NIGERIA
NATIONAL HIV SURVEILLANCE REPORT
February 2022 Edition

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).
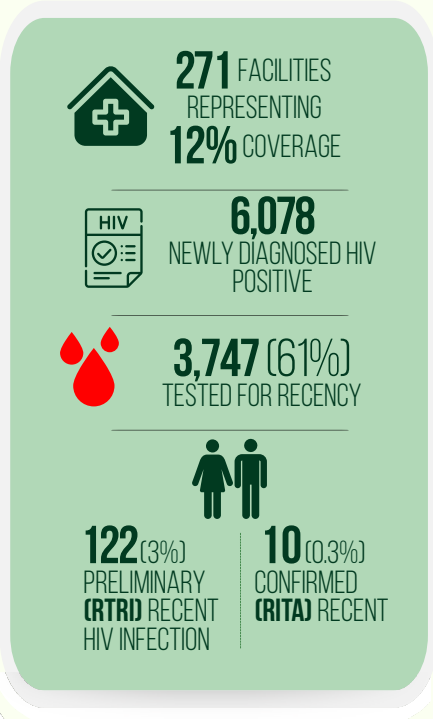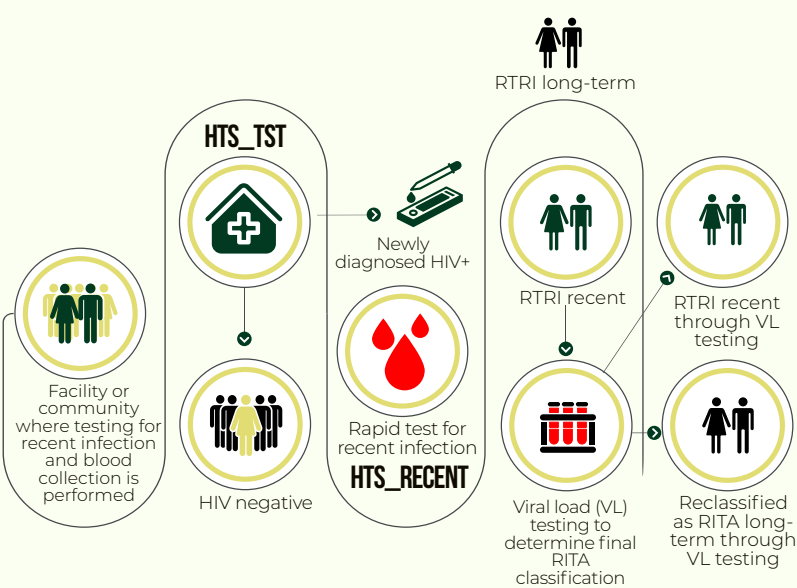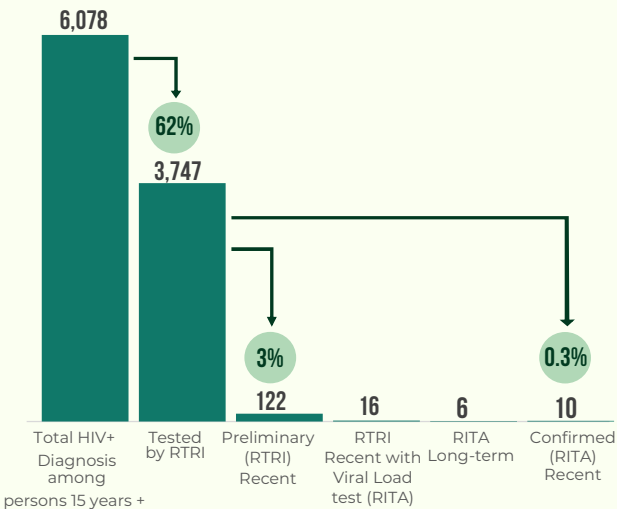
HIV-1 RECENT INFECTION SURVEILLANCE

