MEASLES SITUATION REPORT

Serial Number 01
Data as at January 31st 2024

NCDC
NIGERIA CENTRE FOR DISEASE
CONTROL AND PREVENTION
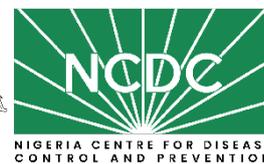
HIGHLIGHTS

- **In January, 2024:**
  - In January, Borno (1253), Ogun (77), Jigawa (72), Katsina (66) and Ekiti (60) accounted for 70.8% of the 2156 suspected cases reported
  - Of the 2,157 suspected cases reported (66.8%) were confirmed (224 lab-confirmed, 1048 clinically compatible and 170 epidemiologically linked), 540 (25.1%) were discarded & 175 (8.1%) were pending
  - A total of 301 LGAs across 35 states reported at least one suspected case
  - A total of 110 LGAs across 25 states reported at least one confirmed case
  - Fourteen (14) deaths were recorded **(13 from clinically compatible cases and 1 from discarded case)**

- **Comparing January, 2023 to January, 2024:**
  - In January 2023, a total of 2,748 cases were reported while in January 2024, 2,157 suspected cases were reported.
  - Of the suspected cases reported in 2023, states that reported highest number of cases are; Borno (1,446), Zamfara (124), Bauchi (84), Katsina (76), and Ondo (76) while in 2024, Borno (1255), Ogun (77), Jigawa (72), Katsina (66) and Ekiti (60) reported highest number of cases
  - The age group 9 - 59 months accounted for over 60% of the cases across the two years. In January 2023, a total of 6 deaths (CFR = 0.2%) was recorded while in January 2024, 14 deaths (CFR = 0.64%) was recorded
  - In January 2023 & 2024 over 60% of the cases did not receive any dose of measles vaccine ("zero dose")

- **Measles outbreaks as at January 31st 2024:**
  - In January 2024, 49 LGAs across 16 states (Kaduna (9); Borno (7); Bauchi and Sokoto (4) each; Jigawa (3); Katsina, Zamfara, Benue, Kwara, Yobe, (2) each; Taraba, Kebbi, Gombe, Niger, Adamawa, and Kano (1) each.
  - Cummulatively, a total of 43 LGAs across 16 states recorded at least one measles outbreak in January this year

