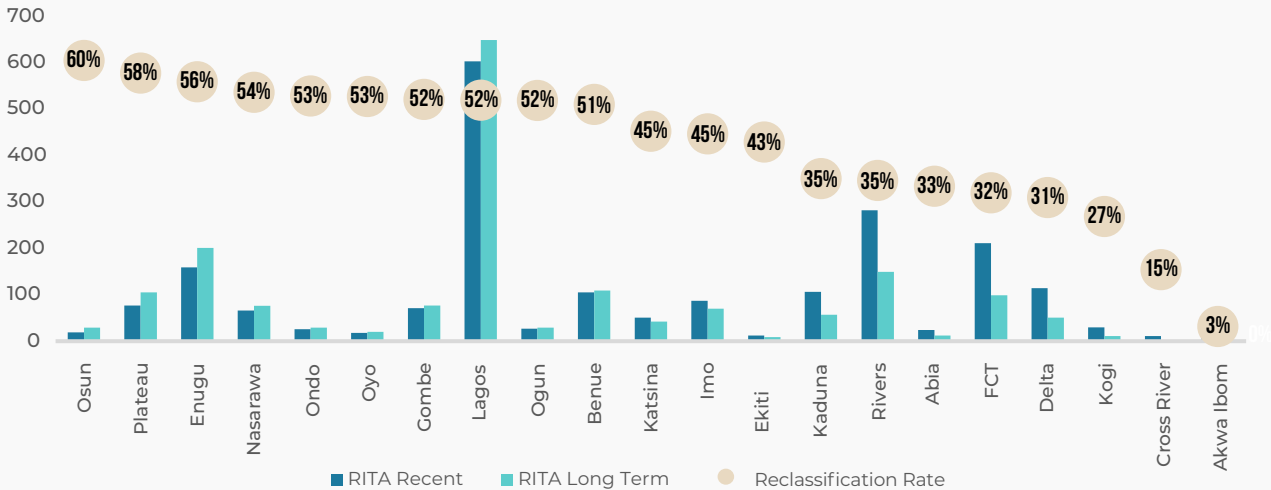
**Figure 3**  
Geographical distribution of confirmed (RITA) recent infections from April 2020 to April 2023



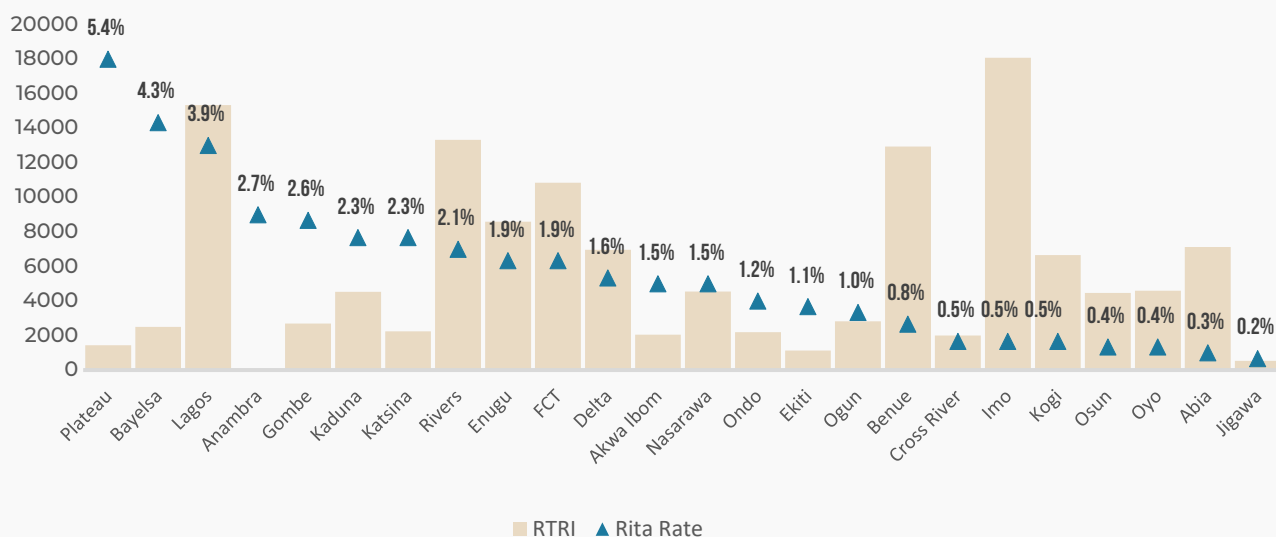
**Figure 4**  
Confirmed (RITA) recent infection by age and sex in Nigeria from March 2020 to April 2023



