

MEASLES SITUATION REPORT

Serial Number 10



Data as of October 31st 2024

HIGHLIGHTS

In October, 2024:

- Akwa Ibom (26), Ogun (24), Katsina (24), Kwara (17), Imo (15), and Ondo (14) accounted for 50.9% of the 236 suspected cases reported
- Of the suspected cases reported, 21 (8.9%) were confirmed (21 lab-confirmed, 0 epidemiologically linked, 0 clinically compatible), 153 (64.83%) were discarded & 62 (26.27%) were pending
- A total of 124 LGAs across 24 States reported at least one suspected case
- Zero (0) deaths were recorded from confirmed cases

From January – October, 2024:

- Borno (5,407), Yobe (1,584), Adamawa (956), Katsina (654), Ogun (593), Osun (566), Lagos (505), and Bauchi (529) accounted for 59.56% of the 18,187 suspected cases reported
- Of the suspected cases reported, 9,330 (51.30%) were confirmed (2,329 lab-confirmed; 2,512 were epidemiologically linked; 4,489 clinically compatible), 7,967 (43.81%) were discarded and 890 (4.89%) were pending
- The age group 9 - 59 months accounted for 6,050 (64.84%) of all confirmed cases
- A total of 73 deaths (CFR = 0.78%) were recorded among confirmed cases
- Up to 6,740 (72.24%) of the 9,330 confirmed cases did not receive any dose of measles vaccine (“zero doses”)

Measles outbreaks as at October 31st 2024:

- By end of October 2024 (as shown in **figure 1**), a total of 302 LGAs across 36 States and the FCT have recorded a measles outbreak in 2024. Osun had the highest number of LGAs (18) which have experienced measles outbreak this year.
- Furthermore, 292 LGAs across 37 States have ended their measles outbreak by end of October. Osun (18), Oyo (15), Ogun (14), Bauchi (14), Ekiti (13) and Kwara (13) are among States with the highest number of LGAs that ended their outbreak by end of October.
- By end of epi-week 40, only 9 LGAs (Asa, Bodinga, Girei, Ilorin West, Magama, Nkanu West, Shelleng, Tsanyawa, and Yusufari) across 7 States (Adamawa, Enugu, Kano, Kwara, Niger, Sokoto, and Yobe) still have ongoing measles outbreak.
- Only one LGA (Etsako East) in Edo State recorded a new measles outbreak in epi-week 40.

SITUATION UPDATES

Jan - Oct (# New in Oct)

SUSPECTED CASES

18,187 (236)

States With Suspected Cases

36 + FCT

LGAs with Suspected Cases

751 (124)

CONFIRMED CASES

9,330 (21)

States with Confirmed Cases

36 + FCT

LGAs with Confirmed Cases

528 (18)

DEATHS AMONG CONFIRMED CASES

73 (0)

MEASLES OUTBREAKS

302 (2)

States with Ongoing Measles Outbreaks

37 (0)

LGAs with Ongoing Measles Outbreaks

9 (3)

LGAs with New Measles Outbreaks

2 (2)



