MEASLES SITUATION REPORT

Serial Number 02

Data as at February 29th 2024

HIGHLIGHTS

- **In February, 2024:**
  - Borno (626), Osun (139), Katsina (117), Lagos (111), Ogun (104), Jigawa (99), Kebbi (97) and Bauchi (88) accounted for 61.07% of the 2261 suspected cases reported
  - Of the suspected cases reported, 878 (38.8%) were confirmed (338 lab-confirmed & 428 epidemiologically linked, 112 clinically compatible), 318 (14.06%) were discarded & 1065 (47.23%) were pending
  - A total of 438 LGAs across 36 States + FCT reported at least one suspected case
  - Two (2) deaths was recorded from confirmed cases
- **From January – February, 2024:**
  - Borno (2395), Ogun (184), Katsina (183), Jigawa (171), Lagos (161) and Osun (161) accounted for 63.83% of the 5,099 suspected cases reported
  - Of the suspected cases reported, 2,985 (58.54%) were confirmed (713 lab-confirmed, 1987 epi-linked and 285 clinically compatible), 390 (7.64%) were discarded and 1724 (57.75%) were pending classification
  - The age group 9 - 59 months accounted for 3975 (77.9%) of all confirmed cases
  - A total of 20 deaths (CFR = 0.39%) were recorded among confirmed cases
  - Up to 2489 (83.4%) of the 2985 confirmed cases did not received any dose of measles vaccine (“zero dose”)
- **Measles outbreaks as at February 29th 2024:**
  - In total, 20 states across 102 LGAs are undergoing one form of measles outbreak or the other
  - Nineteen (19) LGAs across 13 states recorded new measles outbreak in the last week of February (epi-week 09)
  - Seventy-five (75) LGAs across 19 States have ongoing measles outbreak by February ending
  - Eight (8) LGAs across 6 states ended their measles outbreak by end of February 2024

SITUATION UPDATES

 # Jan - Feb (# New in Feb)

SUSPECTED CASES

5,099 (2261)

States With Suspected Cases

36 + FCT

LGAs with Suspected Cases

614 (438)

CONFIRMED CASES

2,985 (878)

States with Confirmed Cases

37 + FCT

LGAs with Confirmed Cases

240

DEATHS AMONG CONFIRMED CASES

20 (2)

MEASLES OUTBREAKS

102 (51)

States with Ongoing Measles Outbreaks

20 (2)

LGAs with Ongoing Measles Outbreaks

75 (24)

Table 1: Distribution of key measles surveillance variables by states, February 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	3,869	2,910 (75.2%)	638	1987	285	69.3%	87.3%
Adamawa	53	26 (49.1%)	26	0	0	26.3%	95.0%
Bauchi	146	69 (47.3%)	69	0	0	55.1%	90.6%
Benue	70	42 (60.0%)	42	0	0	33.9%	95.1%
Borno	2,395	2,335 (97.5%)	97	1973	265	73.7%	85.2%
FCT, Abuja	26	16 (61.5%)	16	0	0	33.3%	88.9%
Gombe	39	26 (66.7%)	23	3	0	62.9%	89.3%
Jigawa	171	30 (17.5%)	30	0	0	56.5%	97.2%
Kaduna	115	69 (60.0%)	67	0	2	54.7%	100.0%
Kano	77	21 (27.3%)	21	0	0	61.3%	91.5%
Katsina	183	35 (19.1%)	35	0	0	63.3%	92.3%
Kebbi	119	25 (21.0)	25	0	0	61.8%	79.0%
Kogi	32	7 (21.9%)	7	0	0	35.5%	80.6%
Kwara	108	41 (38.0%)	41	0	0	30.0%	93.3%
Nasarawa	44	23 (52.3%)	23	0	0	40.0%	63.3%
Niger	63	24 (38.1%)	24	0	0	65.0%	81.5%
Plateau	21	6 (28.6%)	5	0	1	36.7%	96.7%
Sokoto	83	47 (56.6%)	47	0	0	61.3%	100.0%
Taraba	15	6 (40.0%)	6	0	0	31.0%	19.0%
Yobe	43	35 (81.4%)	7	11	17	56.7%	94.9%
Zamfara	66	27 (40.9%)	27	0	0	84.7%	99.6%
SOUTH	1,230	75 (6.1%)	75	0	0	34.7%	22.1%
Abia	51	5 (9.8%)	5	0	0	35.4%	56.3%
Akwa Ibom	43	4 (9.3%)	4	0	0	25.7%	11.4%
Anambra	65	2 (3.1%)	2	0	0	35.0%	50.0%
Bayelsa	59	8 (13.6%)	8	0	0	38.3%	10.6%
Cross River	19	3 (15.8%)	3	0	0	37.1%	13.3%
Delta	35	1 (2.9%)	1	0	0	46.4%	17.9%
Ebonyi		0 (0.0%)	-	0	0	63.2%	47.4%