**Figure 5**  
Proportion of Confirmed recent infections dis-aggregated by age as of April 2023



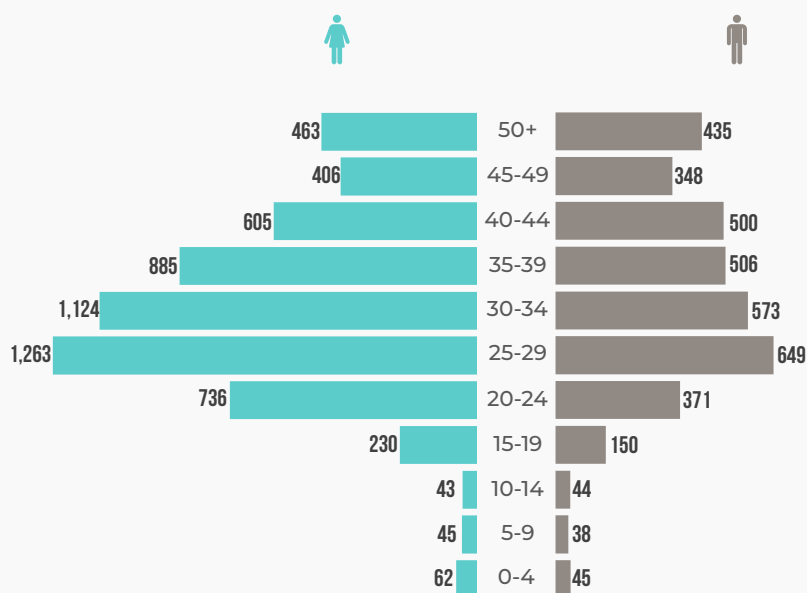
**Figure 6**  
Reclassification rate as of April 2023



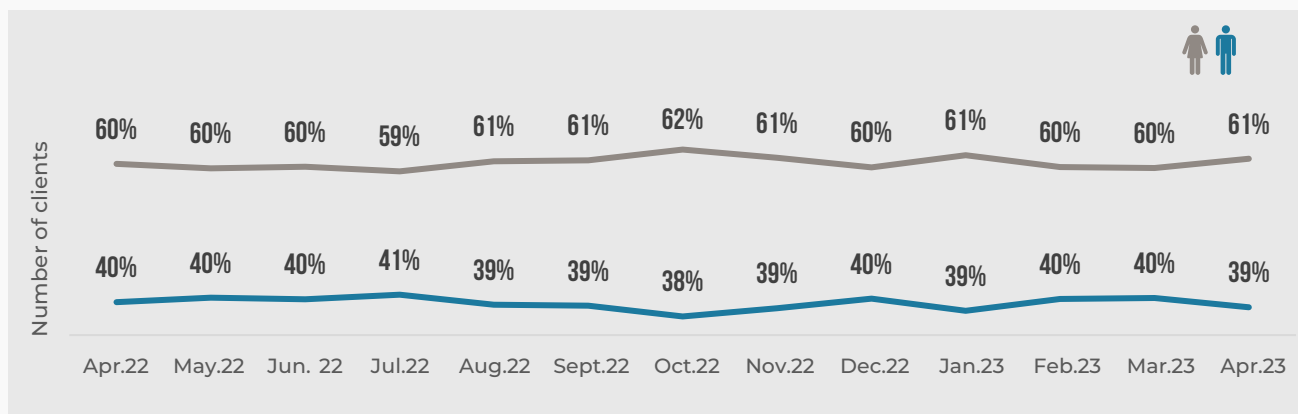
**Figure 7**  
Confirmed Recent Infection Rate by State from 2021 to 2023

## CASE-BASED SURVEILLANCE

Case-based Surveillance systematically and 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.



