MEASLES SITUATION REPORT

Serial Number 06
Data as at June 30th 2024

HIGHLIGHTS

– **In June, 2024:**

  – Borno (136), Abia (58), Osun (50), and Jigawa (47) accounted for 34.0% of the 856 suspected cases reported

  – Of the suspected cases reported, 233 (13.43%) were confirmed (115 lab-confirmed, 0 epidemiologically linked, 118 clinically compatible), 531 (62.03%) were discarded & 92 (10.75%) were pending

  – A total of 286 LGAs across 36States + FCT reported at least one suspected case

  – Zero (0) deaths was recorded from confirmed cases

– **From January – June, 2024:**

  – Borno (4,994), Yobe (1,072), Adamawa (940), Katsina (544), and Osun (502) accounted for 53.09% of the 15,166 suspected cases reported

  – Of the suspected cases reported, 8,242 (54.35%) were confirmed (1,968 lab-confirmed & 2,207 were epidemiologically linked, 4,067 clinically compatible), 6,188 (40.80%) were discarded & 736 (4.85%) were pending

  – The age group 9 - 59 months accounted for 5,307 (64.4%) of all confirmed cases

  – A total of 69 deaths (CFR = 0.83%) were recorded among confirmed cases

  – Up to 6,052 (73.4%) of the 8,242 confirmed cases did not receive any dose of measles vaccine ("zero doses")

– **Measles outbreaks as at June 30th 2024:**

  – By end of epi-week 27 of 2024, a total of 265 LGAs across 36 States have recorded measles outbreaks

  – Osun had the highest number of LGAs (15) that have experience measles outbreak this year. Followed by Bauchi and Adamawa and Oyo with 14 LGAs each.

  – Furthermore, 256 LGAs across 36 States have ended their measles outbreak as at epi-week 27

  – Osun (14) and Bauchi (14) have the highest number of LGAs that have ended their outbreak this year.

  – By end of epi-week 27, 7 LGAs across 6 States still have ongoing measles outbreak.

SITUATION UPDATES
 # Jan - June (# New in June)

SUSPECTED CASES
15,166 (856)

States With Suspected Cases
36 + FCT

LGAs with Suspected Cases
736 (286)

CONFIRMED CASES
8,242 (233)

States with Confirmed Cases
36 + FCT

LGAs with Confirmed Cases
469(83)

DEATHS AMONG CONFIRMED CASES
69 (0)

MEASLES OUTBREAKS
265 (32)

States with Ongoing Measles Outbreaks
**6 (1)**

LGAs with Ongoing Measles Outbreaks
7 (0)