271 FACILITIES REPRESENTING **12%** COVERAGE

6,078 NEWLY DIAGNOSED HIV POSITIVE

3,747 (61%) TESTED FOR RECENCY

122 (3%) PRELIMINARY (RTRI) RECENT HIV INFECTION
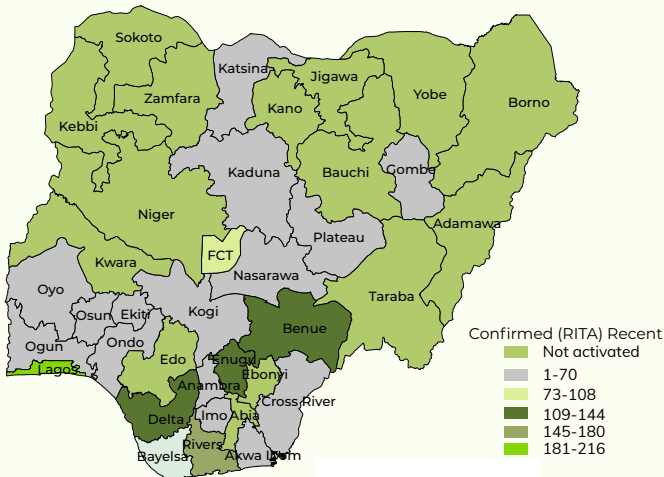
10 (0.3%) CONFIRMED (RITA) RECENT

Figure 1
HIV-1 Recent Infection Surveillance cascade in February 2022

The chart above summarises HIV-1 Recent Infection Surveillance in 271 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 2
Geographical distribution of confirmed (RITA) recent infections from March 2020 to February 2022

Confirmed (RITA) Recent
- Not activated
- 1-70
- 73-108
- 109-144
- 145-180
- 181-216

The map above is a geographical distribution of confirmed RITA recent infections from March 2020 to February 2022.

RITA: Recent Infection Testing Algorithm | **RTRI:** Rapid Test for Recent Infection | **STI:** Sexually Transmitted Infection | **VL:** Viral load

Figure 3a
Confirmed (RITA) recent infection by age and sex in Nigeria from March 2020 to February 2022

Female	Age	Male
30	50+	27
26	45 - 49	37
63	40 - 44	46
73	35 - 39	49
121	30 - 34	88
163	25 - 29	112
109	20 - 24	76
25	15 - 19	24
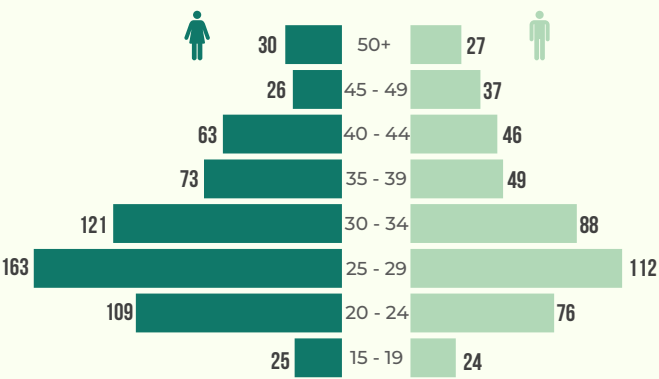
Figure 3b
Recent infection rates disaggregated by age & sex in February 2022

Total RTRI ■RITA recent ●Rate

15 - 19: 5%
20 - 24: 3%
25 - 29: 3%
30 - 34: 2%
35 - 39: 1%
40 - 44: 2%
45 - 49: 2%
50+: 1%
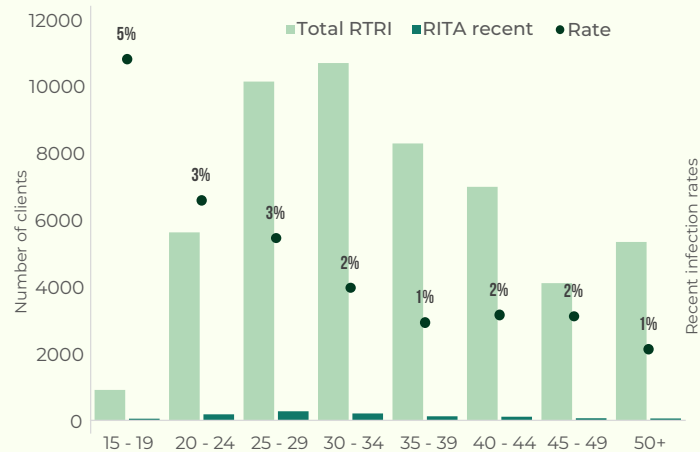
Figure 3c
Confirmed recent infection February 2021 to February 2022