Table 1: Distribution of key measles surveillance variables by states, October 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	12,455	8,910 (71.5%)	1,911	2512	4487	66.6%	75.1%
Adamawa	956	515 (53.9%)	144	278	93	38.4%	82.1%
Bauchi	529	269 (50.9%)	123	53	93	50.6%	100.0%
Benue	173	75 (43.4%)	75	0	0	41.3%	100.0%
Borno	5,407	5252 (97.1%)	142	2060	3050	73.5%	64.5%
FCT, Abuja	94	51 (54.3%)	51	0	0	47.1%	90.2%
Gombe	261	164 (62.8%)	93	3	68	62.6%	93.3%
Jigawa	505	160 (31.7%)	156	0	4	45.0%	89.4%
Kaduna	225	114 (50.7%)	113	0	1	71.9%	100.0%
Kano	190	54 (28.4%)	54	0	0	61.1%	92.6%
Katsina	654	207 (31.7%)	205	0	2	63.8%	88.9%
Kebbi	405	112 (27.7%)	110	0	2	54.5%	96.4%
Kogi	147	40 (27.2%)	40	0	0	30.8%	75.0%
Kwara	380	124 (32.6%)	124	0	0	41.9%	96.8%
Nasarawa	160	69 (43.1%)	68	0	1	53.6%	62.3%
Niger	199	76 (38.2%)	76	0	0	58.7%	98.7%
Plateau	143	42 (29.4%)	40	0	2	52.4%	100.0%
Sokoto	207	104 (50.2%)	104	0	0	55.8%	100.0%
Taraba	82	37 (45.1%)	37	0	0	43.2%	2.7%
Yobe	1,584	1,383 (87.3%)	94	118	1171	66.6%	91.5%
Zamfara	154	62 (40.3%)	62	0	0	75.8%	98.4%
SOUTH	5,732	420 (7.3%)	418	0	2	40.4%	11.7%
Abia	295	24 (8.1%)	24	0	0	25.0%	45.8%
Akwa Ibom	275	31 (11.3%)	31	0	0	54.8%	0.0%
Anambra	402	10 (2.55)	10	0	0	20.0%	60.0%
Bayelsa	323	31 (9.6%)	31	0	0	41.9%	0.0%
Cross River	220	41 (18.6%)	41	0	0	31.7%	0.0%
Delta	198	10 (5.1%)	9	0	1	90.0%	0.0%
Ebonyi	97	3 (3.1%)	3	0	0	0.0%	100.0%
Edo	215	33 (15.3%)	33	0	0	57.6%	0.0%
Ekiti	397	12 (3.0%)	12	0	0	25.0%	16.7%
Enugu	318	13 (4.1%)	13	0	0	84.6%	38.5%
Imo	229	15 (6.6%)	15	0	0	28.6%	46.7%
Lagos	543	27 (5.0%)	27	0	0	55.6%	7.4%
Ogun	593	33 (5.6%)	33	0	0	33.3%	6.1%
Ondo	399	32 (8.0%)	31	0	1	33.3%	3.1%
Osun	566	23 (4.1%)	23	0	0	39.1%	13.0%
Oyo	492	62 (12.6%)	62	0	0	41.0%	11.3%
Rivers	170	20 (11.8%)	20	0	0	5.0%	0.0%
TOTAL	18,187	9,330 (51.3%)	2,329	2512	4489	65.4%	72.2%