Table 1: Distribution of key measles surveillance variables by states, June 2024

States	# Suspected cases	# Confirmed cases (%)	Classification of confirmed cases			% of confirmed cases aged 9-59 months	% of confirmed cases that are "zero doses"
			Lab. confirmed	Epid. linked	Clin. Compatible		
NORTH	10,932	7,971 (71.9%)	1,699	2207	4065	65.7%	87.8%
Adamawa	940	540 (57.4%)	112	24	404	39.1%	92.9%
Bauchi	481	260 (54.1%)	114	84	62	51.2%	86.4%
Benue	146	69 (47.3%)	69	0	0	40.6%	97.7%
Borno	4,994	4,860 (97.3%)	137	2049	2674	72.4%	85.8%
FCT, Abuja	57	35 (61.4%)	35	0	0	48.6%	83.3%
Gombe	254	160 (63.0%)	90	5	65	62.3%	93.8%
Jigawa	457	151 (33.0%)	148	0	3	45.7%	96.6%
Kaduna	217	113 (52.1%)	112	0	1	72.6%	100.0%
Kano	190	54 (28.4%)	54	0	0	61.1%	94.6%
Katsina	544	187 (34.4%)	185	0	2	64.2%	92.5%
Kebbi	377	108 (28.6%)	107	0	1	55.6%	78.0%
Kogi	112	33 (29.5%)	33	0	0	33.3%	80.8%
Kwara	272	100 (36.8%)	100	0	0	41.0%	95.1%
Nasarawa	125	50 (40.0%)	50	0	0	58.0%	66.7%
Niger	180	69 (38.3%)	69	0	0	61.8%	88.0%
Plateau	95	30 (31.6%)	28	0	2	60.0%	100.0%
Sokoto	207	104 (50.2%)	104	0	0	55.8%	100.0%
Taraba	69	32 (46.4%)	32	0	0	40.6%	32.7%
Yobe	1,072	956 (89.2%)	60	45	851	64.1%	94.2%
Zamfara	143	60 (42.0%)	60	0	0	75.0%	99.6%
SOUTH	4,234	271 (6.4%)	269	0	2	43.7%	24.3%
Abia	186	17 (9.1%)	17	0	0	23.5%	50.0%
Akwa Ibom	158	14 (8.9%)	14	0	0	64.3%	19.0%
Anambra	306	6 (2.0%)	6	0	0	16.7%	40.0%
Bayelsa	244	18 (7.4%)	18	0	0	50.0%	14.5%
Cross River	181	36 (19.9%)	36	0	0	33.3%	24.6%
Delta	162	9 (5.6%)	8	0	1	88.9%	27.8%
Ebonyi	68	1 (1.5%)	1	0	0	0.0%	50.0%
Edo	155	24 (15.5%)	24	0	0	70.8%	10.3%
Ekiti	251	3 (1.2%)	3	0	0	66.7%	0.0%
Enugu	221	6 (2.7%)	6	0	0	100.0%	66.7%
Imo	142	7 (4.9%)	7	0	0	16.7%	70.6%
Lagos	445	9 (2.0%)	8	0	1	66.7%	3.6%
Ogun	446	21 (4.7%)	21	0	0	19.0%	11.1%
Ondo	254	17 6.7%)	17	0	0	53.3%	8.6%
Osun	502	19 (3.8%)	19	0	0	36.8%	14.3%
Oyo	401	56 (14.0%)	56	0	0	41.1%	10.0%
Rivers	112	8 (7.1%)	8	0	0	0.0%	50.0%
TOTAL	15,166	8,242 (54.3%)	1,968	2207	4067	65.0%	85.2%
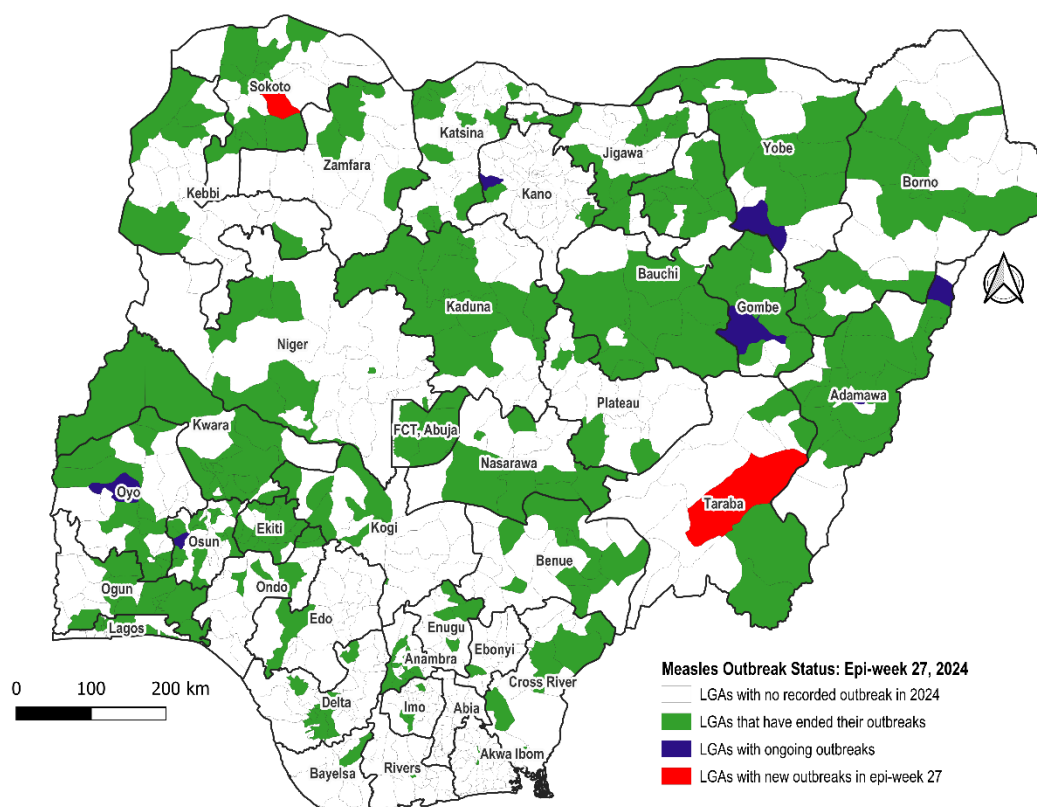
Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan - June 2024

