

MEASLES SITUATION REPORT

Serial Number 05

Data as at May 31st 2024



HIGHLIGHTS

– In May, 2024:

- Borno (329), Katsina (58), Osun (33), Bayelsa(30), Ogun (30), and Oyo (29) accounted for 62.92% of the 809 suspected cases reported
- Of the suspected cases reported, 348 (43.02%) were confirmed (28 lab-confirmed, 0 epidemiologically linked, 320 clinically compatible), 242 (29.91%) were discarded & 219 (27.07%) were pending
- A total of 228 LGAs across 28 States + FCT reported at least one suspected case
- Two (2) deaths was recorded from confirmed cases

– From January – May, 2024:

- Borno (4,273), Katsina (429), Osun (399), Lagos (387), Bauchi (374), Ogun (349), and Yobe (346) accounted for 60.32% of the 10,870 suspected cases reported
- Of the suspected cases reported, 5,645 (51.93%) were confirmed (1,248 lab-confirmed & 2,085 epidemiologically linked, 2,312 clinically compatible), 4,190 (38.55%) were discarded & 1,035 (9.52%) were pending
- The age group 9 - 59 months accounted for 2775 (64.3%) of all confirmed cases
- A total of 39 deaths (CFR = 0.69%) were recorded among confirmed cases
- Up to 4,066 (72.0%) of the 5,645 confirmed cases did not receive any dose of measles vaccine ("zero doses")

Measles outbreaks as at May 31st 2024:

- By end of May (epi-week 23 of 2024), a total of 263 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 with 14 LGAs each.
- Furthermore, 236 LGAs across 36 States have ended their measles outbreak as at epi-week 23
- Osun (14), Bauchi (13) and Ekiti (13) have the highest number of LGAs that have ended their outbreak this year.
- By end of May 2024, 24 LGAs across 14 States still have ongoing measles outbreak.
- Three (3) LGAs (Argungu, Kafur, and Nganzi) recorded new measles outbreak in epi-week 23

SITUATION UPDATES

Jan - May (# New in May.)

SUSPECTED CASES

10,870 (809)

States With Suspected Cases
36 + FCT

LGAs with Suspected Cases
683 (229)

CONFIRMED CASES

5,645 (348)

States with Confirmed Cases
36 + FCT

LGAs with Confirmed Cases
392(31)

DEATHS AMONG CONFIRMED CASES

39 (2)

MEASLES OUTBREAKS

263 (26)

States with Ongoing Measles Outbreaks
14 (0)

LGAs with Ongoing Measles Outbreaks
263 (3)



World Health Organization



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Table 1: Distribution of key measles surveillance variables by states, May 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	7,542	5,428 (72.0)	1,033	2085	2310	69.3%	87.2%
Adamawa	278	98 (35.3)	82	0	16	30.0%	95.0%
Bauchi	374	164 (43.9)	89	32	43	55.6%	90.5%
Benue	122	60 (49.2)	60	0	0	33.9%	95.1%
Borno	4,273	4,162 (97.4)	121	2018	2023	73.7%	85.2%
FCT, Abuja	57	35 (61.4)	35	0	0	33.3%	88.9%
Gombe	179	88 (49.2)	79	5	4	62.9%	89.3%
Jigawa	279	56 (20.1)	55	0	1	56.5%	97.2%
Kaduna	115	69 (60.0)	67	0	2	54.7%	100.0%
Kano	122	23 (18.9)	23	0	0	61.3%	91.5%
Katsina	429	52 (12.1)	51	0	1	63.3%	92.3%
Kebbi	201	38 (18.9)	38	0	0	61.8%	79.0%
Kogi	101	31 (30.7)	31	0	0	35.5%	80.6%
Kwara	220	81 (36.8)	81	0	0	30.0%	93.3%
Nasarawa	95	39 (41.1)	39	0	0	40.0%	63.3%
Niger	77	30 (39.0)	30	0	0	65.0%	81.5%
Plateau	70	19 (27.1)	18	0	1	36.7%	96.7%
Sokoto	83	48 (57.8)	48	0	0	61.3%	100.0%
Taraba	30	13 (43.3)	13	0	0	31.0%	19.0%
Yobe	346	288 (83.2)	39	30	219	56.7%	94.9%
Zamfara	91	34 (37.4)	34	0	0	84.7%	99.6%
SOUTH	3,328	217 (6.5)	215	0	2	34.7%	22.1%
Abia	115	11 (9.6)	11	0	0	35.4%	56.3%
Akwa Ibom	134	13 (9.7)	13	0	0	25.7%	11.4%
Anambra	221	6 (2.7)	6	0	0	35.0%	50.0%
Bayelsa	173	16	16	0	0	38.3%	10.6%
Cross River	156	31 (19.9)	31	0	0	37.1%	13.3%
Delta	140	8 (5.7)	7	0	1	46.4%	17.9%
Ebonyi	55	1 (1.8)	1	0	0	63.2%	47.4%
Edo	106	12 (11.3)	12	0	0	38.9%	8.3%
Ekiti	247	3 (1.2)	3	0	0	13.3%	6.7%
Enugu	167	5 (3.0)	5	0	0	59.1%	59.1%
Imo	113	5 (4.4)	5	0	0	8.3%	66.7%
Lagos	387	7 (1.8)	6	0	1	45.9%	5.4%
Ogun	349	15 (4.3)	15	0	0	18.9%	13.5%
Ondo	177	11 (6.2)	11	0	0	31.6%	14.0%
Osun	399	13 (3.3)	13	0	0	25.0%	10.0%
Oyo	314	52 (6.0)	52	0	0	28.6%	8.3%
Rivers	75	8 (10.7)	8	0	0	21.4%	28.6%
TOTAL	10,870	5,645 (51.9)	1,248	2085	2312	67.2%	83.4%