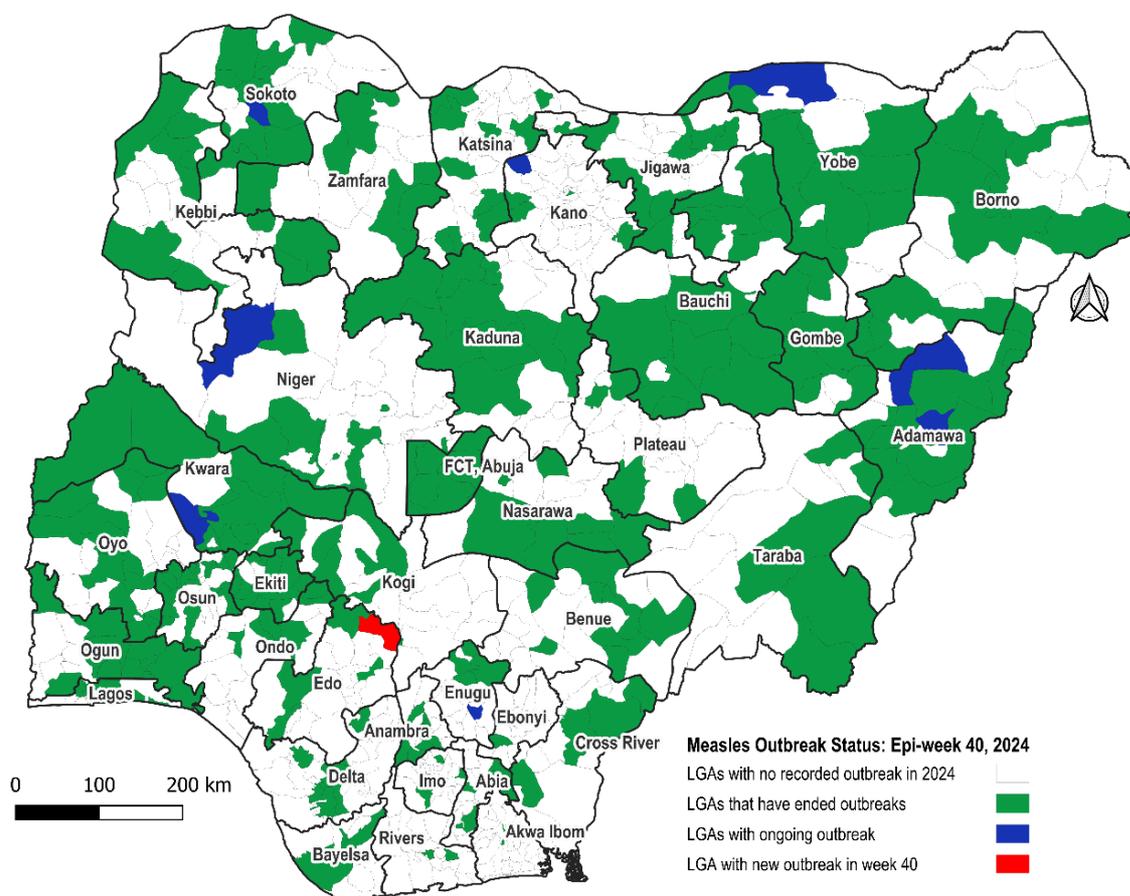


Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan - October 2024

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

Surveillance Performance Indicator	Target	2021 (Jan - Sep)	2022 (Jan - Sep)	2023 (Jan - Sep)	2024 (Jan - Sep)
Annualized measles Incidence	< 1/million population	51.7	111.8	59.1	45.2
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	2.5	4.3	3.5	3.8
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	47.5%	48.8%	63.3%	71.5%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	85.0%	97.3%	91.1%	95.3%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	3.5	7.5	4.7	5.4
Proportion of lab-confirmed measles cases	< 10%	24.9%	36.6%	21.5%	22.7%
Proportion of serum specimens arriving at measles laboratory in good condition	≥ 90%	98.1%	99.3%	97.2%	98.6%