SITUATION UPDATES
January, 2024

SUSPECTED CASES
2,156

States With Suspected Cases
34 + FCT

LGAs with Suspected Cases
301

CONFIRMED CASES
1440

States with Confirmed Cases
25

LGAs with Confirmed Cases
110

DEATHS AMONG CONFIRMED CASES
13

MEASLES OUTBREAKS
49

States with Ongoing Measles Outbreaks
16

LGAs with Ongoing Measles Outbreaks
41

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

| States	# Suspected cases	# Confirmed cases (%)	Classification of confirmed cases			% of confirmed cases aged 9-59 months	% of confirmed cases that are "zero dose"
			Lab. confirmed	Epid. linked	Clin. Compatible		
NORTH	**1764**	**1408 (79.8)**	**192**	**1046**	**170**	**67.0**	**82.0**
Adamawa	34	0 (0.0)	0	0	0	0.0	0.0
Bauchi	58	16 (27.6)	16	0	0	43.8	100.0
Benue	27	19 70.4)	19	0	0	42.1	100.0
Borno	1253	1231 (98.2)	47	1043	141	68.4	81.8
FCT, Abuja	2	0 (0.0)	0	0	0	0.0	0.0
Gombe	31	11 (35.5)	8	3		45.5	81.8
Jigawa	72	21 (29.2)	21	0	0	52.4	90.5
Kaduna	1	0 (0.0)	0	0	0	0.0	0.0
Kano	40	13 (32.5)	13	0	0	76.9	100.0
Katsina	66	18 (27.3)	18	0	0	77.8	61.1
Kebbi	19	6 (31.6)	6	0	0	16.7	100.0
