MEASLES SITUATION REPORT

Serial Number 12

Data as of December 31st 2024

HIGHLIGHTS

- **In December, 2024:**
  - Abia (21), Ekiti (20), Jigawa (18), Katsina (17), Kwara (16), Ondo (16), and Cross River (15) accounted for 57.38% of the 244 suspected cases reported
  - Of the suspected cases reported, 16 (6.56%) were confirmed (16 lab-confirmed, 0 epidemiologically linked, 0 clinically compatible), 147 (60.25%) were discarded & 81 (33.2%) were pending
  - A total of 122 LGAs across 27 States reported at least one suspected cases
  - Zero (0) deaths were recorded from confirmed cases
- **From January – December, 2024:**
  - Borno (5,527), Yobe (1,708), Adamawa (960), Katsina (727), Ogun (668), Osun (664), and Jigawa (624) accounted for 54.13% of the 20,059 suspected cases reported
  - Of the suspected cases reported, 9,821 (13.16%) were confirmed (2,639 lab-confirmed; 2,519 were epidemiologically linked; 4,663 clinically compatible), 9,244 (46.08%) were discarded and 994 (4.96%) were pending
  - The age group 9 - 59 months accounted for 6,703 (68.25%) of all confirmed cases
  - A total of 77 deaths (CFR = 0.78%) were recorded among confirmed cases
  - Up to 7,134 (72.64%) of the 9,821 confirmed cases did not receive any dose of measles vaccine ("zero doses")
- **Measles outbreaks as at December 31st 2024:**
  - A total of 311 LGAs across 36 States and the FCT have recorded a measles outbreak in 2024. Osun had the highest number of LGAs (18) that have experience measles outbreak this year.
  - Furthermore, 296 LGAs across 37 States have ended their measles outbreak as at end of epi-week 52. Osun (18), and Borno (13) are among States with the highest number of LGAs that have ended their outbreaks
  - Ten LGAs (Jama'are, Birnin Kebbi, Asa, Edu, Keffi, Lafia, Shendam, Sardauna Fika, and Tarmuwa) across 7 States still have ongoing measles outbreak.
  - Five LGAs (Miga, Mai'Adua, Gwandu, Bursari, and Gujba) across 4 States (Jigawa, Katsina, Kebbi, and Yobe) recorded new measles outbreak in December of 2024.

SITUATION UPDATES

 # Jan - Dec (# New in Dec)

SUSPECTED CASES
20,059 (244)

States With Suspected Cases
36 + FCT

LGAs with Suspected Cases
765 (122)

CONFIRMED CASES
9,821 (16)

States with Confirmed Cases
36 + FCT

LGAs with Confirmed Cases
552 (215)

DEATHS AMONG CONFIRMED CASES
77 (0)

MEASLES OUTBREAKS LGAs
311 (7)