	12						
Edo	15	1 (6.7%)	1	0	0	38.9%	8.3%
Ekiti	116	2 (1.7%)	2	0	0	13.3%	6.7%
Enugu	77	2 (2.6%)	2	0	0	59.1%	59.1%
Imo	43	2 (4.7%)	2	0	0	8.3%	66.7%
Lagos	161	0 (0.0%)	-	0	0	45.9%	5.4%
Ogun	184	11 (6.0%)	11	0	0	18.9%	13.5%
Ondo	78	6 (7.7%)	6	0	0	31.6%	14.0%
Osun	161	7 (4.3%)	7	0	0	25.0%	10.0%
Oyo	100	20 (20.0%)	20	0	0	28.6%	8.3%
Rivers	11	1 (9.1%)	1	0	0	21.4%	28.6%
TOTAL	5,099	2,985 (58.5%)	713	1987	285	67.2%	83.4%

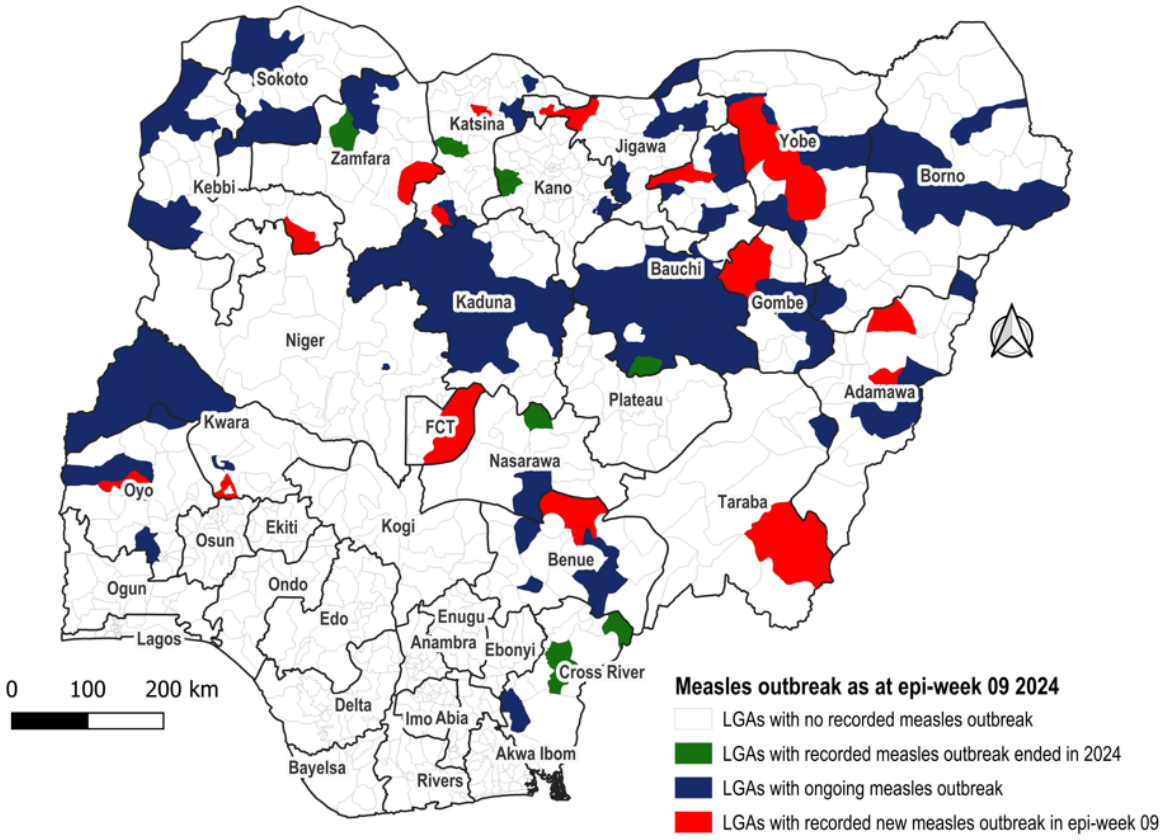

Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Feb 2024

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

Surveillance Performance Indicator	Target	2021 (Feb)	2022 (Feb)	2023 (Feb)	2024 (Feb)
Annualized measles Incidence	< 1/million population	41.3	261.9	91.5	71.8
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	2.0	6.5	3.9	4.1
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	52.6%	36.5%	774.5%	482.1%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	43.3%	82.4%	61.1%	67.3%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	2.9	11.8	5.5	6.1
Proportion of lab confirmed measles cases	< 10%	30.1%	38.7%	26.8%	28.7%
Proportion of serum specimens arriving measles laboratory in good condition	≥ 90%	93%	87%	95%	99.8