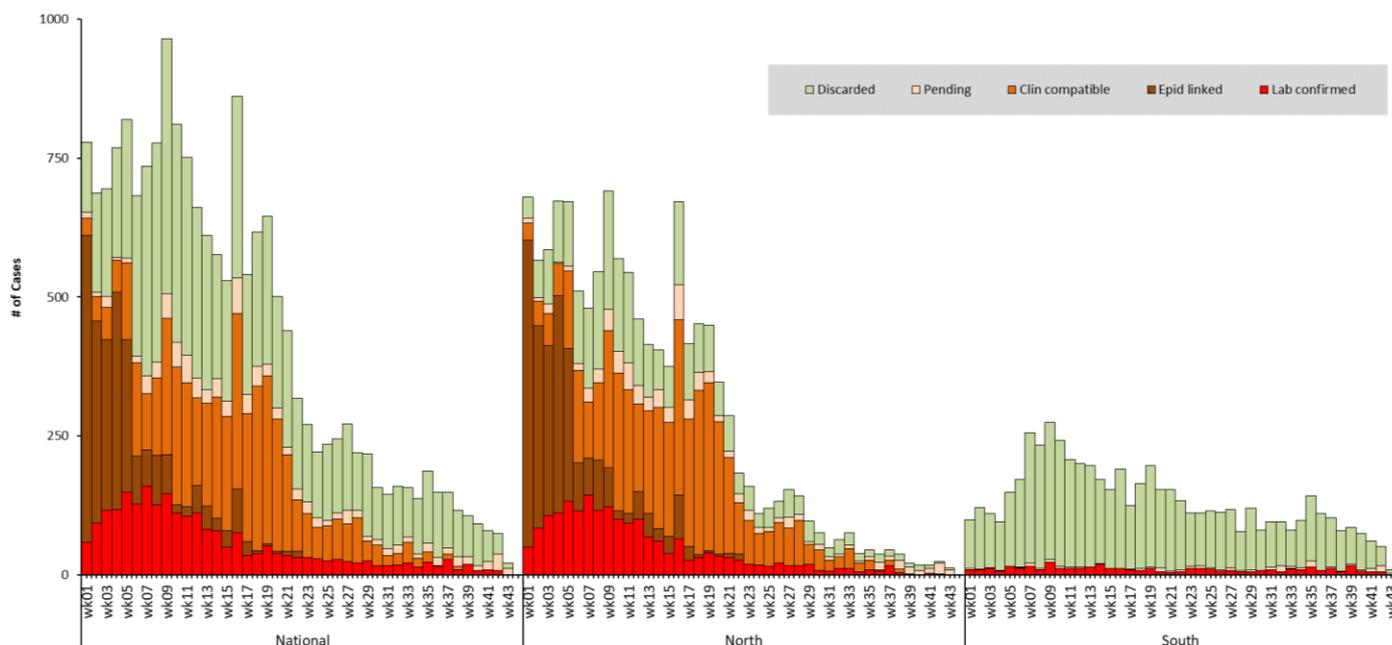


Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), October 2024

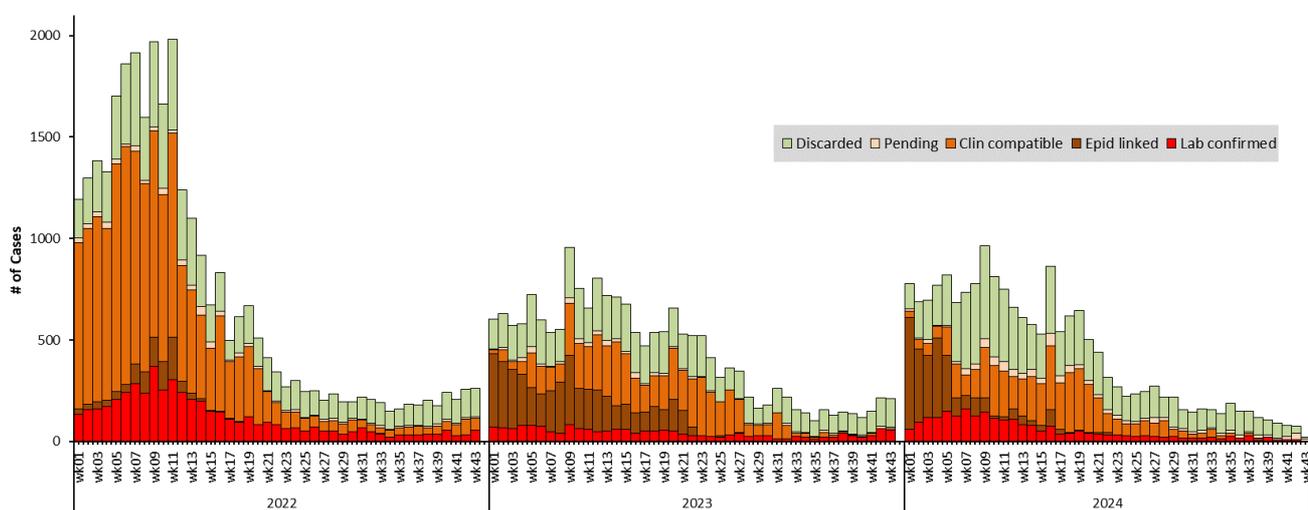


Figure 3: Epi-curve of measles cases in Nigeria, 2022 – 2024 (October)