States with Ongoing Measles Outbreaks
7

LGAs with Ongoing Measles Outbreaks
10

LGAs with New Measles Outbreaks
5

Table 1: Distribution of key measles surveillance variables by states, December 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	13,366	9,361 (70.0%)	2,181	2519	4661	65.9%	75.6%
Adamawa	960	515 (53.6%)	144	278	93	38.4%	82.1%
Bauchi	602	280 (46.5%)	134	53	93	49.6%	100.0%
Benue	198	82 (41.4%)	82	0	0	40.2%	100.0%
Borno	5,527	5,342 (96.7%)	161	2060	3121	73.0%	64.9%
FCT, Abuja	97	52 (53.6%)	52	0	0	46.2%	90.4%
Gombe	270	166 (61.5%)	95	3	68	62.4%	93.4%
Jigawa	624	196 (31.4%)	195	0	1	44.9%	90.8%
Kaduna	244	122 (50.0%)	122	0	0	70.5%	100.0%
Kano	214	69 (32.2%)	69	0	0	62.3%	94.2%
Katsina	727	259 (35.6%)	259	0	0	61.0%	91.1%
Kebbi	472	128 (27.1%)	127	0	1	53.1%	96.9%
Kogi	177	46 (26.0%)	46	0	0	33.3%	76.1%
Kwara	427	138 (32.3%)	138	0	0	44.9%	96.4%
Nasarawa	177	77 (43.5%)	76	0	1	54.5%	63.6%
Niger	223	88 (39.5%)	88	0	0	61.2%	85.2%
Plateau	181	55 (30.4%)	53	0	2	58.2%	100.0%
Sokoto	229	117 (51.1%)	117	0	0	55.6%	100.0%
Taraba	145	60 (41.4%)	60	0	0	46.7%	1.7%
Yobe	1,708	1499 (87.8%)	94	125	1280	65.6%	91.3%
Zamfara	164	70 (42.7%)	69	0	1	75.7%	98.6%
SOUTH	6,693	460 (6.9%)	458	0	2	40.8%	11.5%
Abia	375	27 (7.2%)	27	0	0	25.9%	48.1%
Akwa Ibom	334	35 (10.5%)	35	0	0	60.0%	0.0%
Anambra	431	10 (2.4%)	10	0	0	20.0%	60.0%
Bayelsa	377	33 (8.8%)	33	0	0	45.5%	0.0%
Cross River	280	48 (17.1%)	48	0	0	33.3%	0.0%
Delta	228	10 (4.4%)	9	0	1	90.0%	0.0%
Ebonyi	109	3 (2.8%)	3	0	0	0.0%	100.0%
Edo	250	35 (14.0%)	35	0	0	57.1%	0.0%
Ekiti	483	13 (2.7%)	13	0	0	30.8%	15.4%
Enugu	371	14 (6.5%)	14	0	0	85.7%	35.7%
Imo	276	18 (6.5%)	18	0	0	35.3%	50.0%
Lagos	603	28 (4.6%)	28	0	0	53.6%	7.1%
Ogun	668	38 (5.7%)	38	0	0	31.6%	5.3%
Ondo	519	34 (6.6%)	33	0	1	31.3%	2.9%
Osun	644	28 (4.3%)	28	0	0	35.7%	10.7%
Oyo	538	65 (12.1%)	65	0	0	40.6%	10.8%
Rivers	207	21 (10.1%)	21	0	0	4.8%	0.0%
TOTAL	20,059	9,821 (49.0%)	2,639	2,519	4,663	64.7%	72.6%