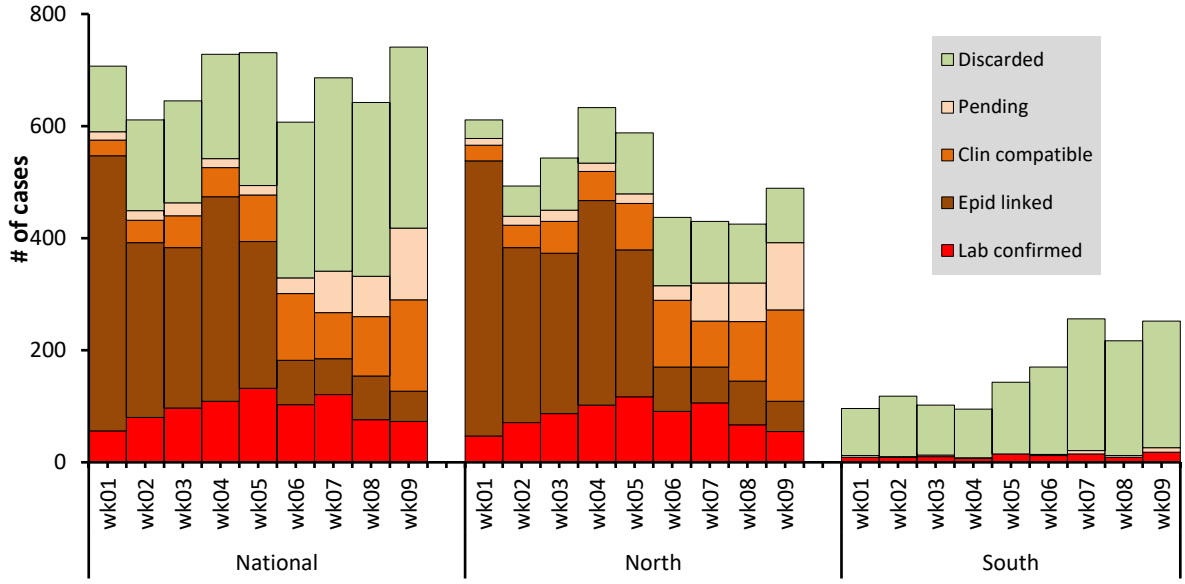

Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), Feb, 2024

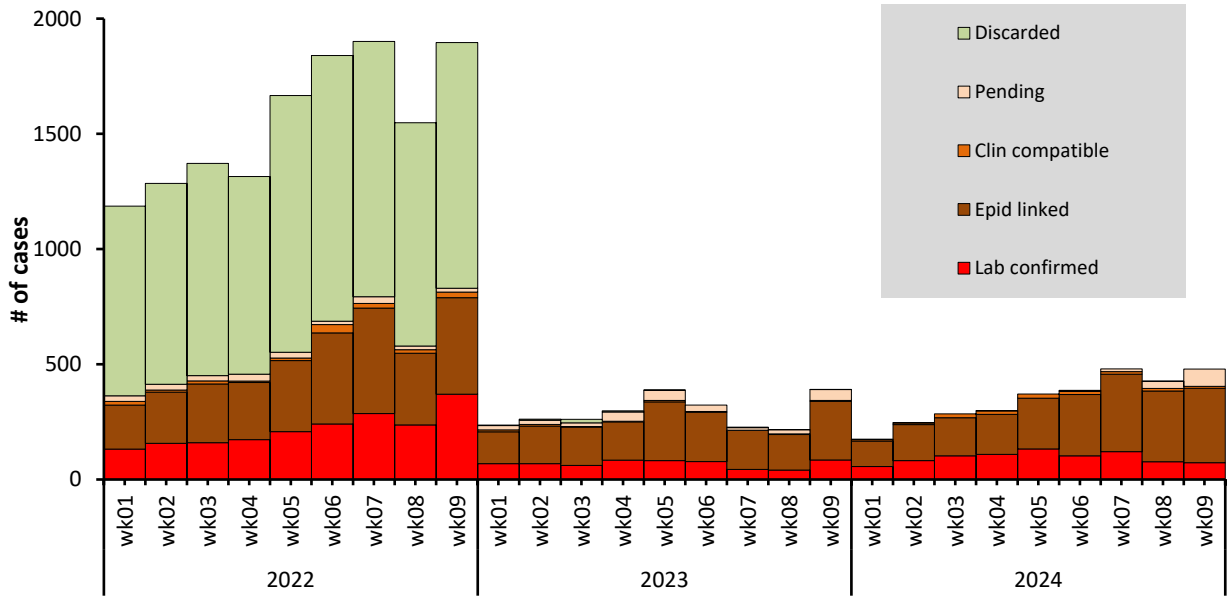

Figure 3: Epi-curve of confirmed measles cases in Nigeria, 2022 – 2024 (Feb)