Kogi	14	2 (14.3)	2	0	0	50.0	100.0
Kwara	36	16 44.4)	16	0	0	43.8	100.0
Nasarawa	13	7 (53.8)	7	0	0	57.1	28.6
Niger	22	10 (45.5)	10	0	0	80.0	0.0
Plateau	14	6 (42.9)	5	0	1	16.7	100.0
Sokoto	0	0 (0.0)	0	0	0	0.0	0.0
Taraba	10	0 (0.0)	0	0	0	0.0	0.0
Yobe	43	29 (67.4)	1	0	28	75.9	89.7
Zamfara	9	3 (33.3)	3	0	0	66.7	100.0
SOUTH	**392**	**32 (8.16)**	**32**	**0**	**0**	**21.9**	**12.5**
Abia	22	4 (18.8)	4	0	0	0.0	25.0
Akwa Ibom	12	0 (0.0)	0	0	0	0.0	0.0
Anambra	16	2 (12.5)	2	0	0	0.0	0.0
Bayelsa	14	3 (21.43)	3	0	0	66.7	0.0
Cross River	9	3 (33.3)	3	0	0	66.7	0.0
Delta	16	1 (6.3)	1	0	0	0.0	0.0
Ebonyi	3	0 (0.0)	0	0	0	0.0	0.0
Edo	0	0 (0.0)	0	0	0	0.0	0.0
Ekiti	60	0 (0.0)	0	0	0	0.0	0.0
Enugu	31	0 (0.0)	0	0	0	0.0	0.0
Imo	12	1 (8.3)	1	0	0	0.0	100.0
Lagos	40	0 (0.0)	0	0	0	0.0	0.0
Ogun	77	3 (3.9)	3	0	0	0.0	33.3
Ondo	28	4 (14.3)	4	0	0	0.0	0.0
Osun	19	4 (21.1)	4	0	0	75.0	25.0
Oyo	32	7 (21.9	7	0	0	0.0	0.0
Rivers	1	0 (0.0)	0	0	0	0.0	0.0
TOTAL	**2156**	**1440**	**224**	**1046**	**170**	**66.0**	**80.5**
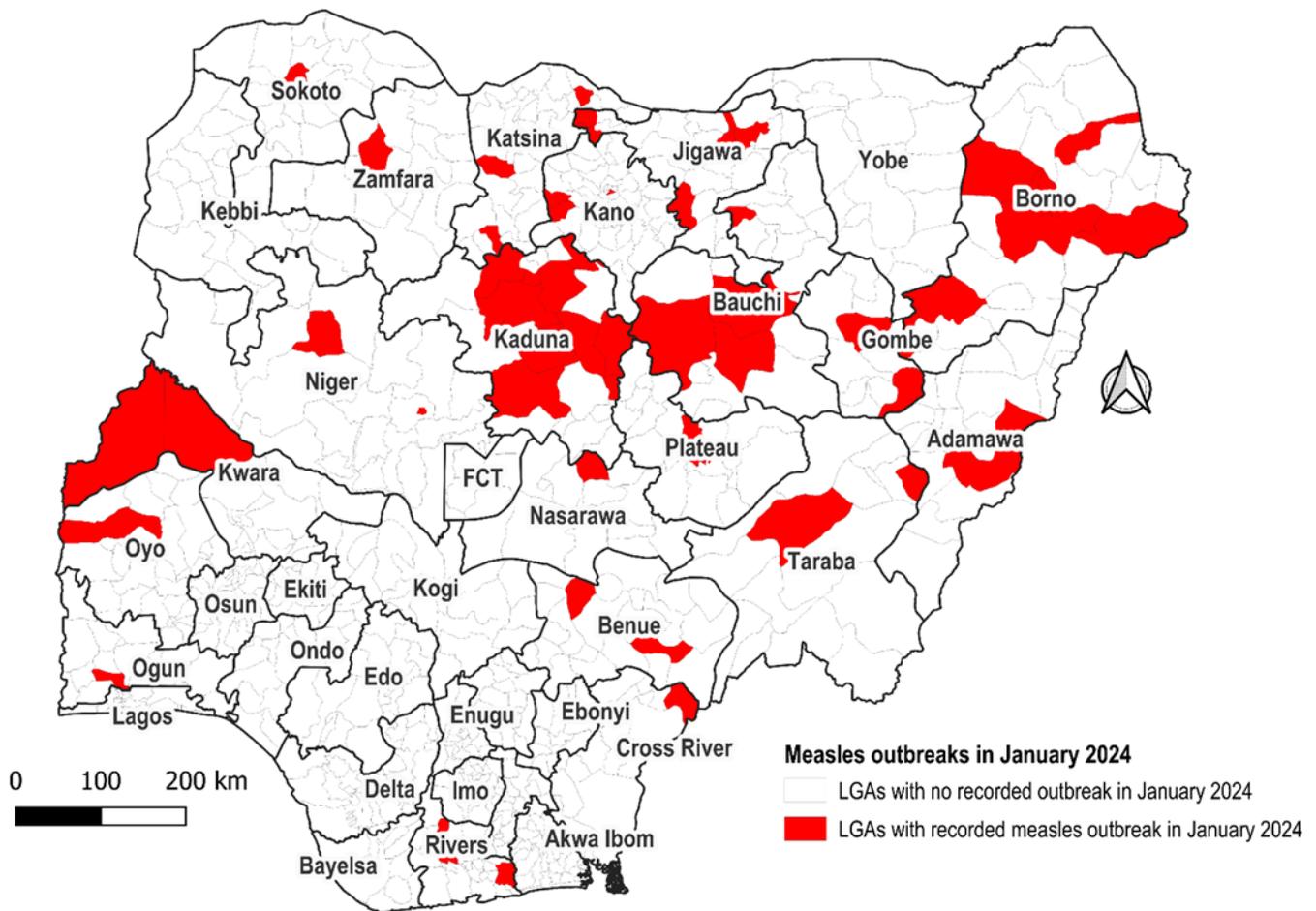
Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan 2024