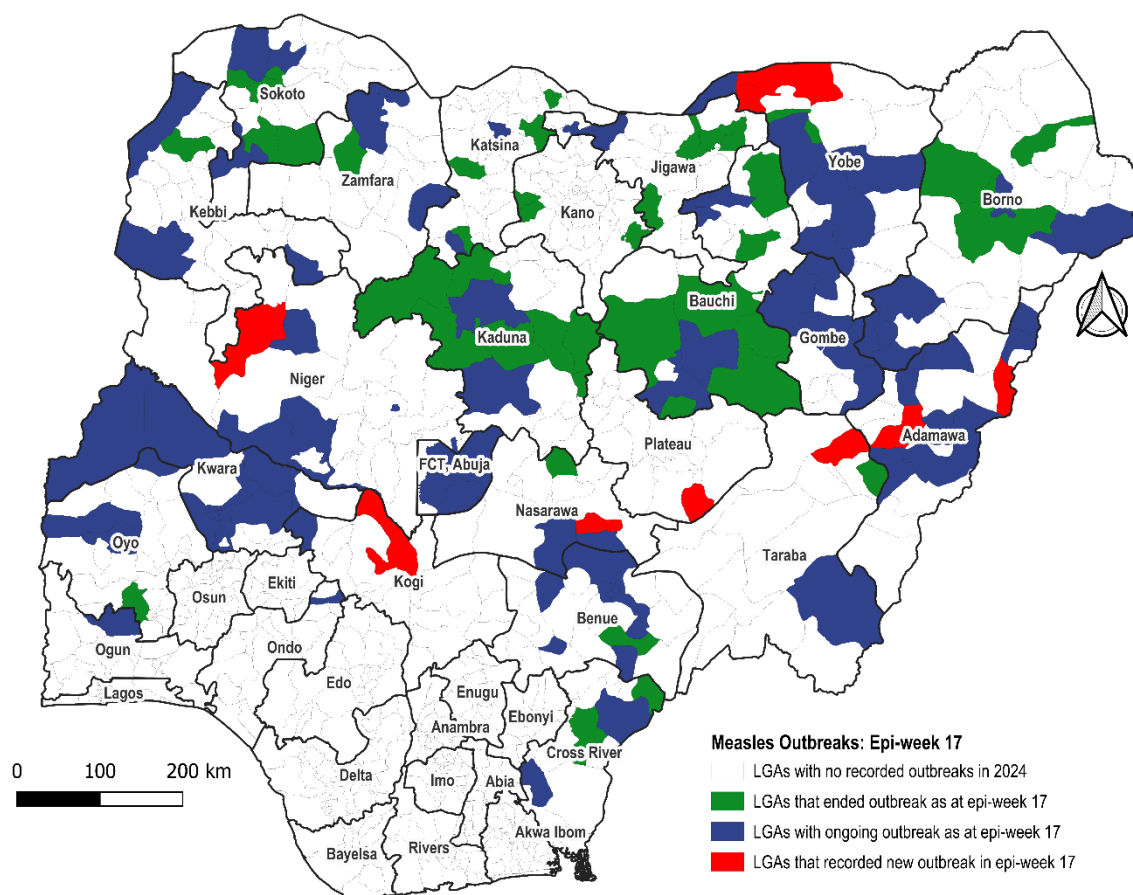


Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan - May 2024

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

Surveillance Performance Indicator	Target	2021 (Jan - Apr)	2022 (Jan - Apr)	2023 (Jan - Apr)	2024 (Jan - Apr)
Annualized measles Incidence	< 1/million population	59.8	201.4	94.0	54.6
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	6.2	9.1	7.9	3.9
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	52.0%	49.7%	66.1%	73.8%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	64.9%	94.1%	80.0%	84.2%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	8.7	15.8	10.8	6.3
Proportion of lab confirmed measles cases	< 10%	26.1	35.9%	21.3%	22.8%
Proportion of serum specimens arriving at measles laboratory in good condition	≥ 90%	72.4%	94.7%	83.5%	87.3%