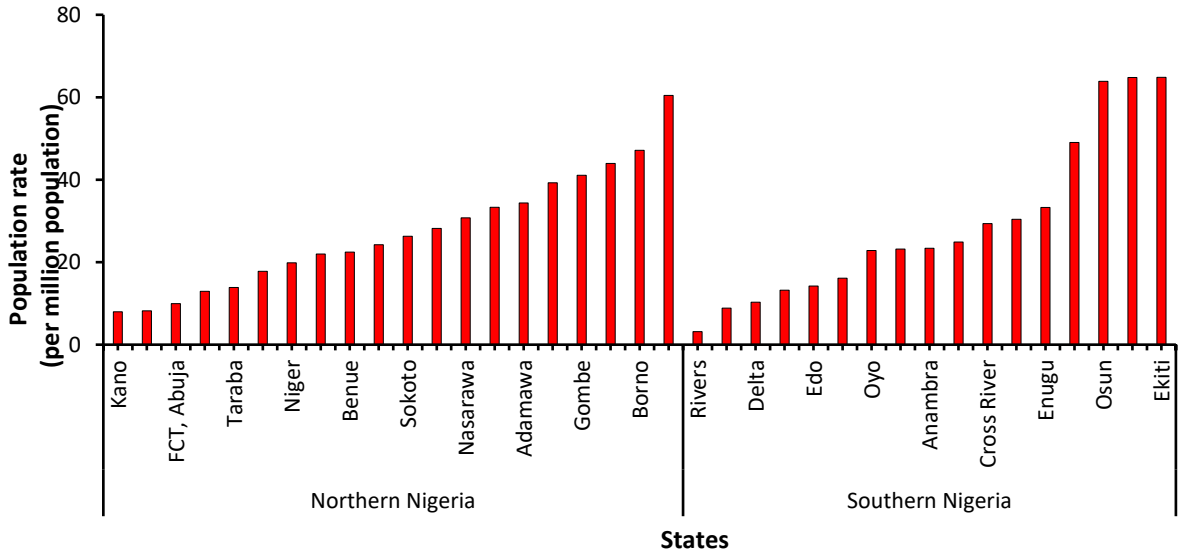

Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), Feb, 2024

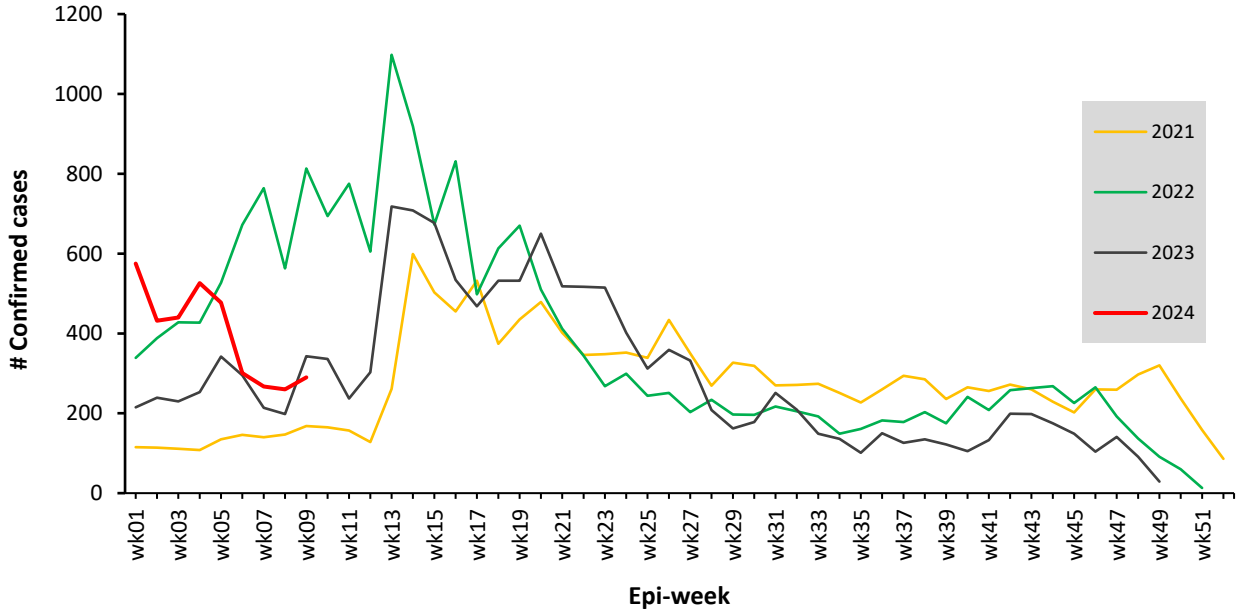

Figure 5: Trend of confirmed measles cases in Nigeria, 2021 – 2024 (epi-week 01 – 52)