Table 2: Trend of measles surveillance performance indicators, Jan – Dec, 2021 – 2023

Surveillance Performance Indicator	Target	2021 (Jan)	2022 (Jan)	2023 (Jan)	2024 (Jan)
Annualized measles Incidence	< 1/million population	36.8	240.7	98.7	53.4
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	0.2	5.3	3.9	3.1
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	68.30%	33.20%	77.60%	94.80%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	25.30%	59.40%	44.60%	36.60%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	0.3	0.8	0.5	0.4
Proportion of lab confirmed measles cases	< 10%	26.40%	14.60%	15.90%	21.30%
Proportion of serum specimens arriving measles laboratory in good condition	≥ 90%	93%	87%	95%	86.8
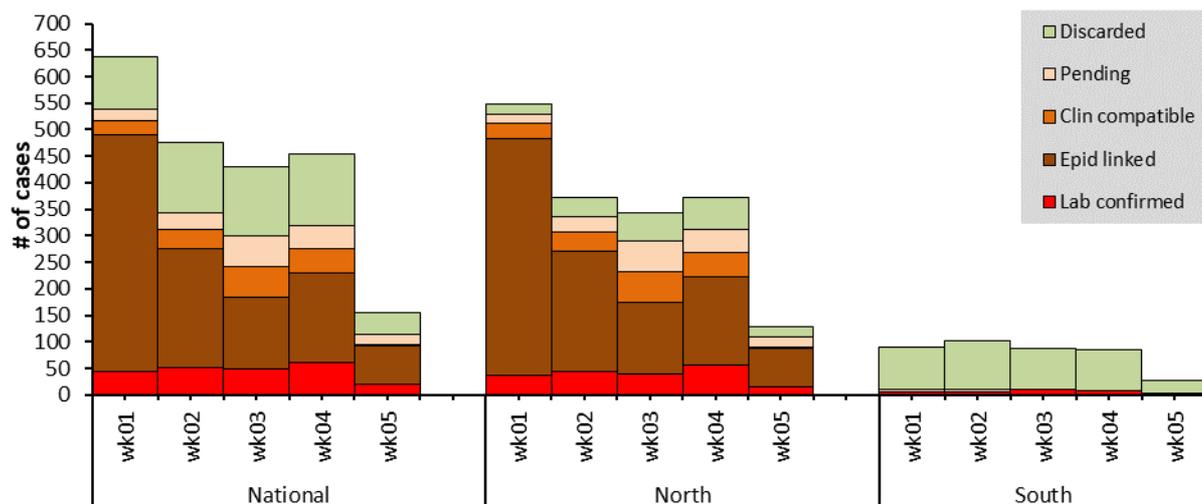
Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), Jan, 2024
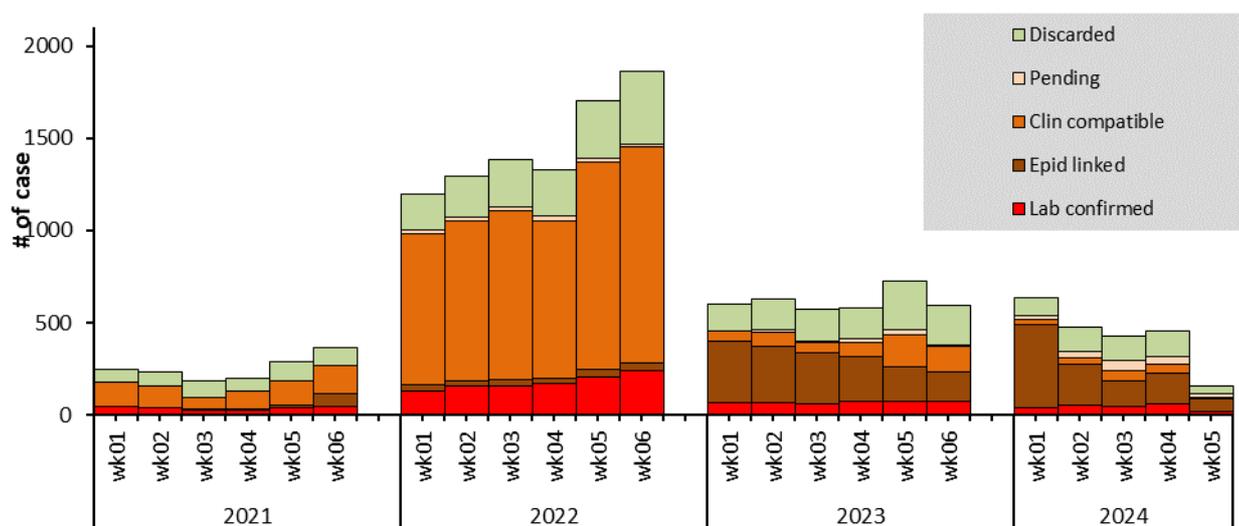