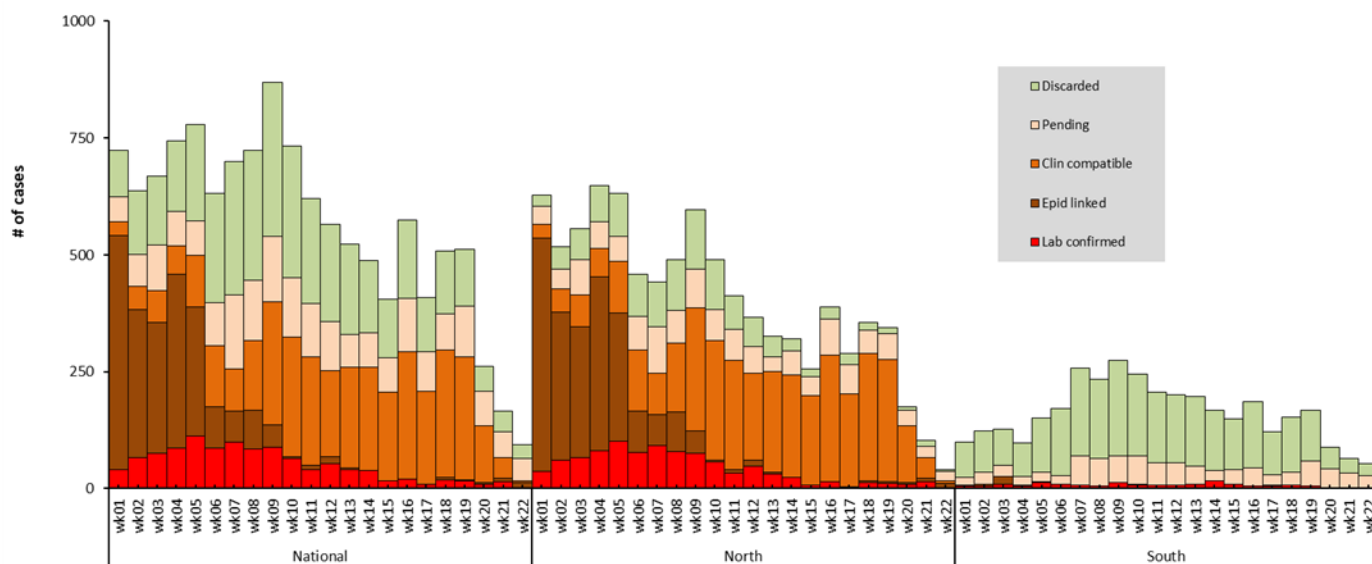


Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), Jan - May, 2024

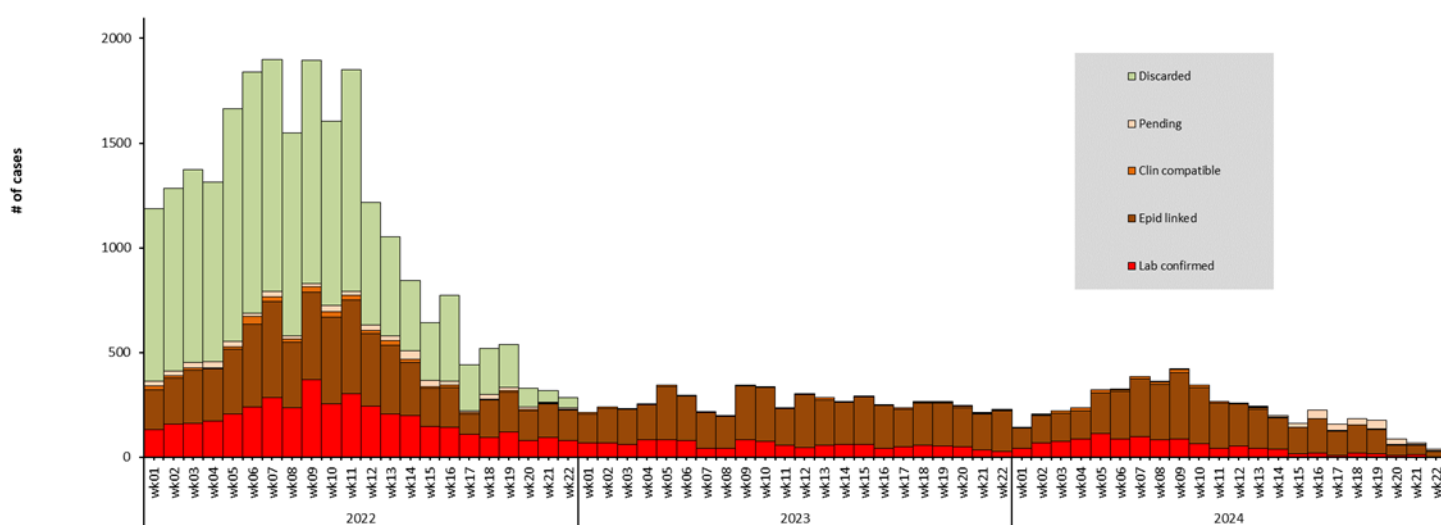


Figure 3: Epi-curve of confirmed measles cases in Nigeria, 2021 – 2024 (May)