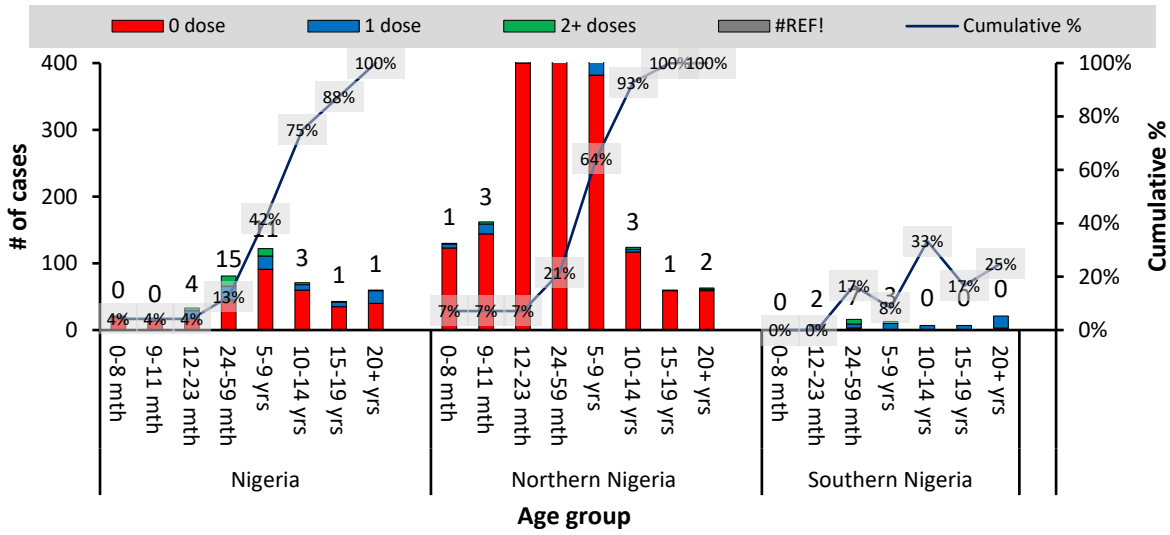

Figure 6: Vaccination status and age distribution lab-confirmed measles cases in Nigeria (Northern vs Southern zone), Feb, 2024