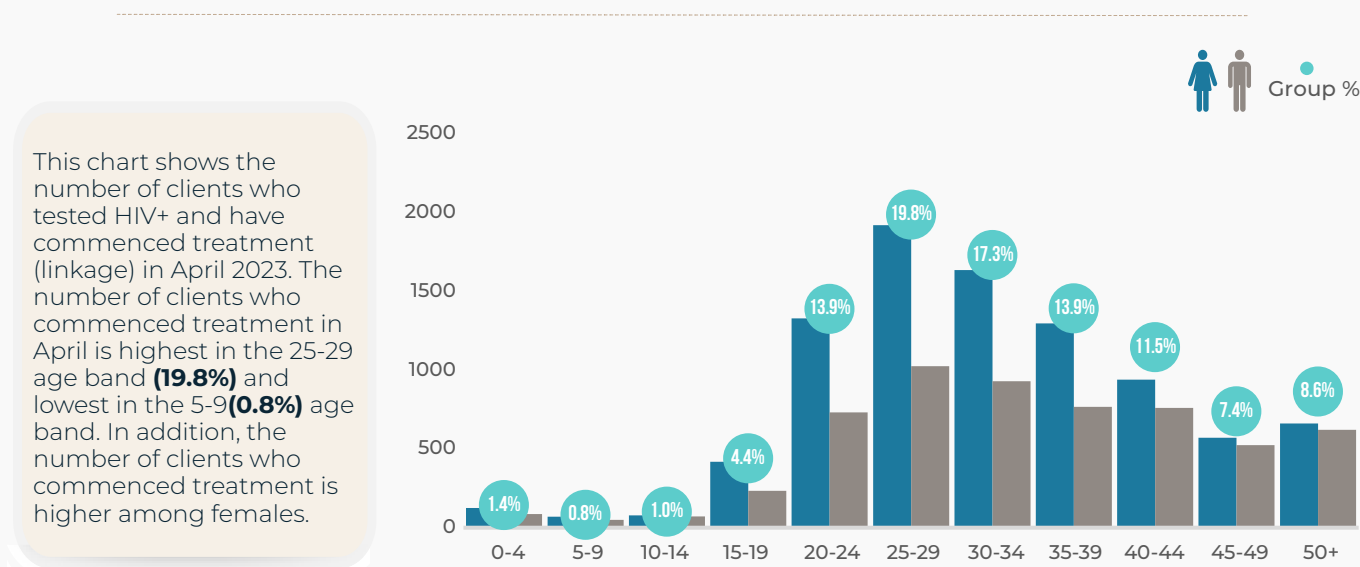
**Figure 8**  
Number of clients newly diagnosed HIV+ in April 2023



**Figure 9**

Monthly trend of clients by sex who commenced treatment over the past eleven months as of April 2023

The monthly trend of clients by sex who commenced treatment over the past twelve months as of April 2023, Female accounts for 60% while Males 40% of clients initiated on treatment for the month of April and April 2023.