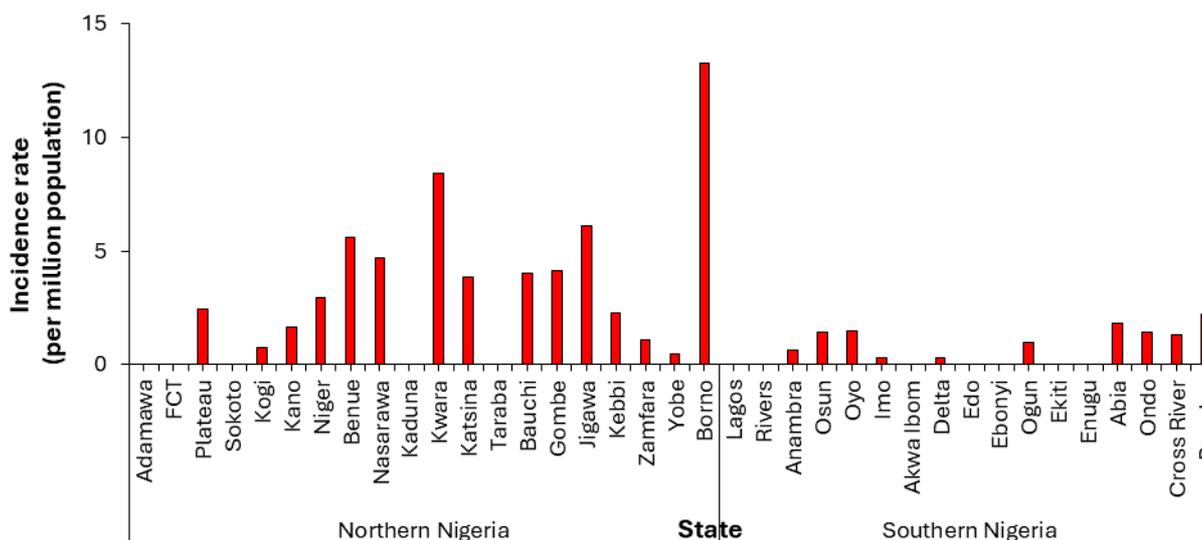**Figure 3: Epi-curve of confirmed measles cases in Nigeria, 2021 – 2024 (Jan)**

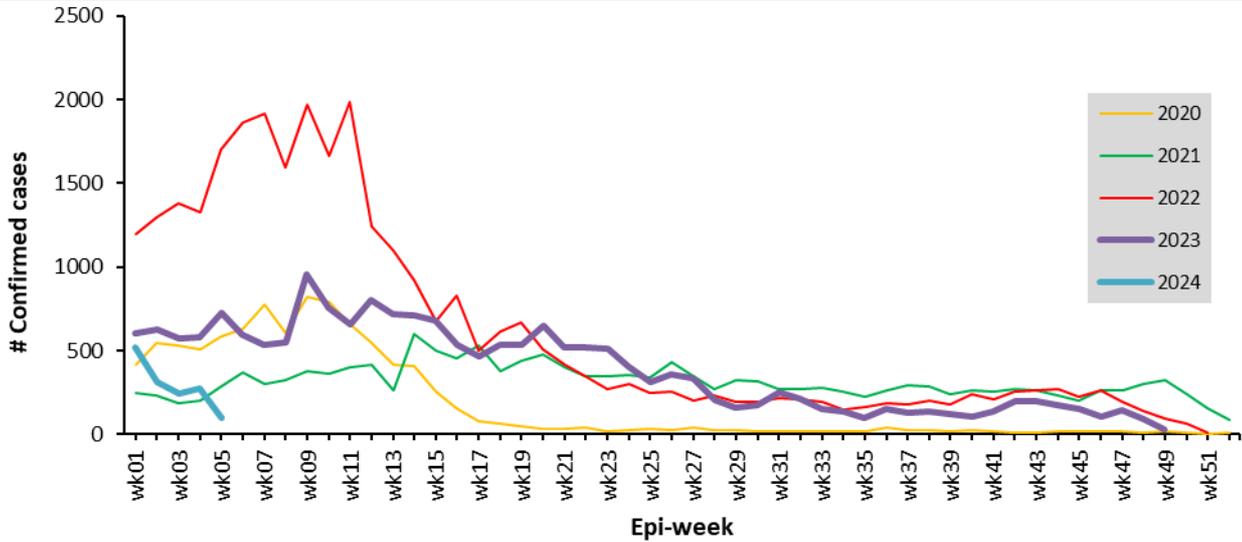**Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), Jan, 2024**