Tested by RTRI — % RITA

Month	Tested by RTRI	% RITA
Feb.21	1,778	2.6%
Mar.21	2,266	3.5%
Apr.21	2,583	2.1%
May.21	3,243	1.9%
Jun.21	3,606	2.5%
Jul.21	3,722	1.7%
Aug.21	3,773	1.5%
Sep.21	3,488	2.5%
Oct.21	3,504	1.5%
Nov.21	3,667	1.2%
Dec.21	3,508	0.6%
Jan.22	3,369	0.8%
Feb.22	3,744	0.3%
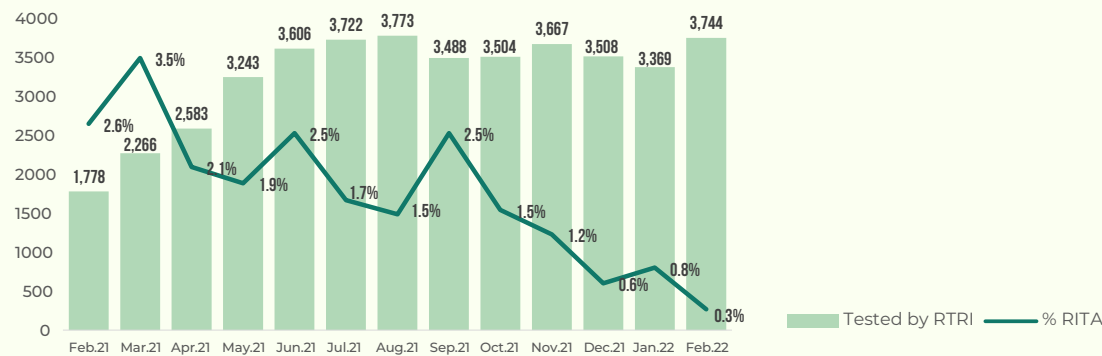
CASE-BASED SURVEILLANCE

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 4
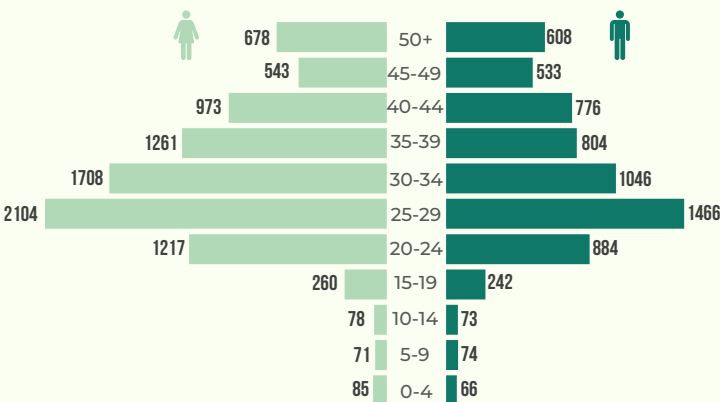Total number of clients newly diagnosed HIV+ in February 2022

Female	Age	Male
678	50+	608
543	45-49	533
973	40-44	776
1261	35-39	804
1708	30-34	1046
2104	25-29	1466
1217	20-24	884
260	15-19	242
78	10-14	73
71	5-9	74
85	0-4	66

Figure 5
Monthly trend of clients by sex who commenced treatment over the past six months as of February 2022

Month	Female	Male
Aug	19492	14204
Sep	17906	12604
Oct	15475	10474
Nov	18875	13659
Dec	17259	12707
Jan	15446	10398
Feb	13662	9645