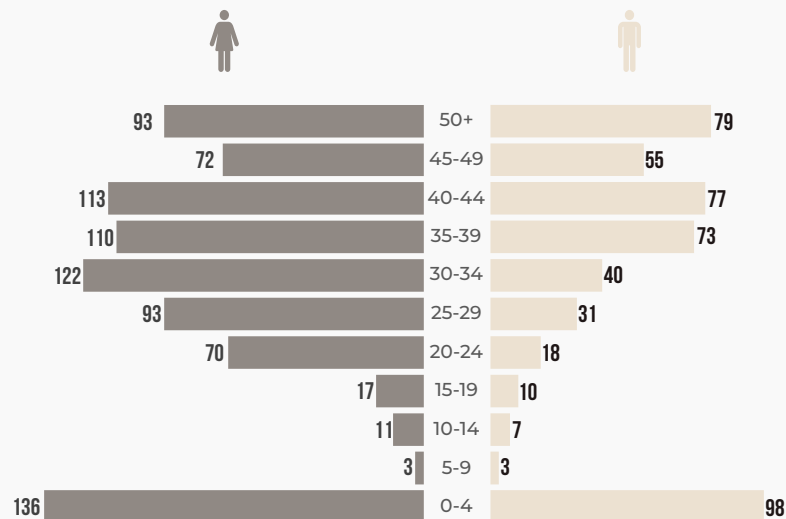
**Figure 10**

Number of clients started on treatment in April, disaggregated by age and sex



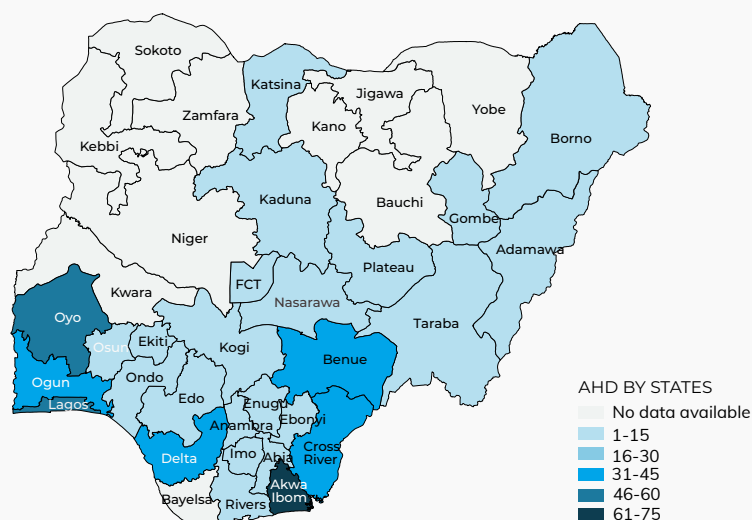
**Figure 11**

Client CD 4 COUNT < 200 and ≥ 200 at initiation in April 2023



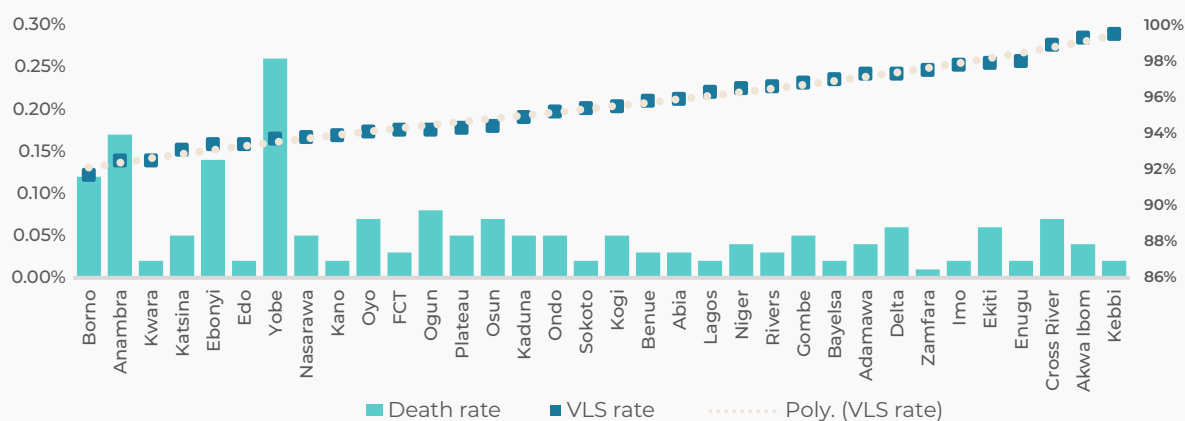
**Figure 12**

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 April 2023



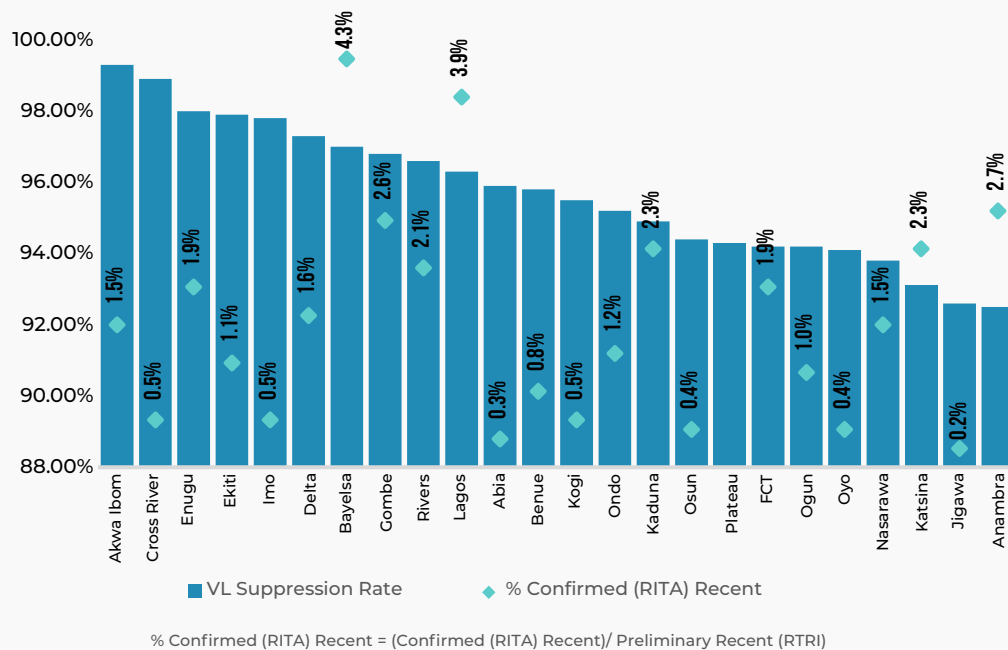
**Figure 13**

Distribution of newly diagnosed HIV+ clients with WHO stage III & IV HIV disease by state in April 2023