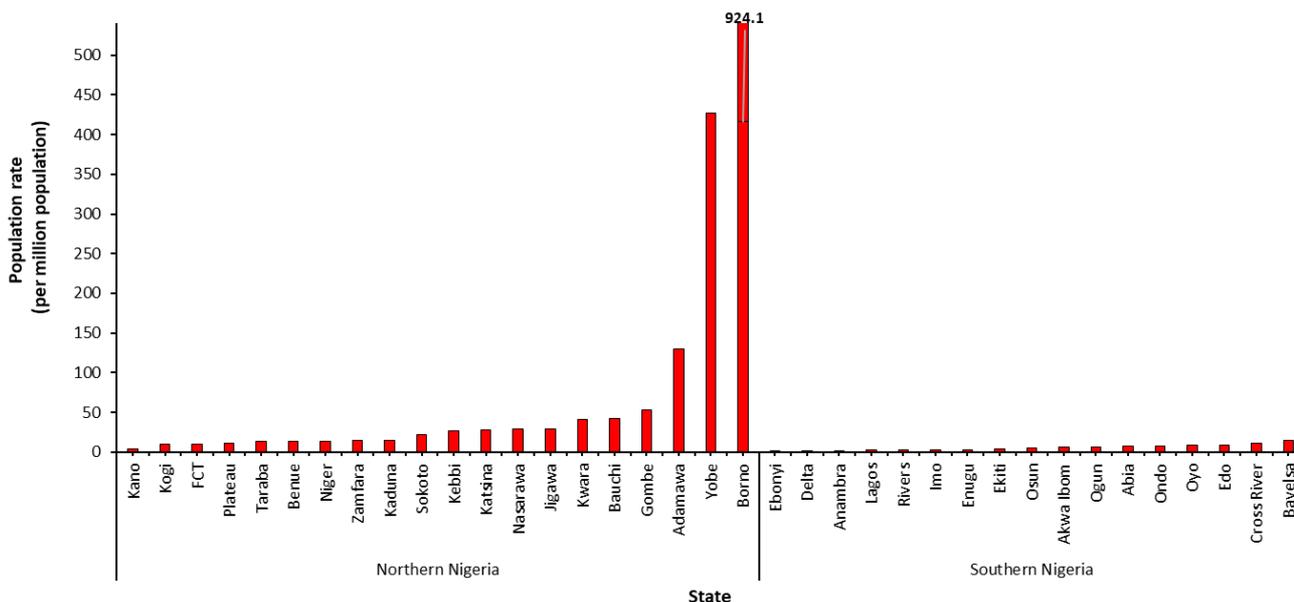


Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), October 2024

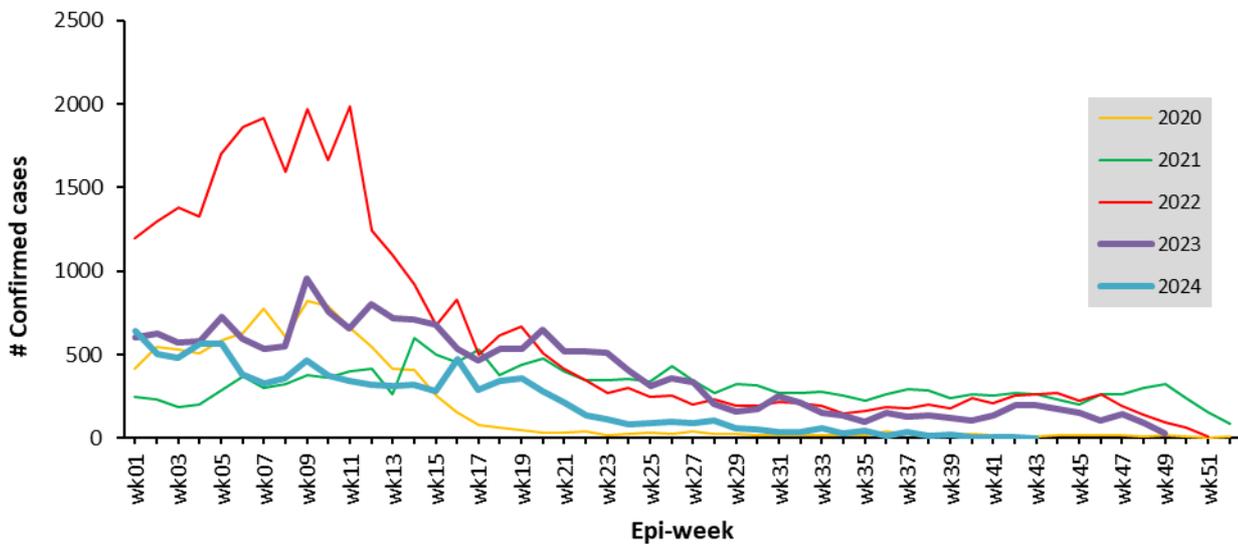


Figure 5: Trend of confirmed measles cases in Nigeria, 2021 – 2024 (epi-week 01 – 52)