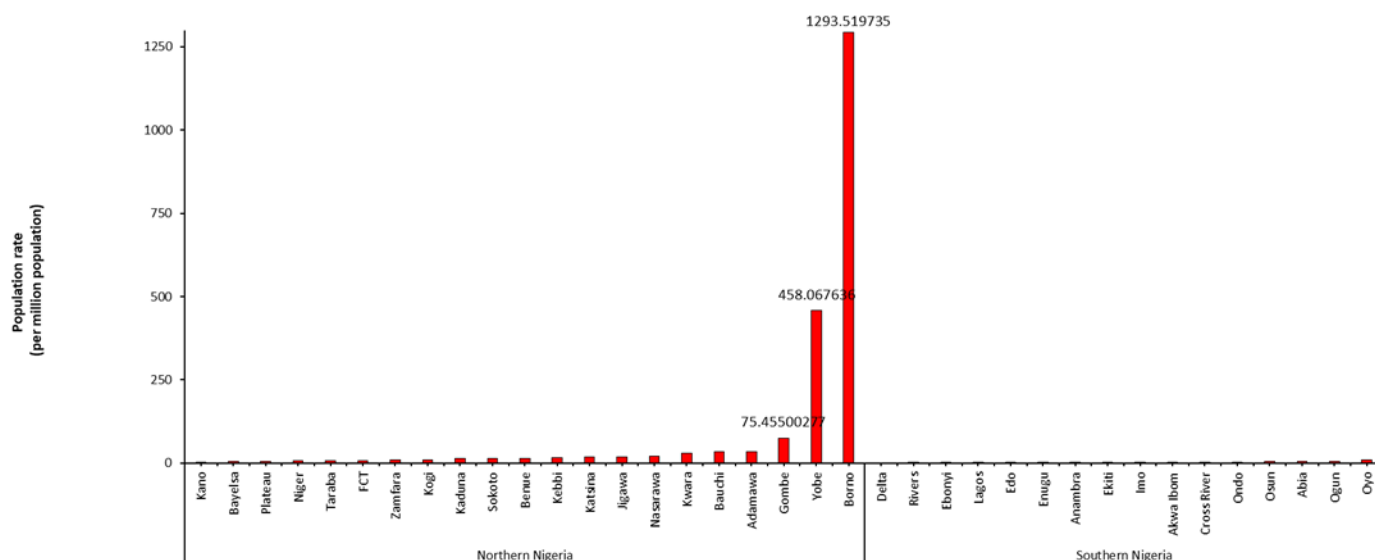


Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), Jan - May, 2024

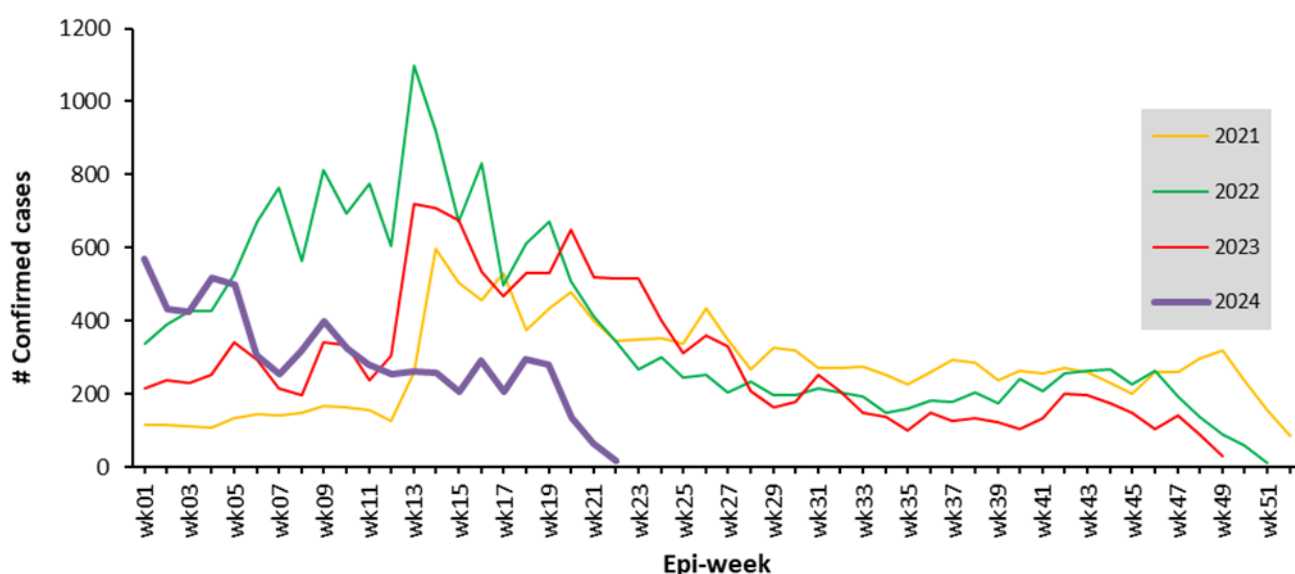


Figure 5: Trend of confirmed measles cases in Nigeria, 2020 – 2024 (epi-week 01 – 52)