**Figure 14**

Low deaths among states with high viral load suppression rate in April 2023

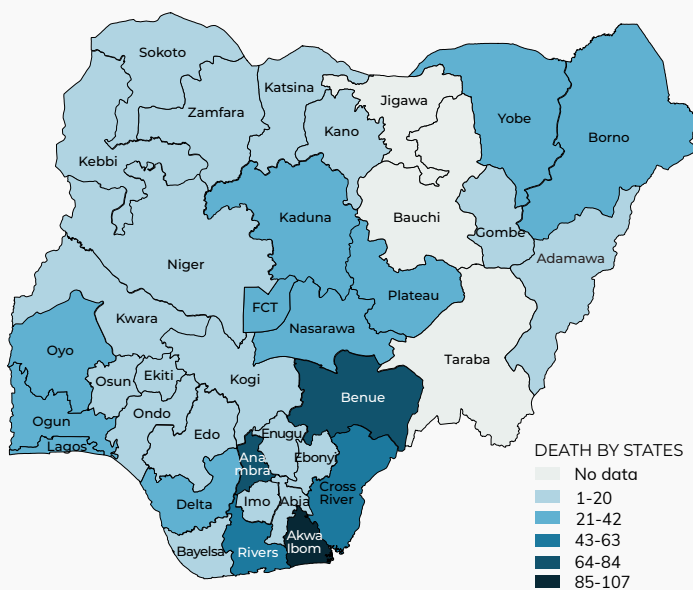


**Figure 15**

Recent infection rates still high in some states with high viral load suppression rate. (% confirmed (RITA) Recent = Confirmed (RITA) Recent / Preliminary recent infection)

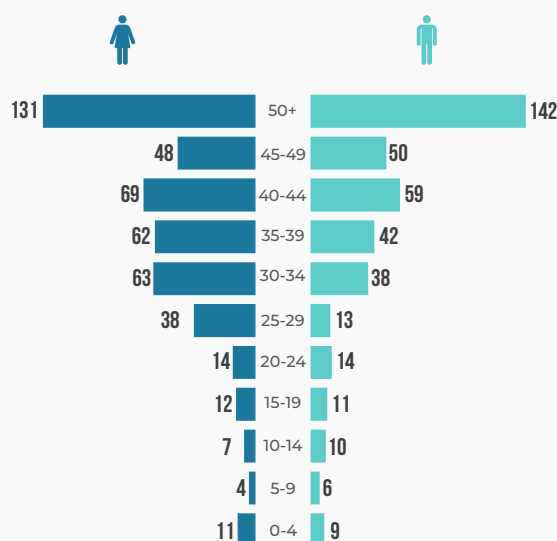
## MORTALITY SURVEILLANCE

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.