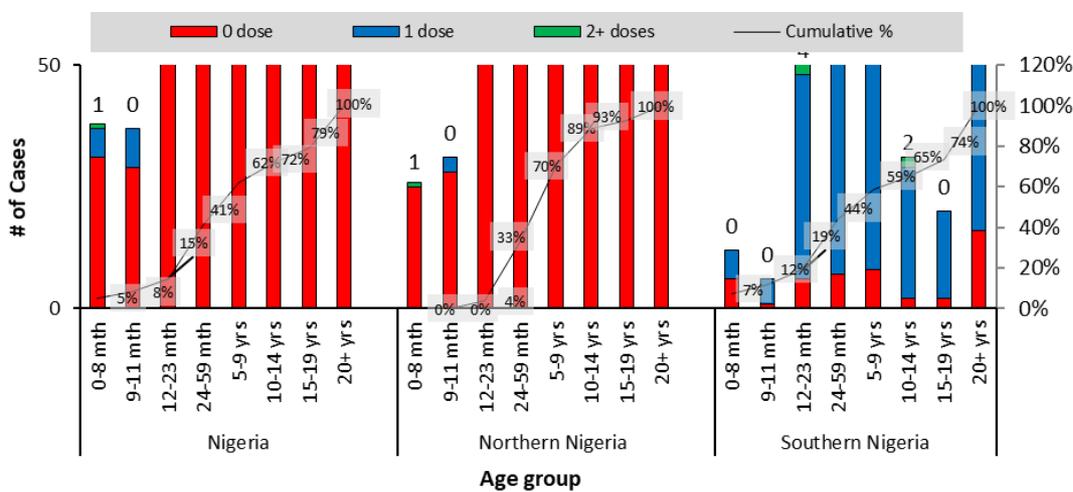


Figure 6: Vaccination status and age distribution lab-confirmed measles cases in Nigeria (Northern vs Southern zone), October 2024