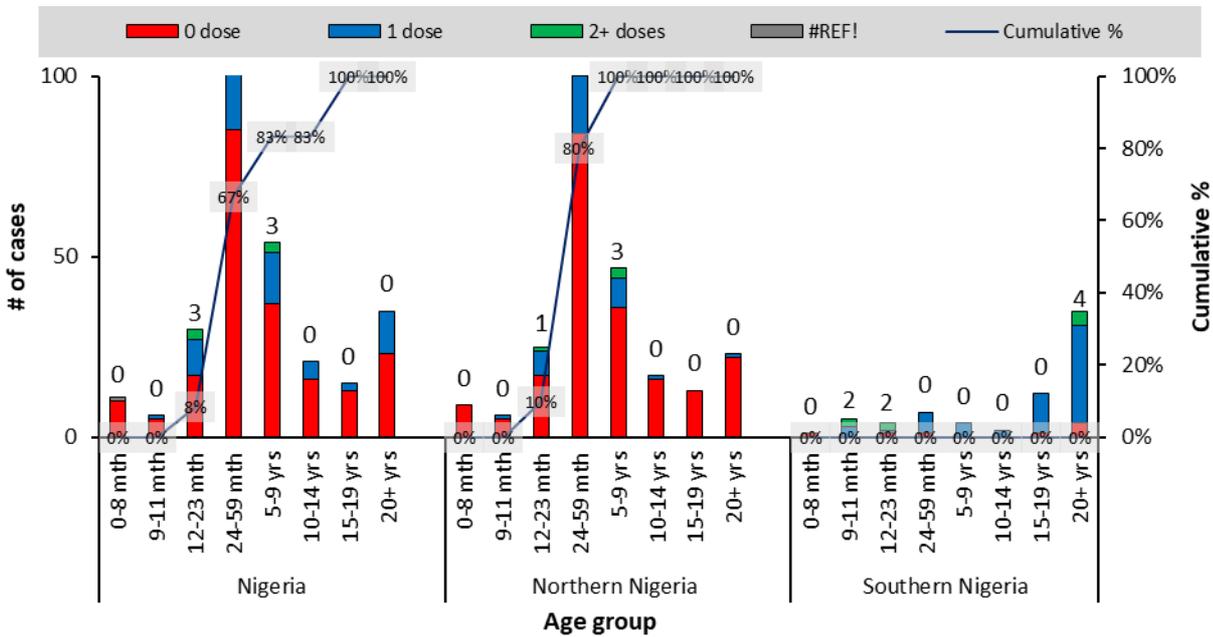**Figure 5: Trend of confirmed measles cases in Nigeria, 2020 – 2023 (epi-week 01 – 52)**