Table 2: Trend of measles surveillance performance indicators, Jan – Jun, 2021 – 2024

Surveillance Performance Indicator	Target	2021 (Jan - Jun)	2022 (Jan - Jun)	2023 (Jan - Jun)	2024 (Jan - Jun)
Annualized measles Incidence	< 1/million population	59.1	173.2	87.7	66.5
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	2.5	5.5	4.2	4.9
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	44.8%	44.5%	59.2%	68.7%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	75.6%	95.6%	87.1%	94.7%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	3.5	9.9	5.7	7.2
Proportion of lab confirmed measles cases	< 10%	75.6	95.6%	87.1%	94.7%
Proportion of serum specimens arriving at measles laboratory in good condition	≥ 90%	93%	87%	95%	99.9%
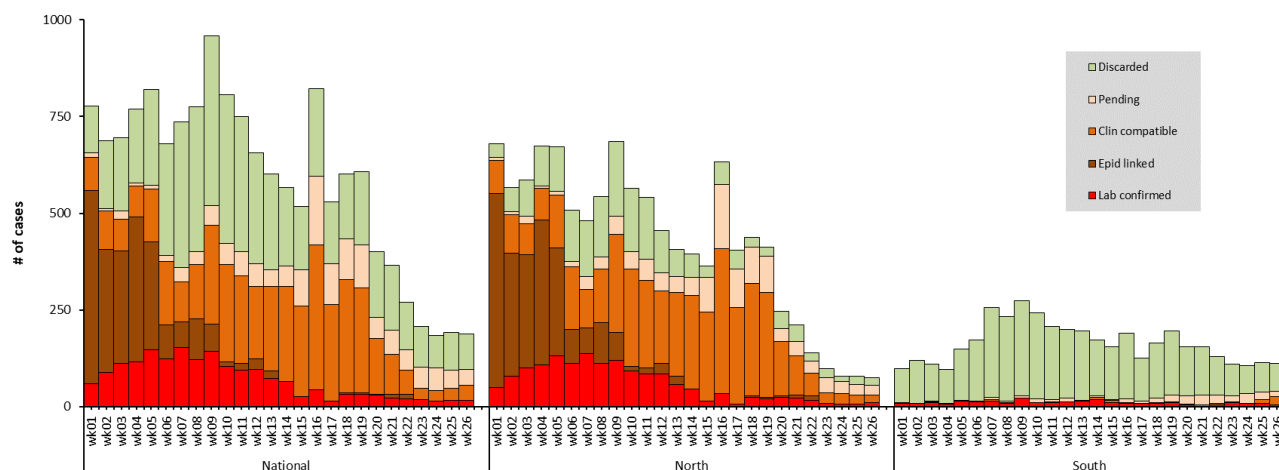
Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), June, 2024