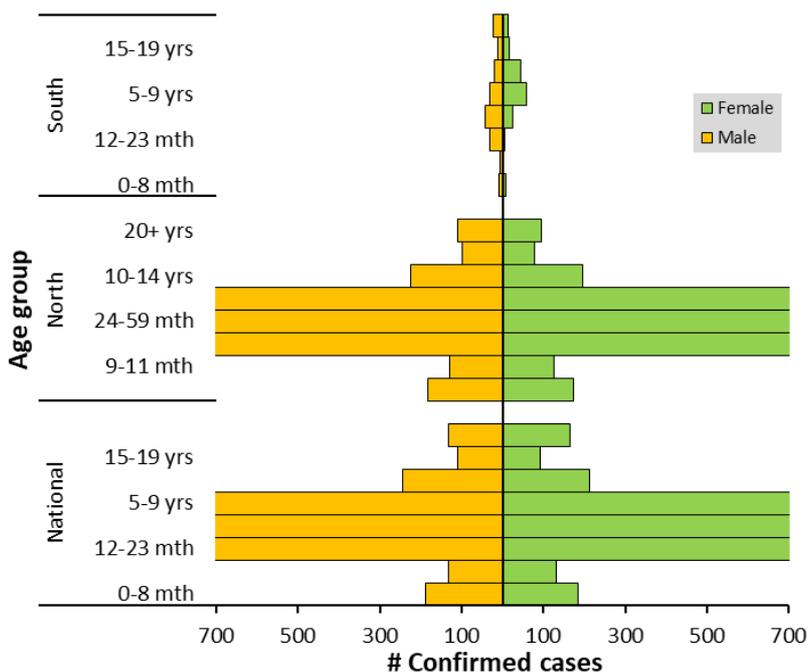


Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), October 2024

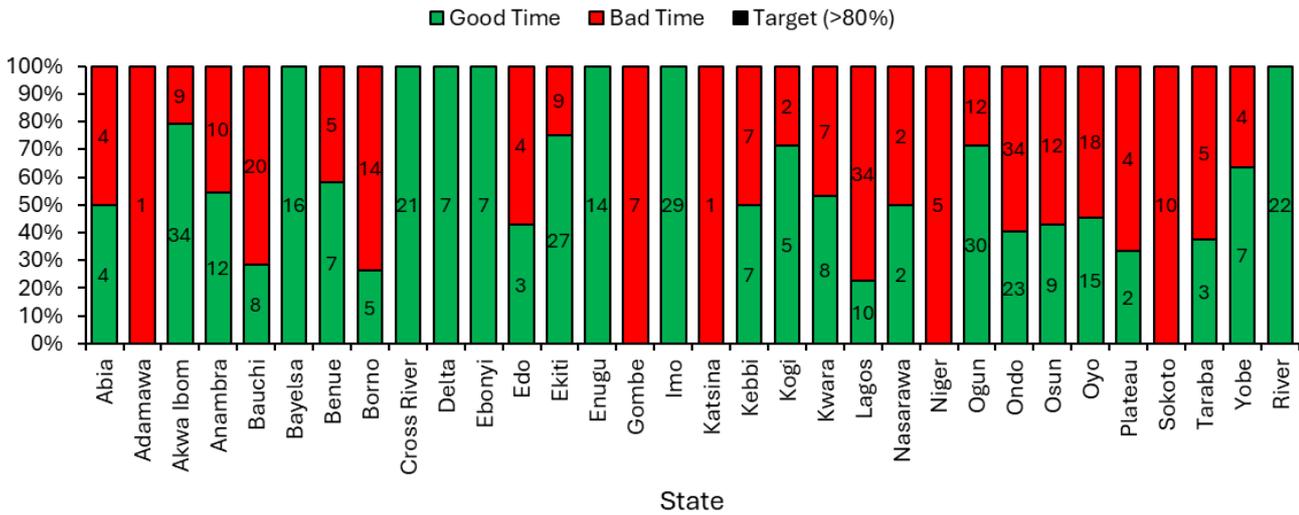


Figure 8: Proportion of measles samples reaching the laboratory in good time, Jan – Oct, 2024