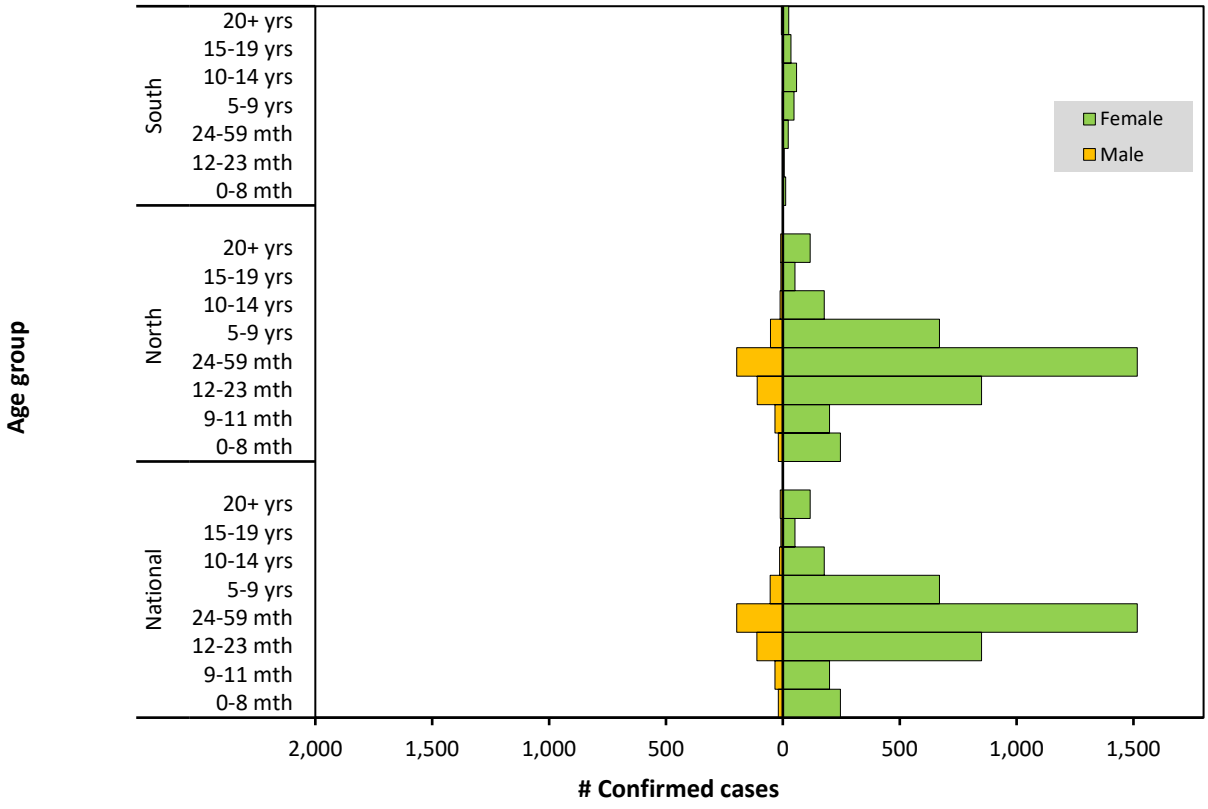

Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), Feb, 2024