Figure 3: Epi-curve of measles cases in Nigeria, 2022 – 2024 (June)
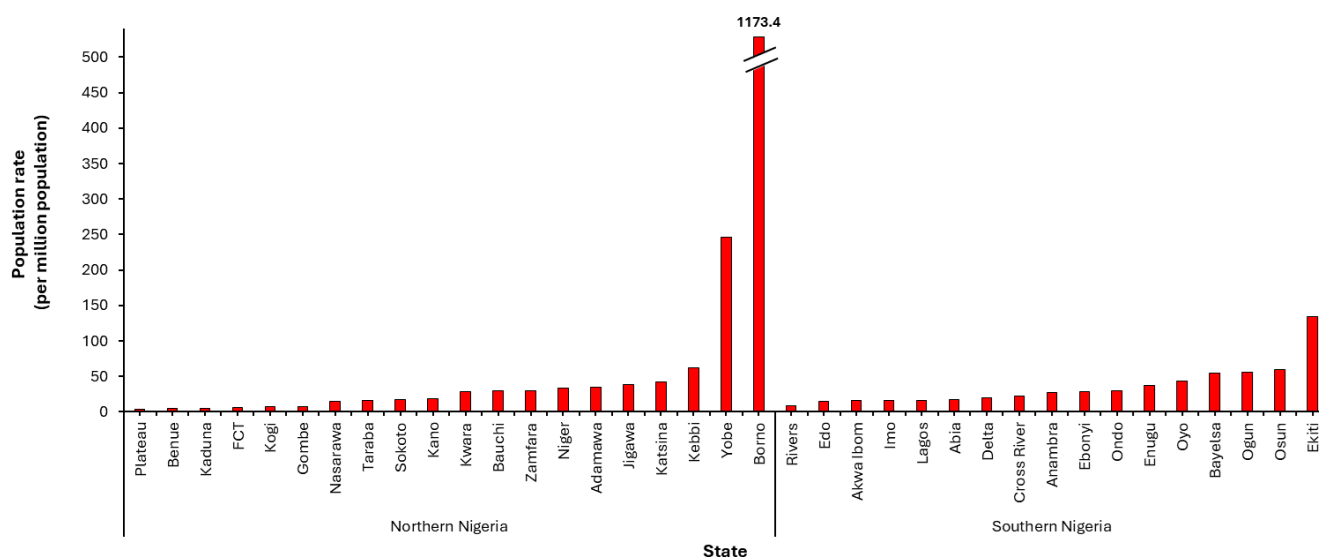
Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), June, 2024