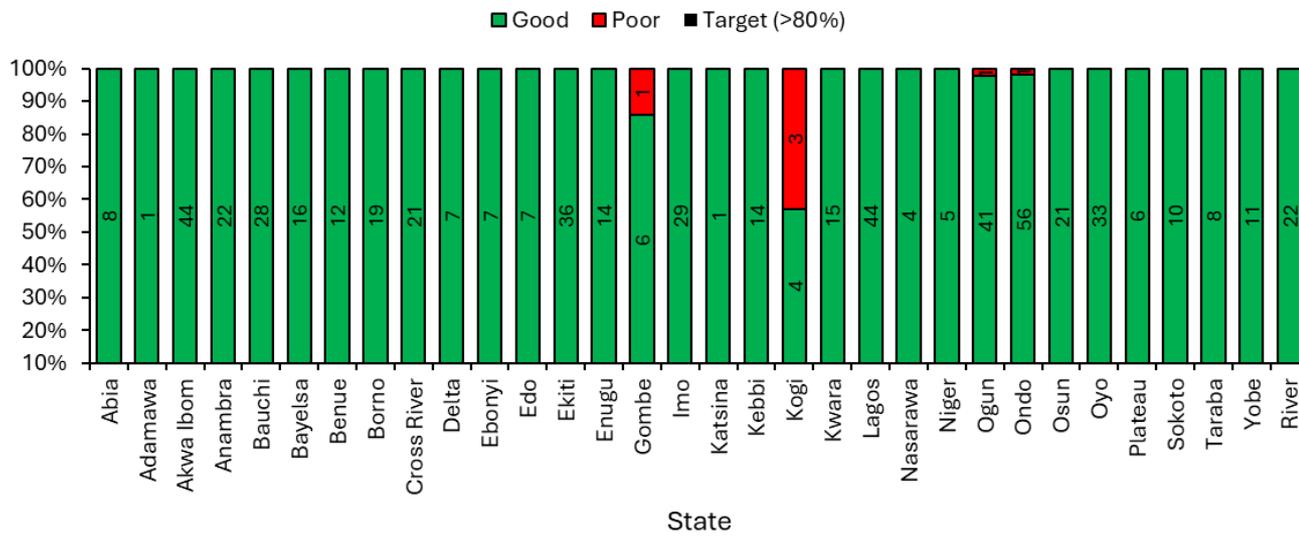


Figure 9: Proportion of measles samples getting to the lab in good condition, Jan – Oct, 2024

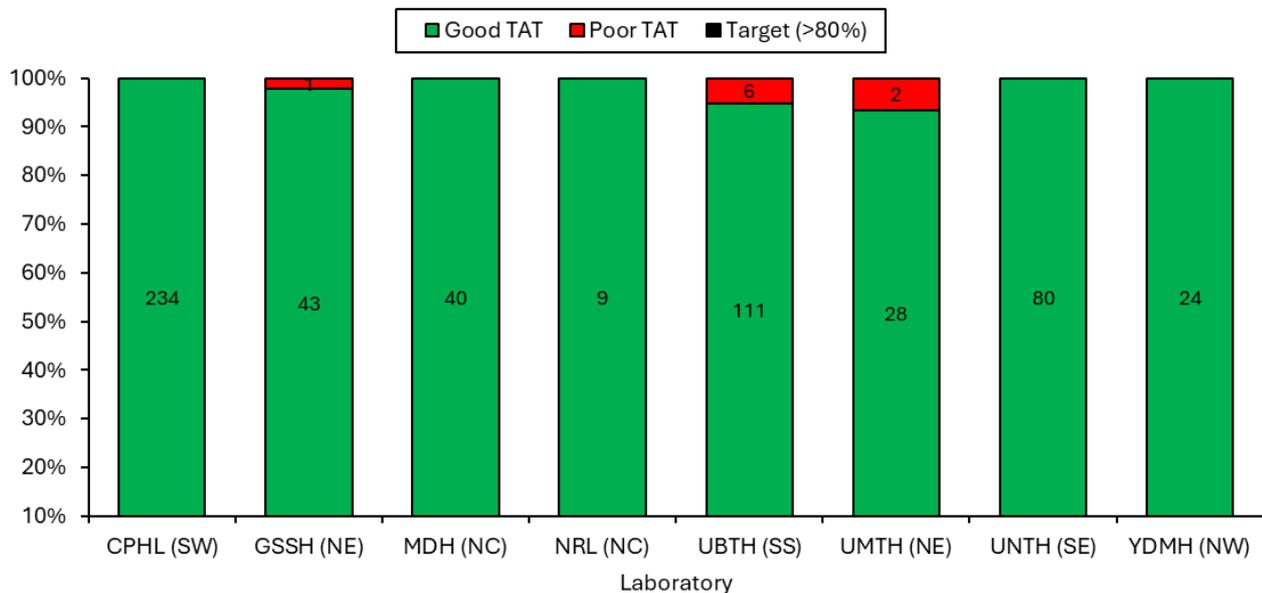


Figure 10: Proportion of measles samples with good turnaround time, Jan - Oct 2024

Key Activities Conducted

– Coordination:

- Implementation of the 2024 intergrated Supplementary Immunisation Activity (SIA) in southern states
- Planning meeting and monitoring of state readiness dashboard for the 2024 intergrated Supplementary Immunisation Activity (SIA)
- National ToT on the integrated Supplementary Immunisation Activity (SIA)
- 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
- Delay in accessing case-based data for analysis

Next Steps

- Stepdown the Measles Outbreak Response Capacity Building Training to state level in ten (10) states
- Supplimentary Immunisation Activity (SIA) in Nothern states 24 states
- 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.