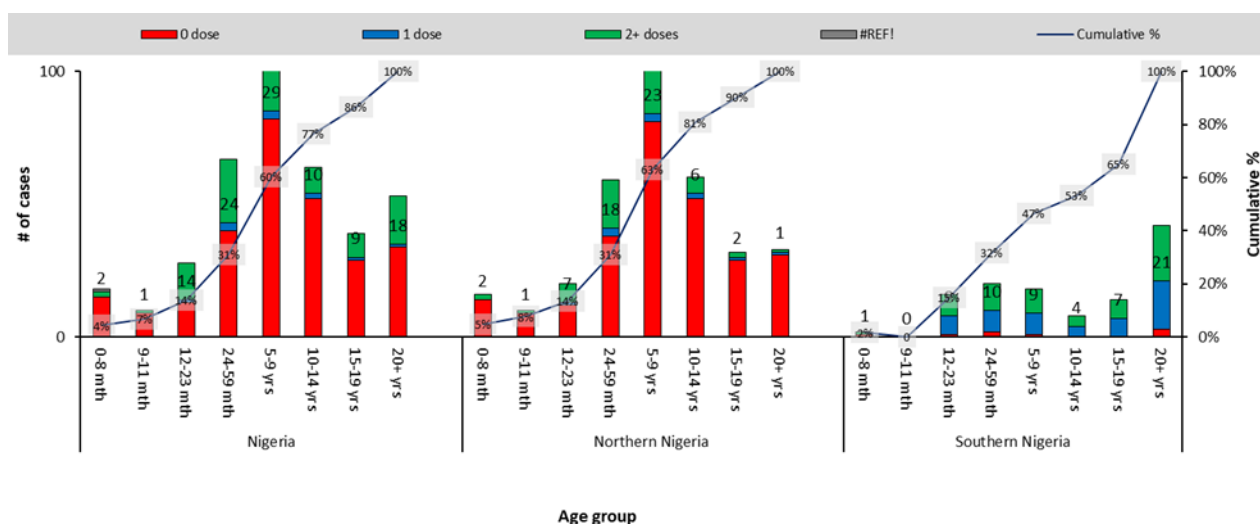


Figure 6: Vaccination status and age distribution lab confirmed measles cases in Nigeria (Northern vs Southern zone), Jan – May, 2024