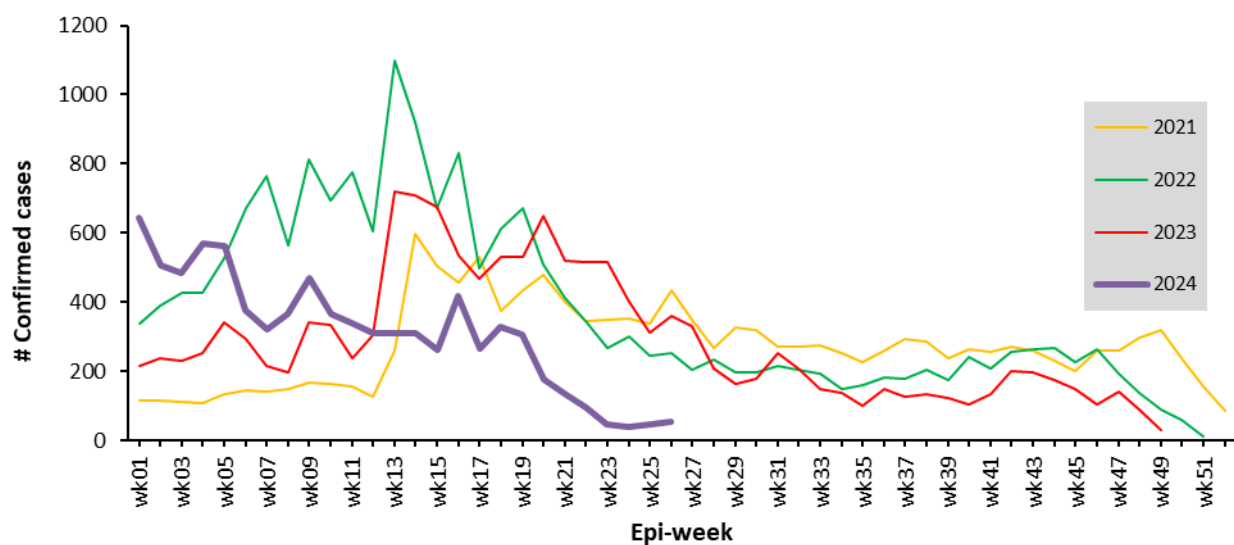
Figure 5: Trend of confirmed measles cases in Nigeria, 2021 – 2024 (epi-week 01 – 52)
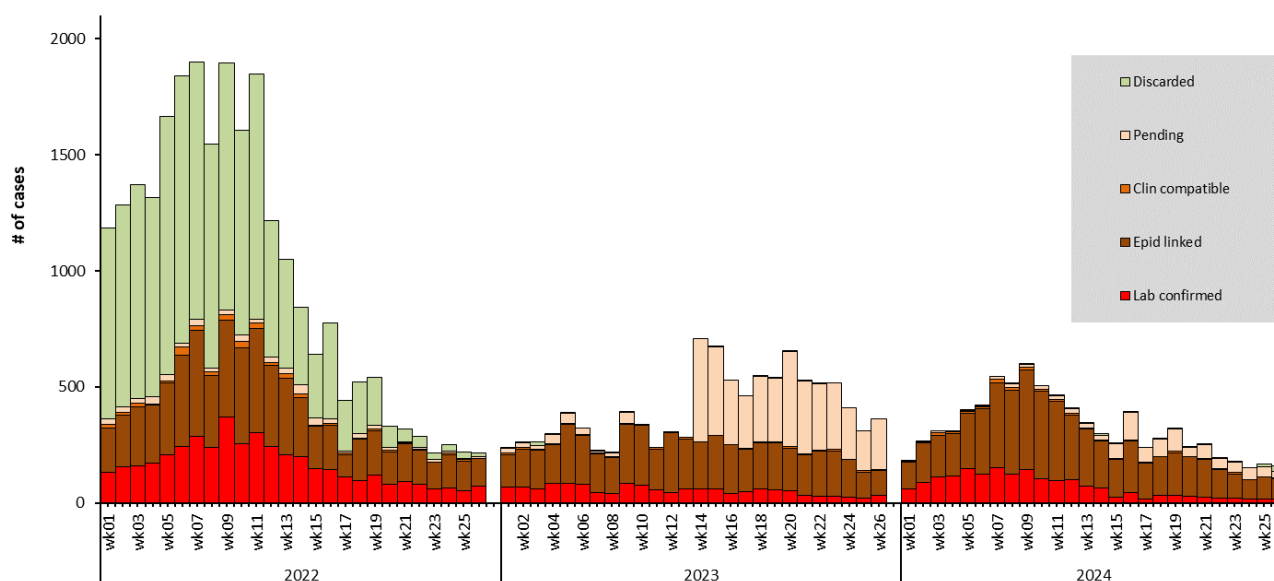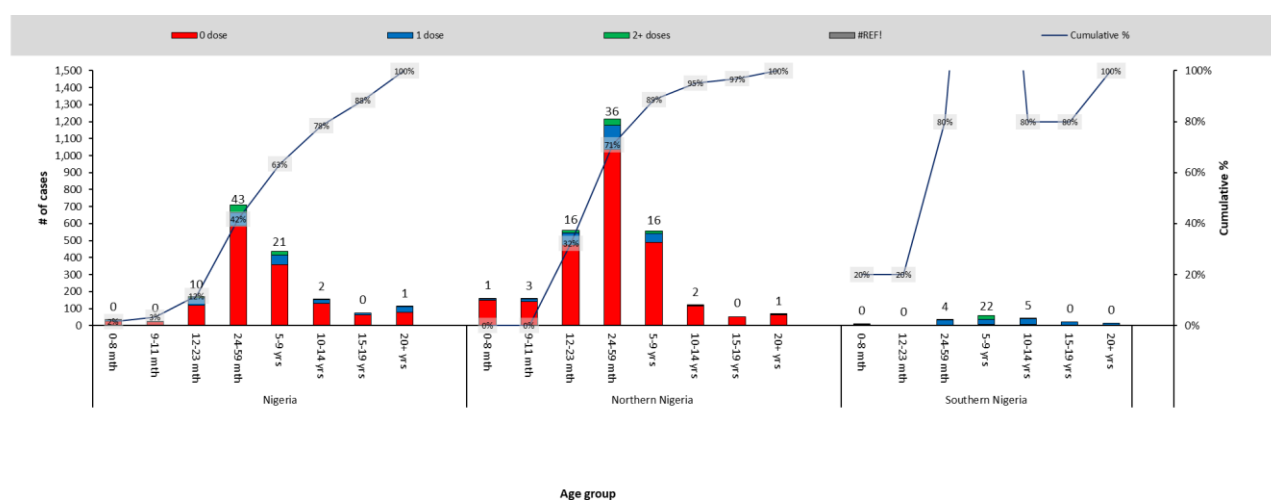