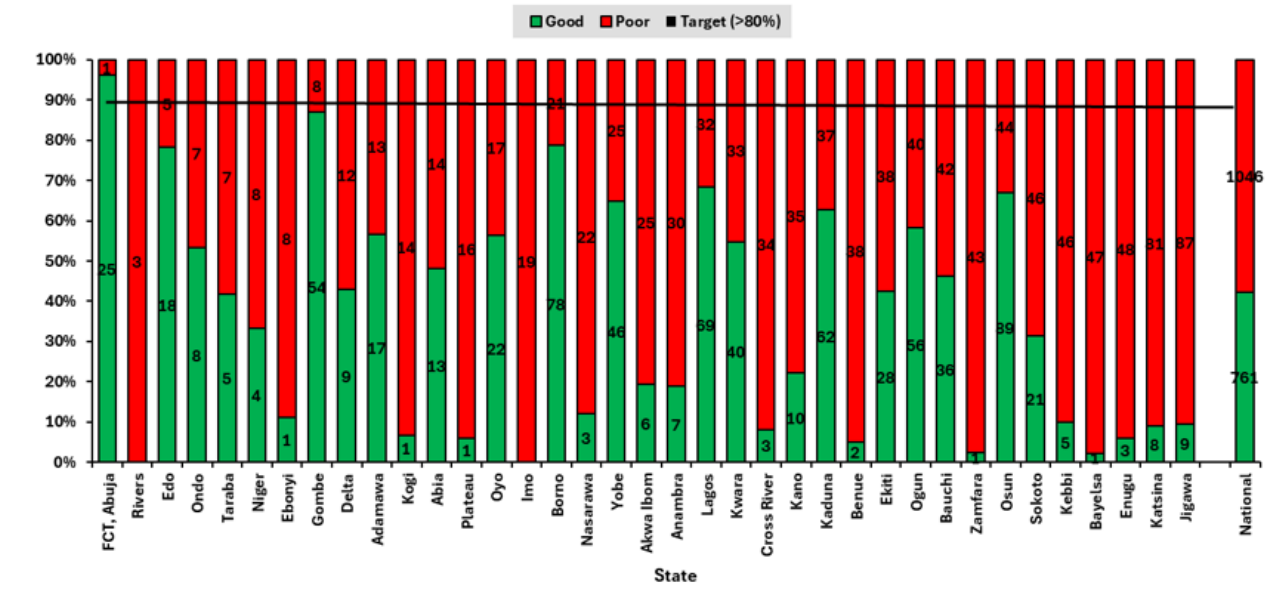

Figure 8: Proportion of measles samples reaching the laboratory in good time, Feb 2024