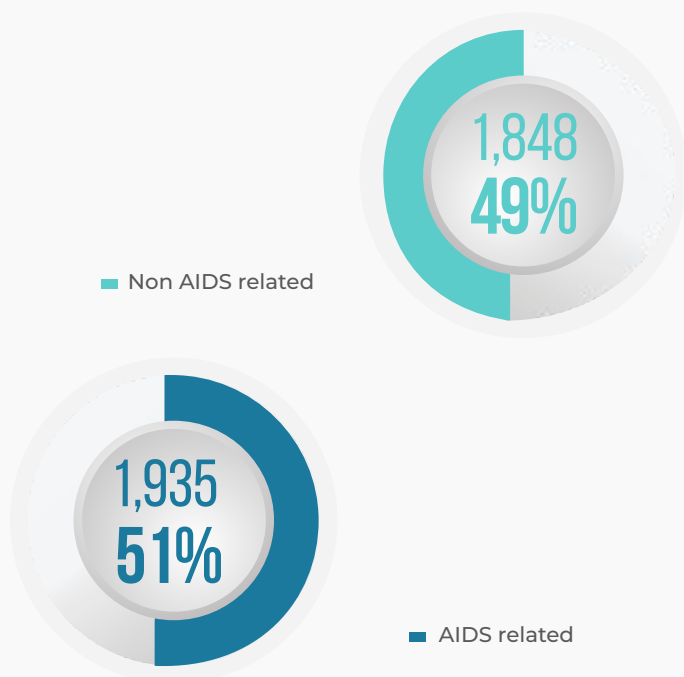
**Figure 16**

Distribution of deaths by state in April 2023



**Figure 17**

Deaths by age and sex in April 2023



**Figure 18**  
AIDS-related and non-AIDS-related causes of death as at April 2023

**853** Deaths were recorded in April 2023



459



394



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

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

**3,783** Verbal Autopsy's (VA) as of April 2023 to determine the causes of death.

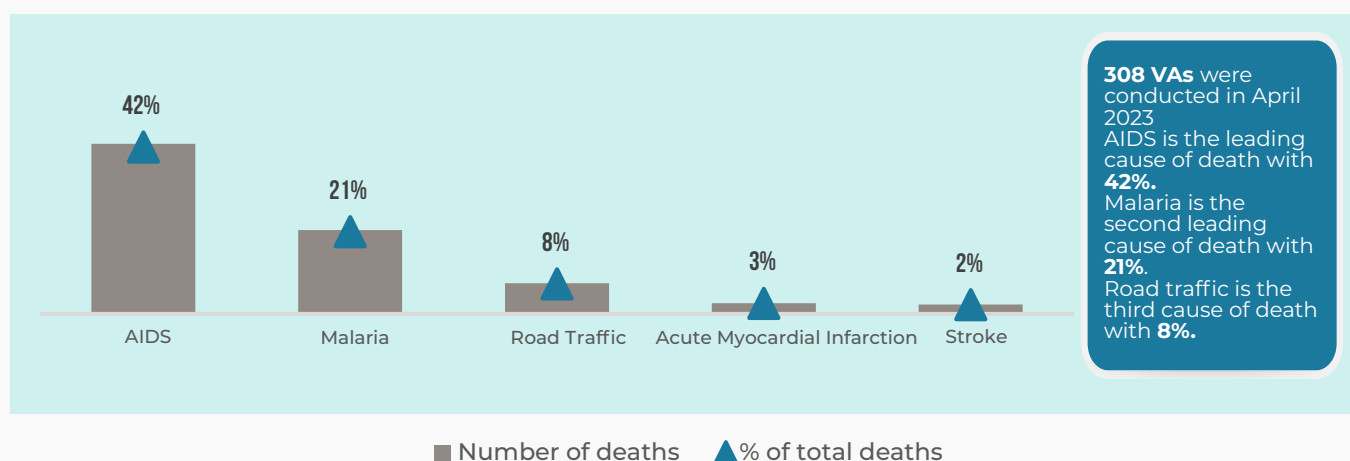
**633** Deaths were recorded in all Mortality Surveillance activated sites in April 2023.