Figure 6: Vaccination status and age distribution lab confirmed measles cases in Nigeria (Northern vs Southern zone), Jan, 2024
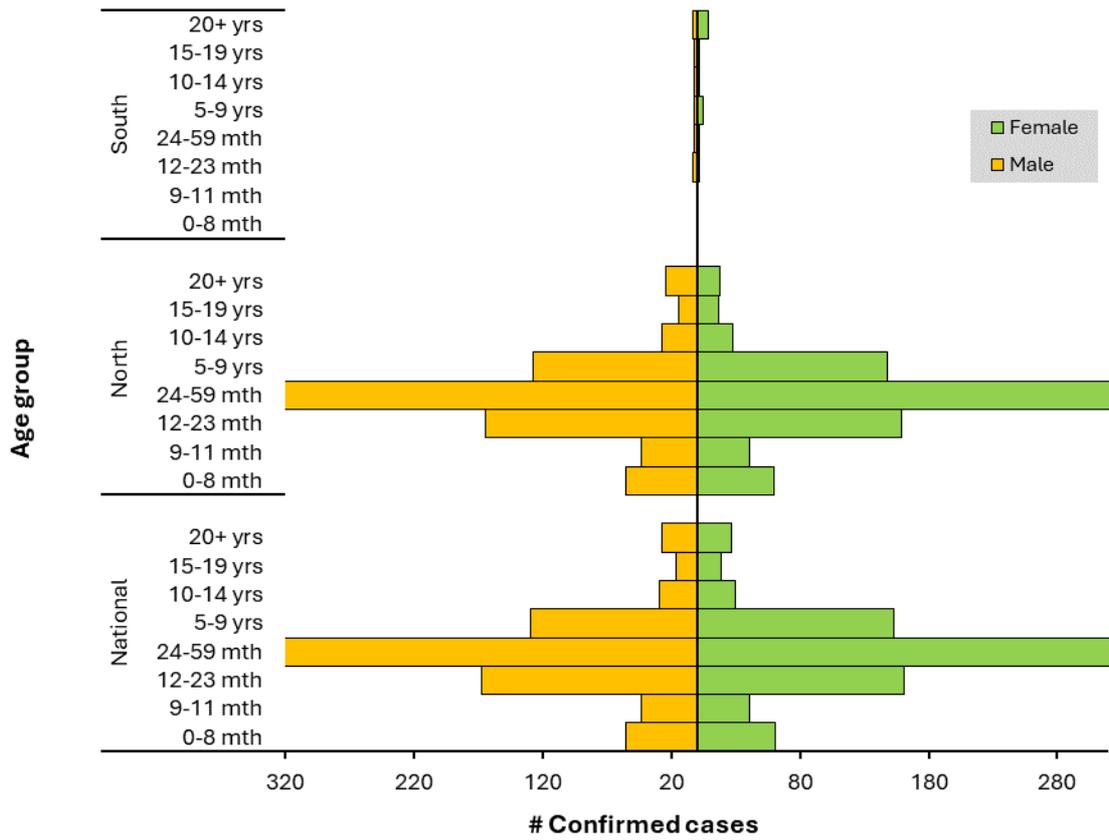
Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), Jan, 2024
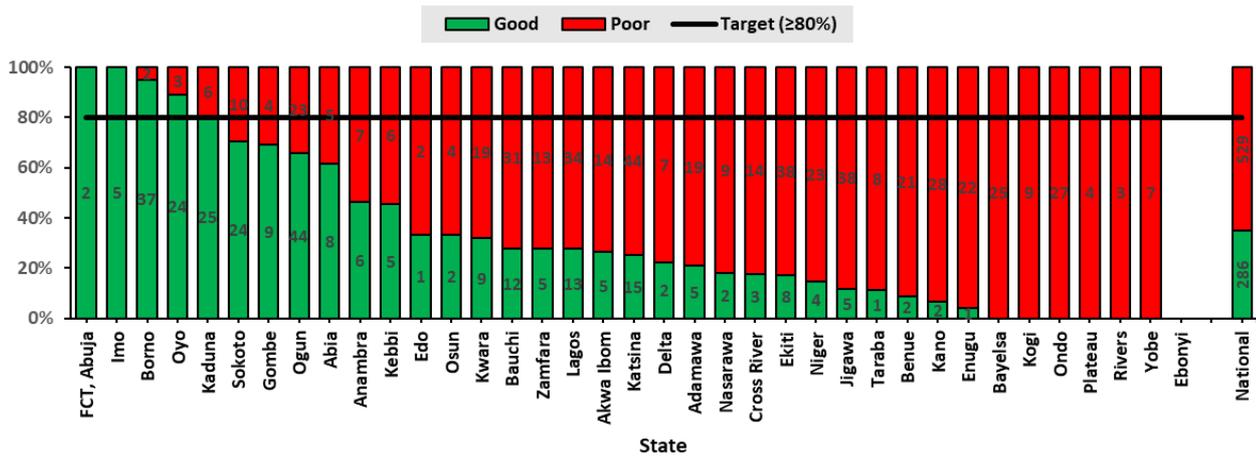
Figure 8: Proportion of measles samples reaching the laboratory in good time, Jan 2024
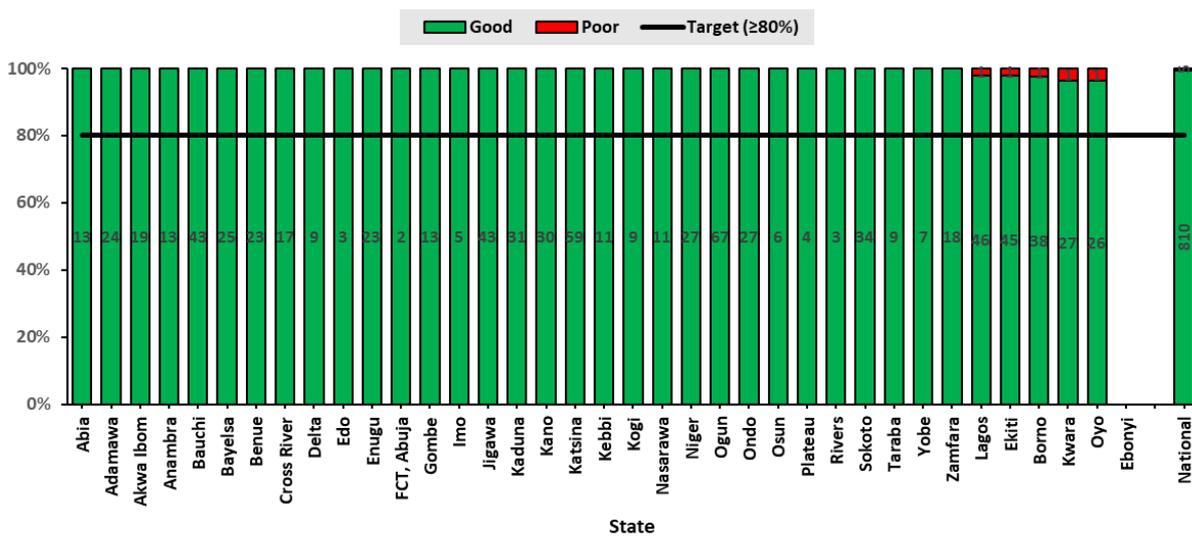