Figure 6: Vaccination status and age distribution lab confirmed measles cases in Nigeria (Northern vs Southern zone), June, 2024

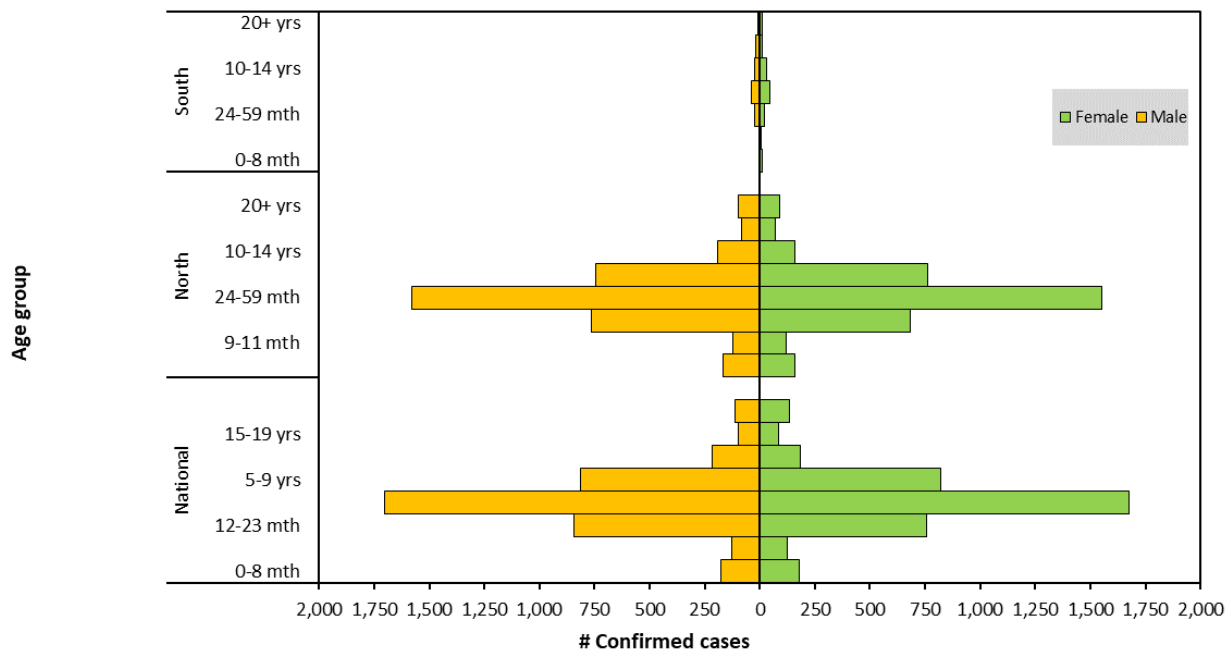**Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), June, 2024**
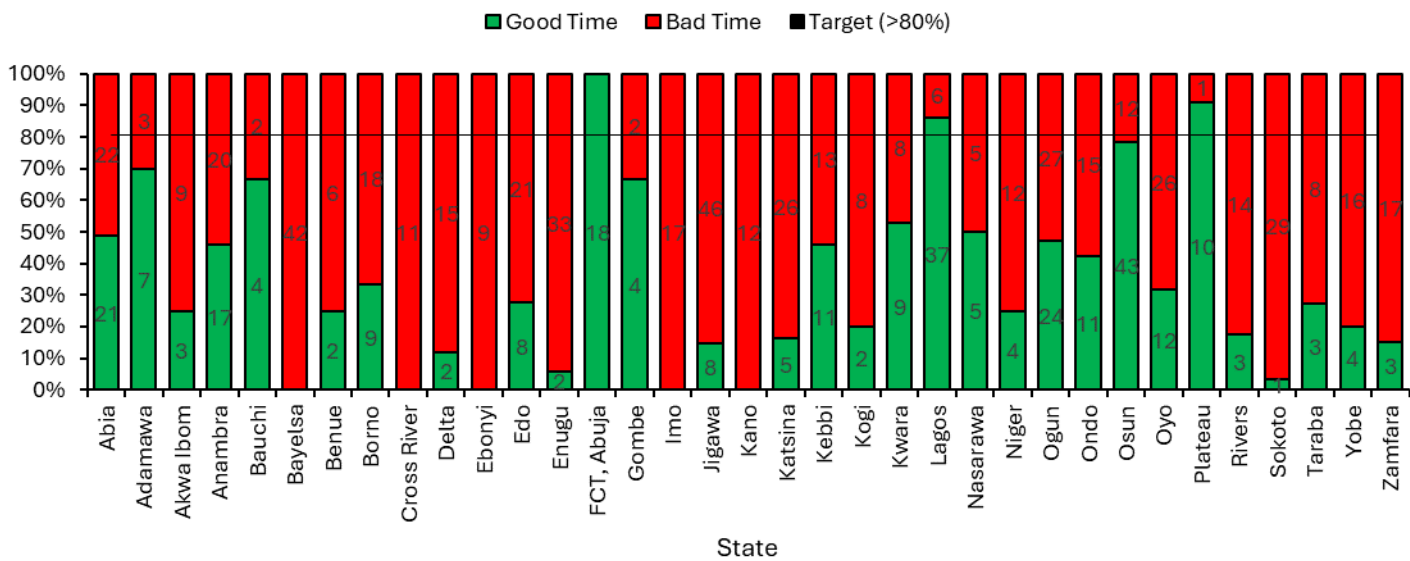