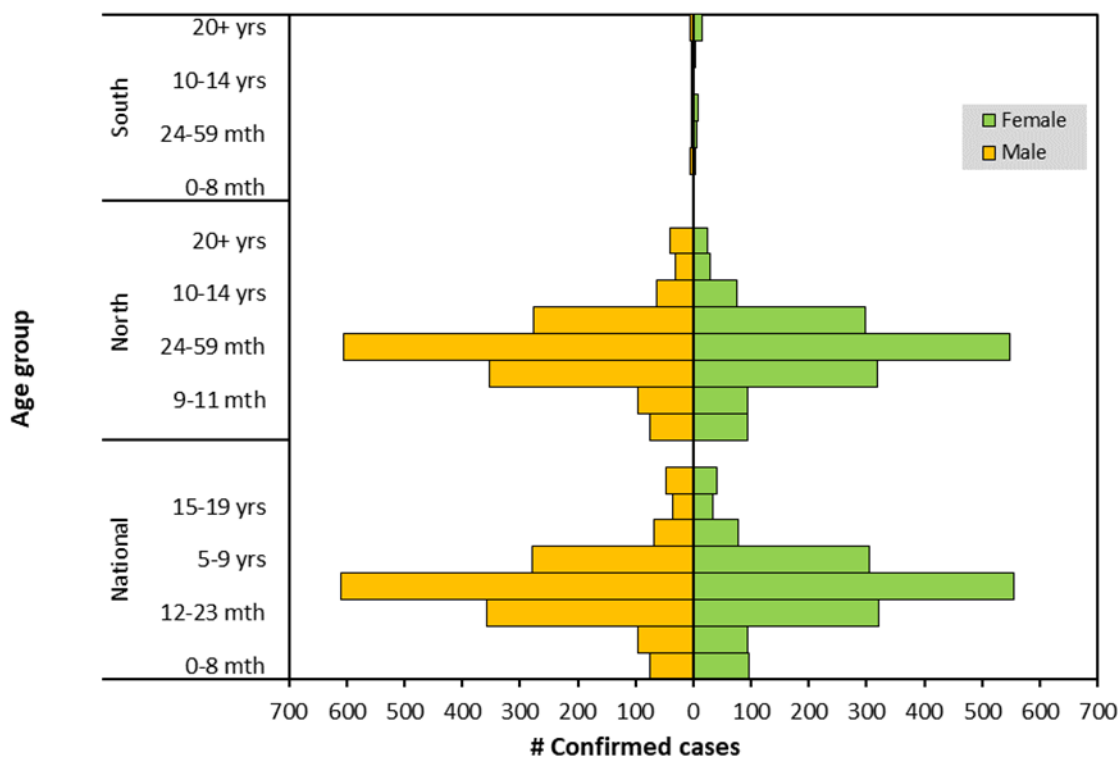


Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), Jan - May, 2024

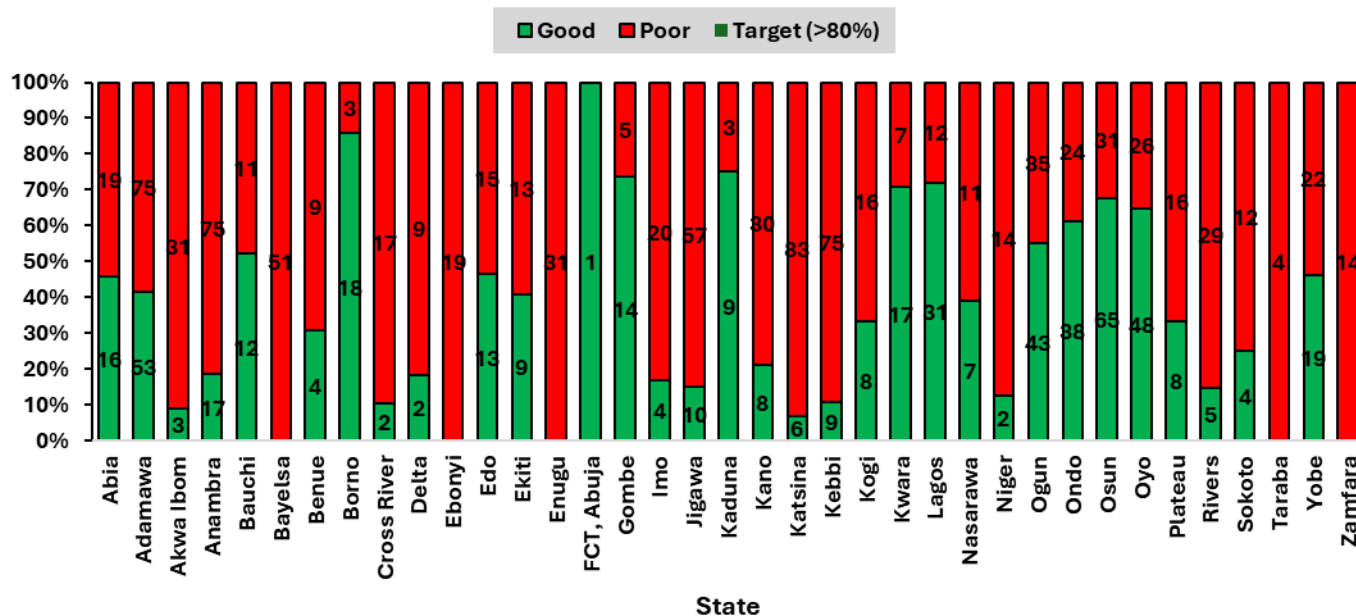


Figure 8: Proportion of measles samples reaching the laboratory in good time, Jan – May, 2024