Figure 9: Proportion of measles samples getting to the lab in good condition, Jan 2024
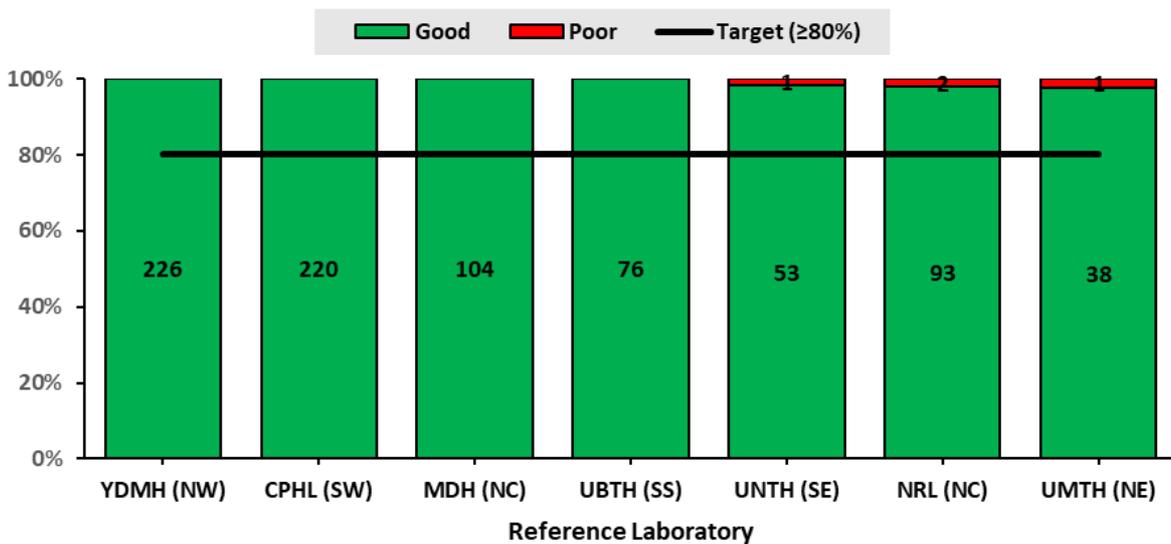

Figure 10: Proportion of measles samples with good turnaround time, Jan 2024

Key Activities Conducted

- **Coordination:**

  – 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.

Challenges

- Delay in reporting cases into the SORMAS database from states/LGAs

Next Steps

- 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.