Figure 8: Proportion of measles samples reaching the laboratory in good time, Jan –Jun, 2024
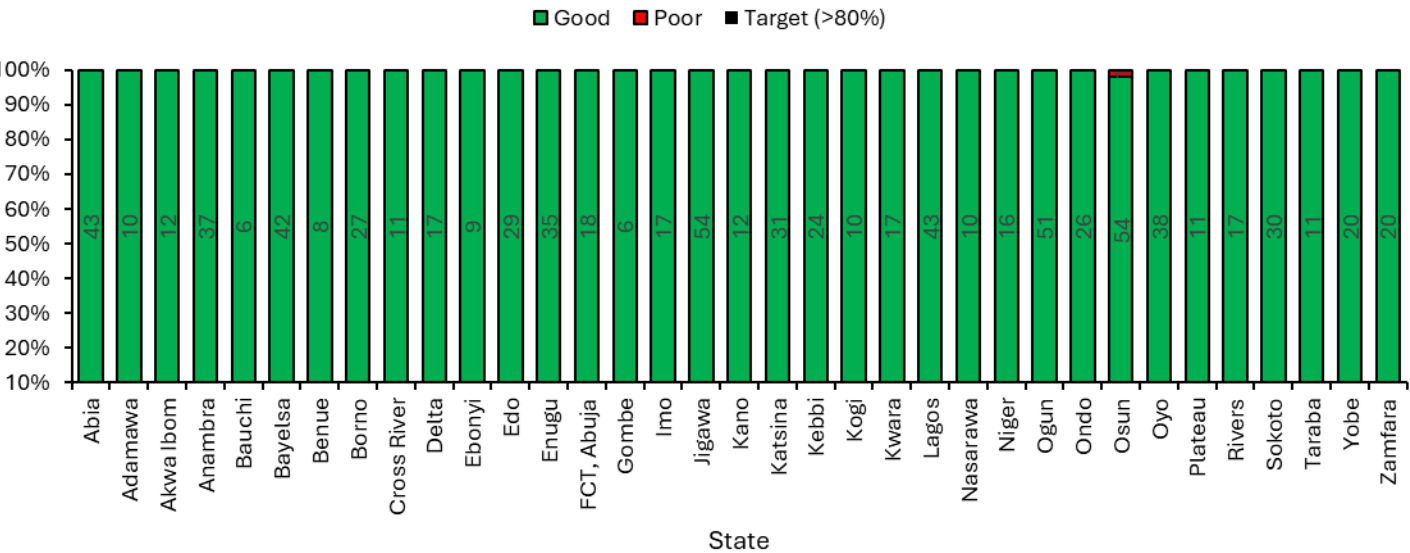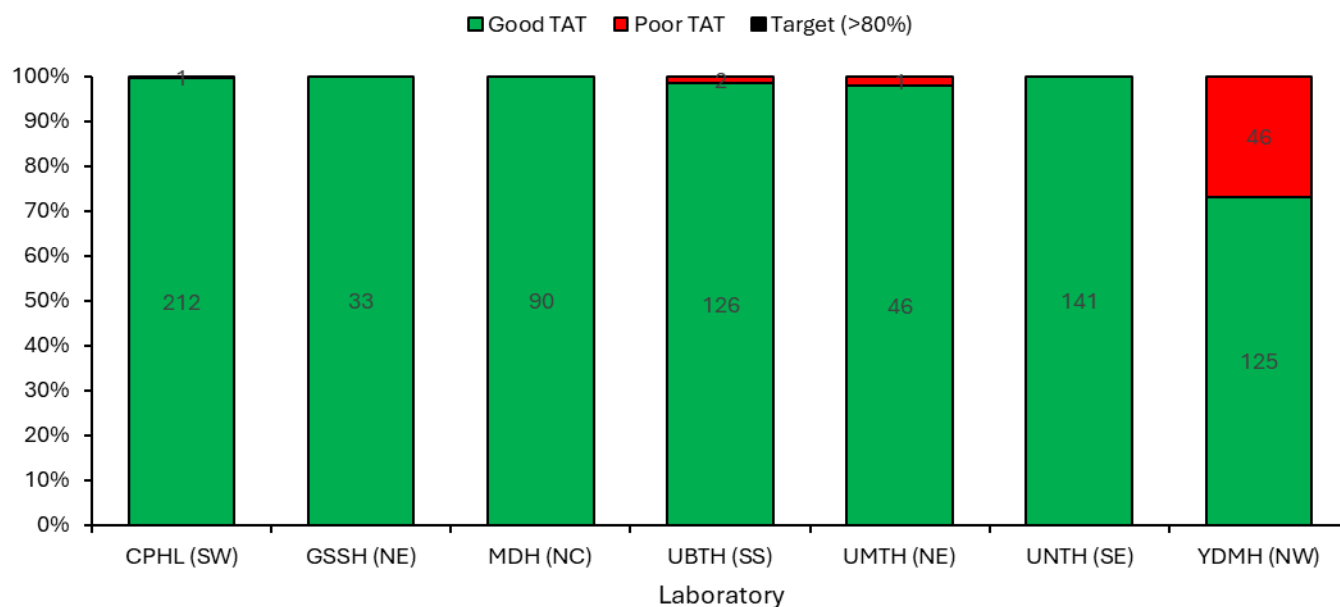