Figure 6
Client CD 4 COUNT < 200 and ≥ 200 in February 2022

24% **76%**

CD4 < 200 CD4 ≥ 200

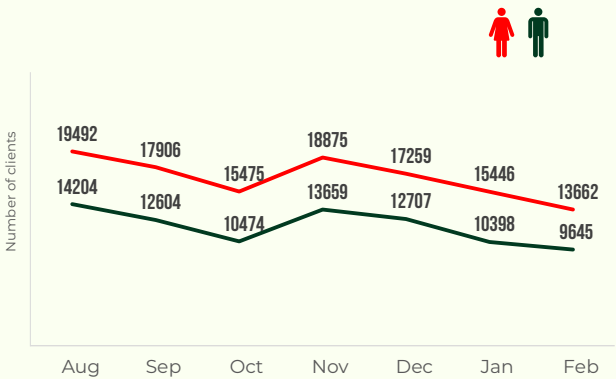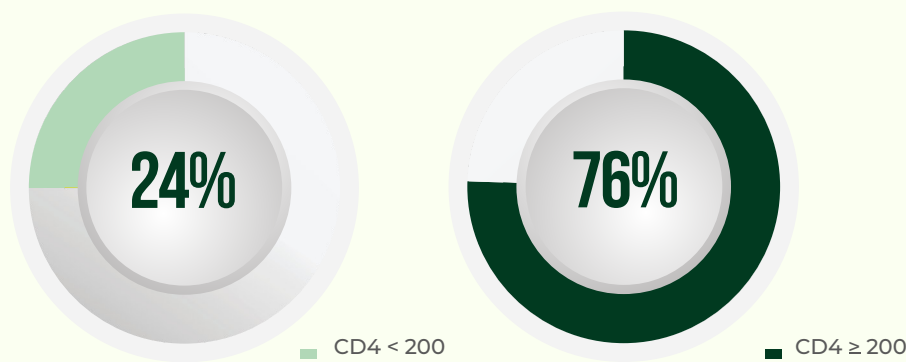**Figure 7**
Clients diagnosed HIV+ and those who commenced
treatment by age in February 2022

This chart shows the number of clients who tested HIV+ and those who commenced treatment (linkage) in February 2022. The linkage in February is above 100% and may be due to under reporting of newly tested HIV positives on the NDR or rollover of clients who tested positive in prior months but commenced treatment in February 2022.
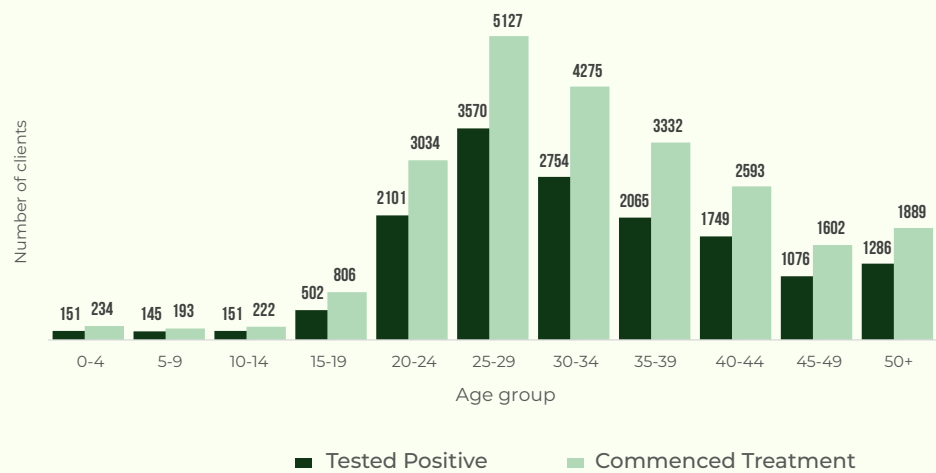

Number of clients

Age group	Tested Positive	Commenced Treatment
0-4	151	234
5-9	145	193
10-14	151	222
15-19	502	806
20-24	2101	3034
25-29	3570	5127
30-34	2754	4275
35-39	2065	3332
40-44	1749	2593
45-49	1076	1602
50+	1286	1889