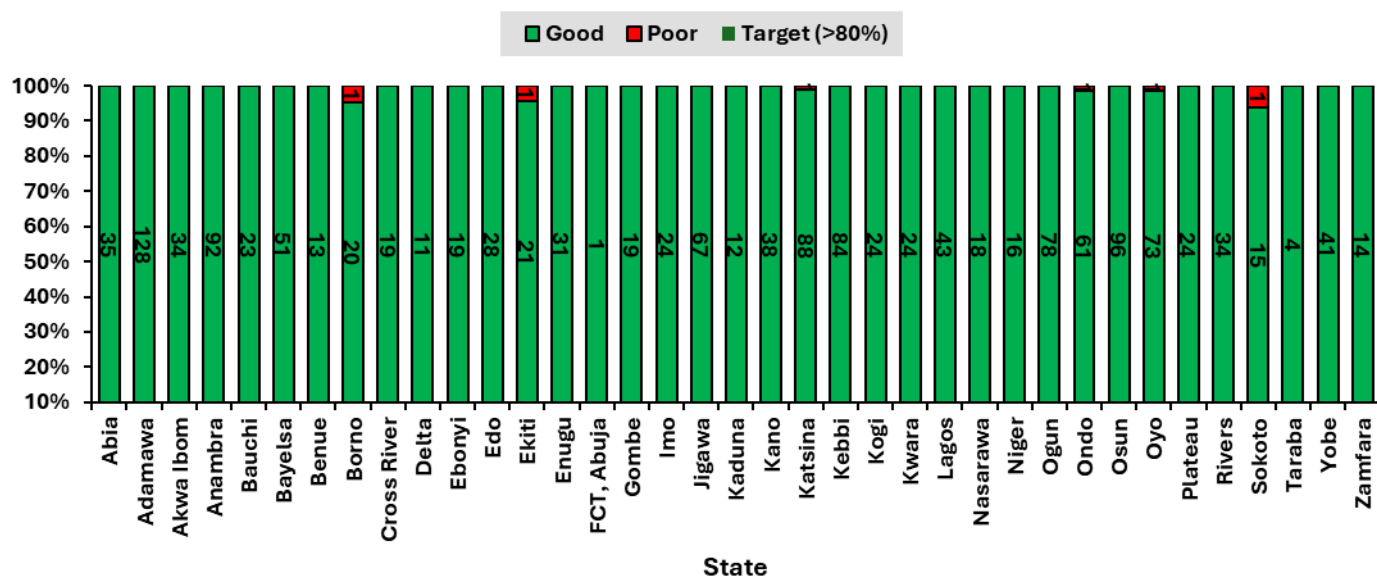


Figure 9: Proportion of measles samples getting to the lab in good condition, Jan – May, 2024

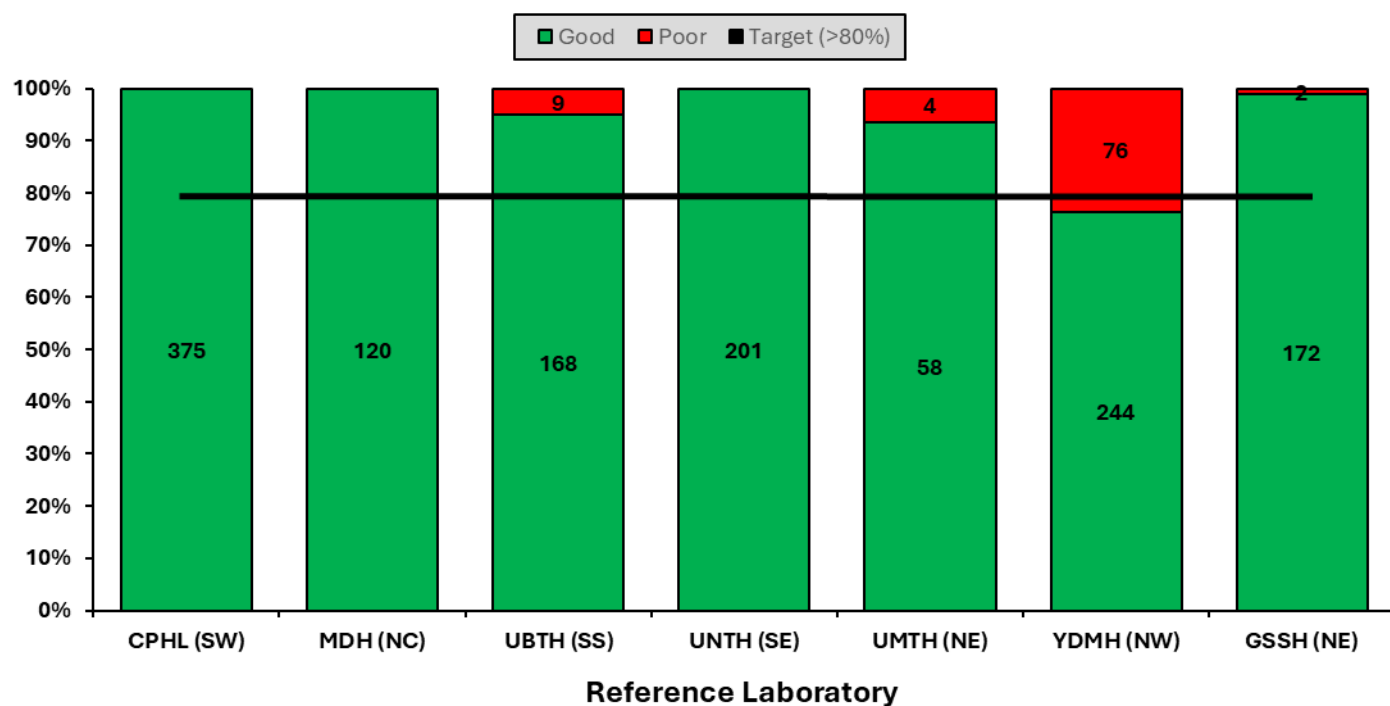


Figure 10: Proportion of measles samples with good turnaround time, Jan - May 2024

Key Activities Conducted

– Coordination:

- Measles Outbreak Response Capacity Building Training of Trainers in 10 hotspot states
- Planning meeting for 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.

Challenges

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

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.