Figure 9: Proportion of measles samples getting to the lab in good condition, Jan – Jun, 2024

Figure 10: Proportion of measles samples with good turnaround time, Jan – Jun 2024

Key Activities Conducted

- **Coordination:**
    - National Measles Outbreak Response Capacity Building Training of Trainers
    - Workshop to validate National Measles Elimination Strategic Plan 2019 – 2028
    - Supportive Supervisory visit to the eight (8) Measles, Rubella and Yellow Fever laboratories.
    - Validation of Measles Outbreak Preparedness and Response (MOBR) Training materials
    - Ongoing Measles Outbreak Response (MOBR) Capacity Building Project.
    - National Measles TWG closely monitoring measles surveillance data and providing feedback to relevant agencies and development partners.
    - Virtual biweekly measles TWG meetings – via zoom.
    - Monthly surveillance data review.
    - Weekly surveillance and laboratory data harmonization ongoing.
- **Laboratory:**
    - Testing of samples ongoing in the eight Reference Laboratories across the country.
    - Weekly harmonisation of laboratory results from across the laboratories ongoing.
    - Weekly feedback of key performance indicators to measles laboratories.
- **Vaccine and Logistics:**
    - Planning for year 2024 supplementary immunization activities

Challenges

- Delay in reporting cases into the SORMAS database from states/LGAs
- Delay in accessing case-based data for analysis

Next Steps

- Follow up with states in outbreak for ongoing response activities and challenges in the various states
- Follow up with states (State Epids and SSO) and measles reference laboratories on using SORMAS in timely collecting and transmitting surveillance and laboratory data respectively.
- Weekly measles surveillance data review.
- Weekly/monthly tracking of surveillance and laboratory performance indicators and feedback.
- Virtual biweekly measles TWG meetings for timely review of measles surveillance data and feedback.