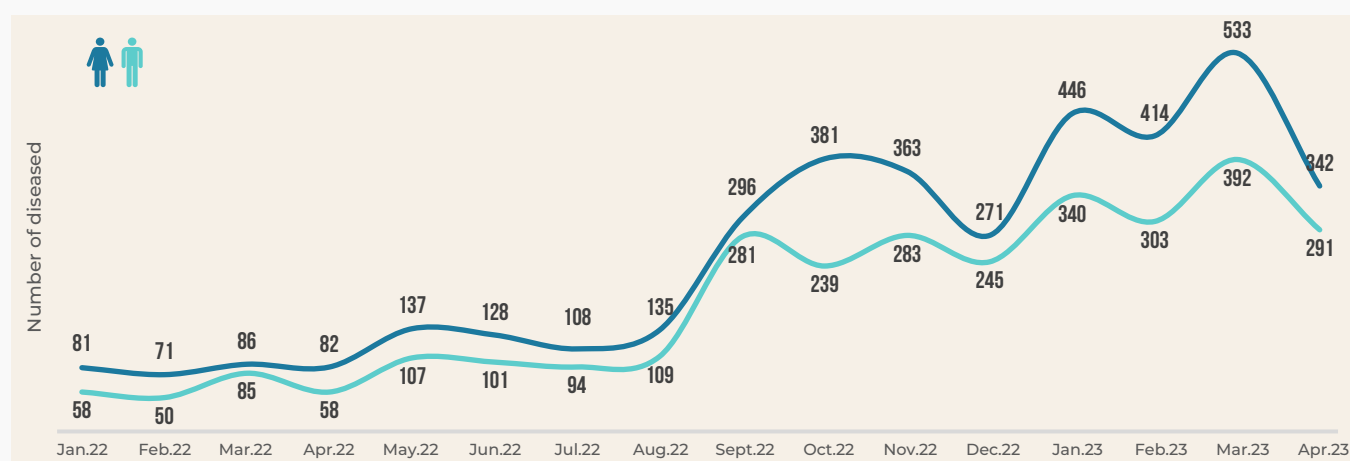
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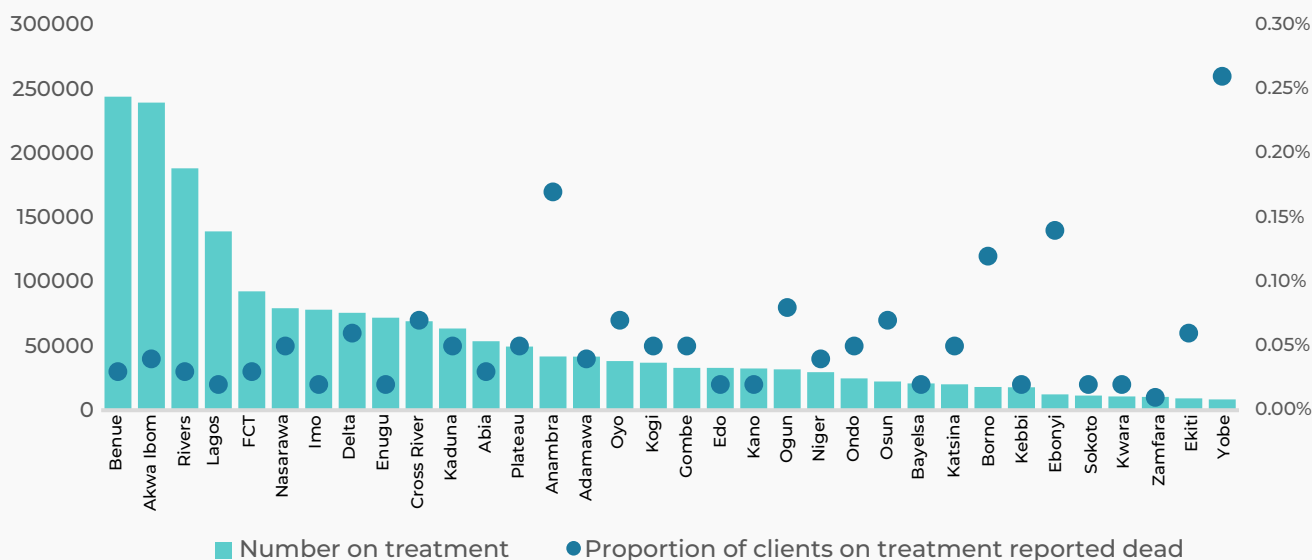
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**Figure 19**  
Top 5 causes of death among PLHIV in April 2023



**Figure 20**  
Number of clients on treatment reported dead in MS-activated site in April 2023



**Figure 21**  
Proportion of clients on treatment reported dead in April 2023

This chart shows the proportion of clients on treatment who are reported dead in April 2023 disaggregated by State. 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.