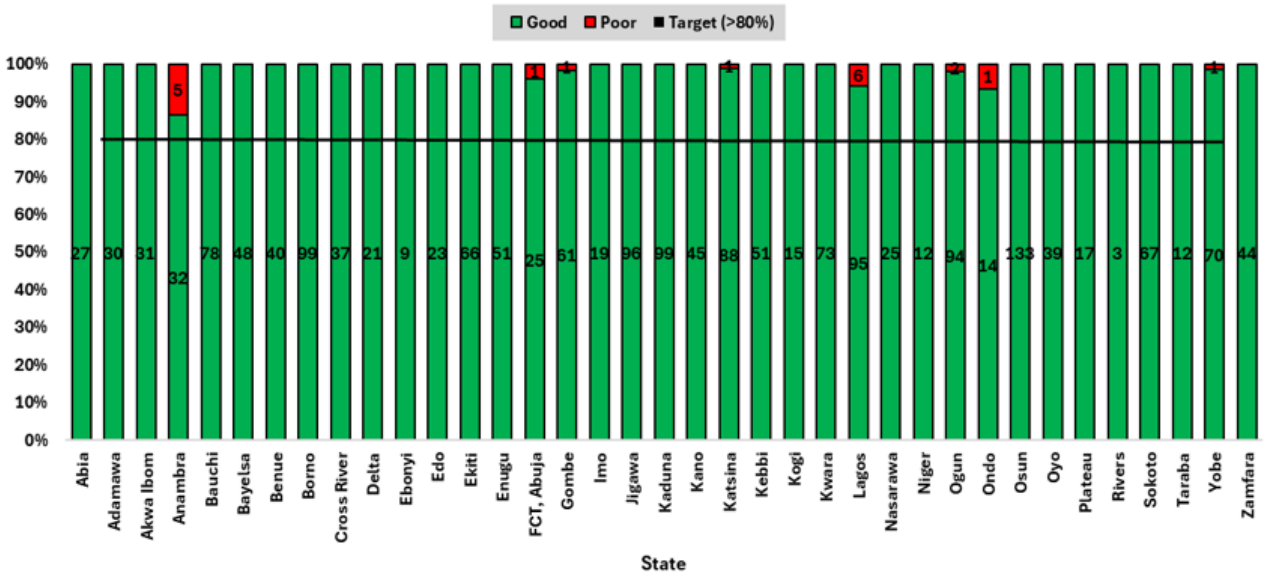

Figure 9: Proportion of measles samples getting to the lab in good condition, Feb 2024

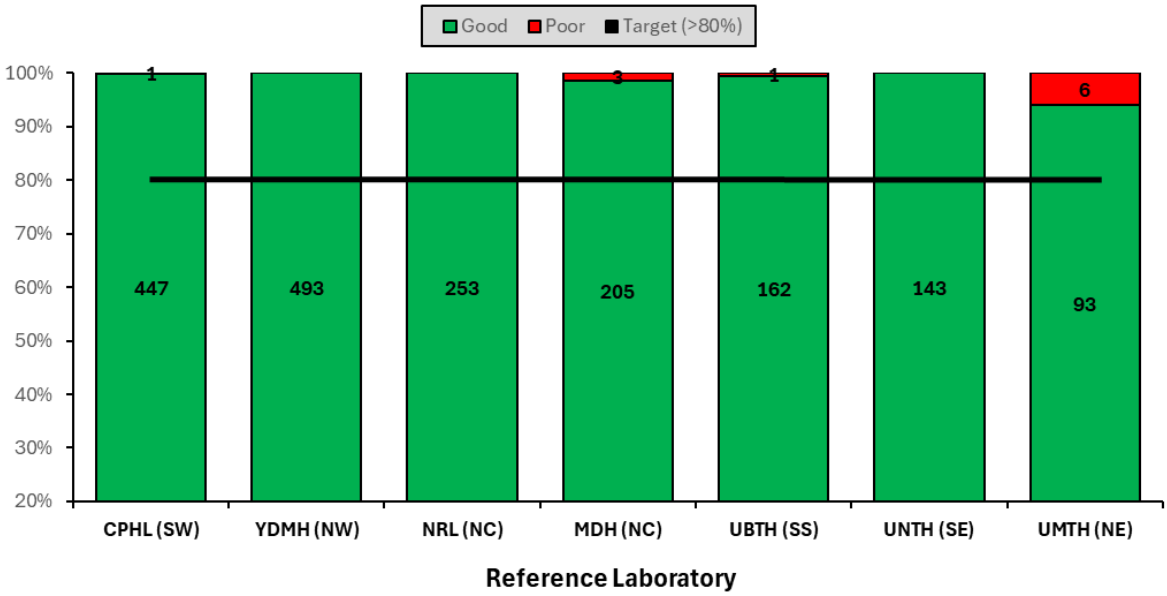

Figure 10: Proportion of measles samples with good turnaround time, Feb 2024

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

- Carry out research on measles transmissions in Nigeria
- Follow up with states in outbreak for response activities and challenges
- 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.