Tested Positive Commenced Treatment

Figure 8
Distribution of Advanced HIV Disease (WHO stage III
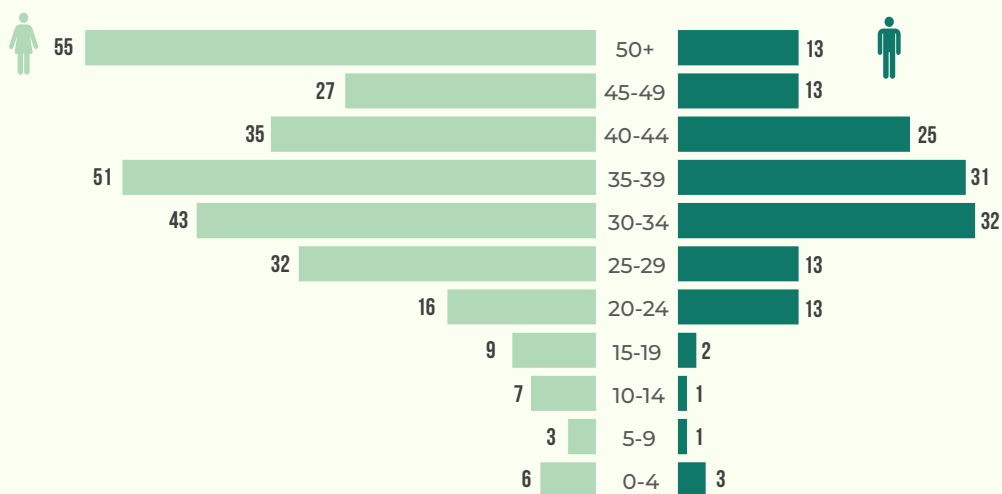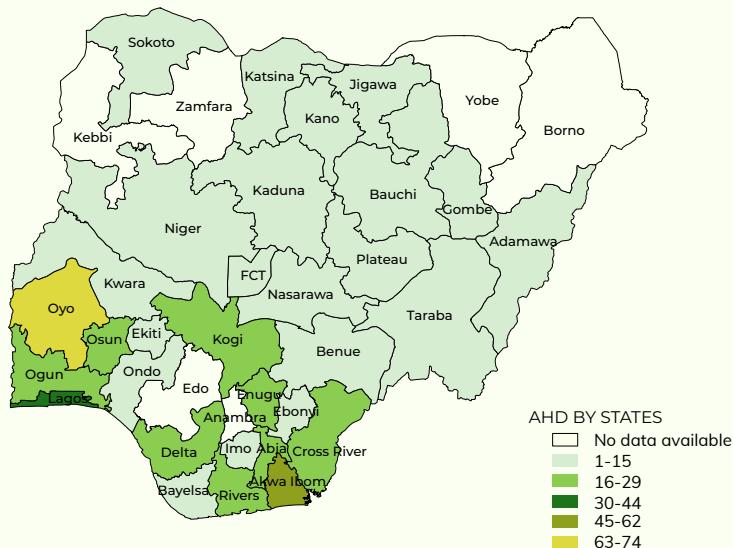and IV HIV disease) by age and sex in February 2022

	Female	Age group	Male
	55	50+	13
	27	45-49	13
	35	40-44	25
	51	35-39	31
	43	30-34	32
	32	25-29	13
	16	20-24	13
	9	15-19	2
	7	10-14	1
	3	5-9	1
	6	0-4	3

Figure 9

Distribution of newly diagnosed HIV+ clients with WHO stage III & IV HIV disease by state in February 2022

AHD BY STATES
- No data available
- 1-15
- 16-29
- 30-44
- 45-62
- 63-74

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 10a
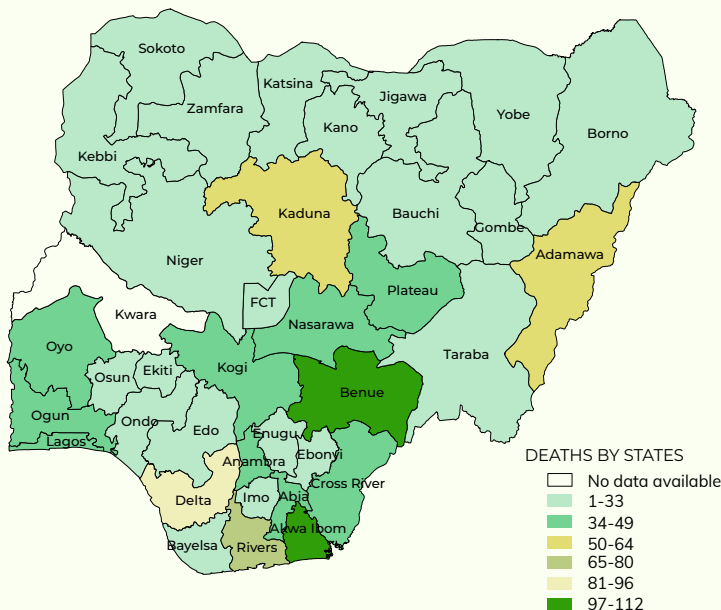## Distribution of deaths by state in February 2022

DEATHS BY STATES
- No data available
- 1-33
- 34-49
- 50-64
- 65-80
- 81-96
- 97-112

Figure 10b
Deaths by age and sex in February 2022

Female	Age	Male
136	50+	182
68	45-49	57
111	40-44	77
96	35-39	57
74	30-34	38
42	25-29	20
30	20-24	16
11	15-19	8
8	10-14	10
9	5-9	10
16	0-4	9
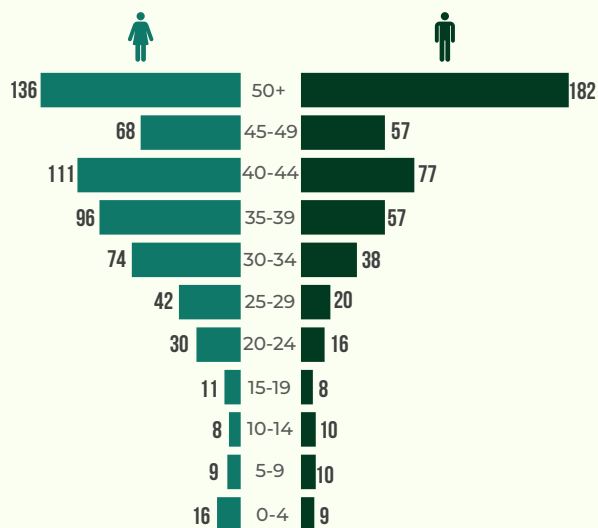
Figure 10c
AIDS-related and non-AIDS-related causes of death as of February 2022
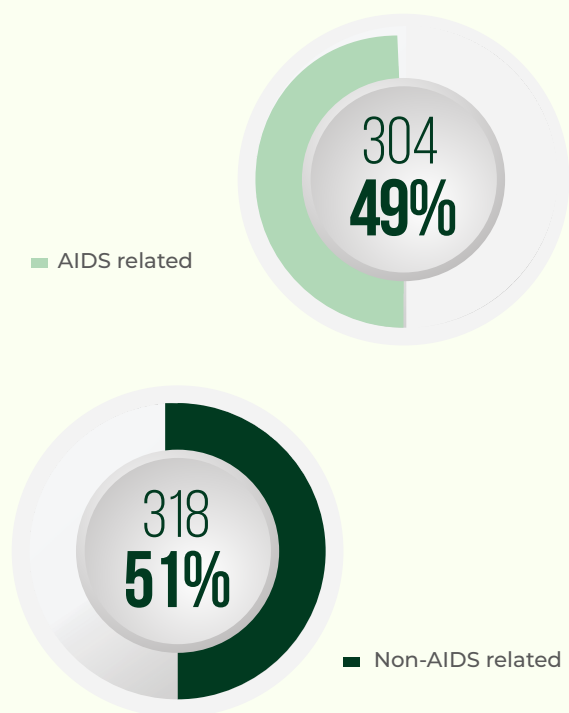
1027 Deaths recorded

👩 569   🧑 458

304
49%

■ AIDS related

318
51%

■ Non-AIDS related

8 Total number of states where mortality surveillance is activated.

89 Total number of activated facilities in these states.

622 VAs as of February 2022 to determine the causes of death.

121 Deaths were recorded in all the 89 facilities in February 2022.

🧍 71   🧍 50

Figure 11
Monthly trend of deaths in MS activated facilities by state as of February 2022

👩 🧑

Number of diseased

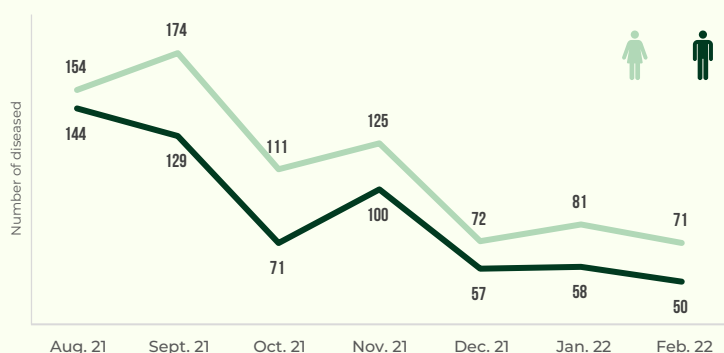|	Aug. 21	Sept. 21	Oct. 21	Nov. 21	Dec. 21	Jan. 22	Feb. 22
(light)	154	174	111	125	72	81	71
(dark)	144	129	71	100	57	58	50

Figure 12
Death rates among clients currently on treatment in February 2022

Number of clients

States (x-axis): Abia, Ebonyi, Oyo, Kogi, Kebbi, Sokoto, Kaduna, Plateau, Jigawa, Bayelsa, Imo, Nasarawa, Benue, Lagos, Kano, Enugu, Zamfara, Bauchi, Kwara

Left axis: 0 – 250000
Right axis: 0.00% – 0.30%