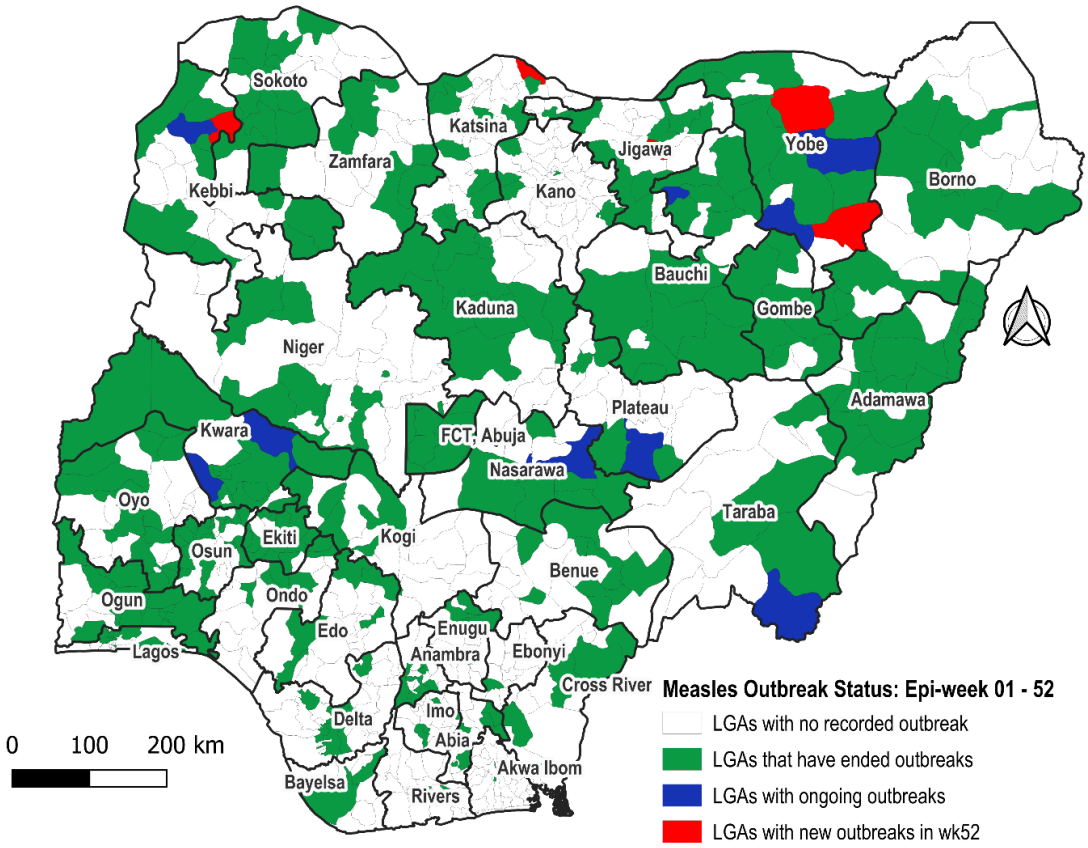

Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan - December 2024

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

Surveillance Performance Indicator	Target	2021 (Jan - Sep)	2022 (Jan - Sep)	2023 (Jan - Sep)	2024 (Jan - Sep)
Annualized measles Incidence	< 1/million population	47.3	95.4	50.4	39.6
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	2.6	3.8	3.3	3.7
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	55.6%	49.7%	66.1%	73.5%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	89.8%	98.7%	92.9%	98.4%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	3.6	6.6	4.5	5.2
Proportion of lab-confirmed measles cases	< 10%	26.1%	35.9%	21.1%	22.3%
Proportion of serum specimens arriving at measles laboratory in good condition	≥ 90%	98.8%	98.7%	99.2%	99.9%

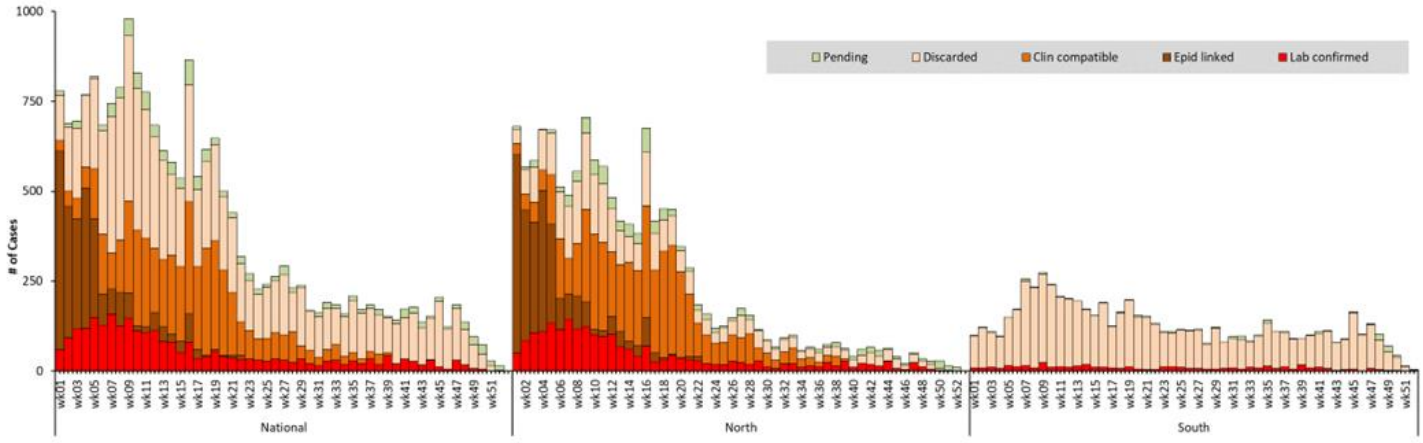

Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), December 2024

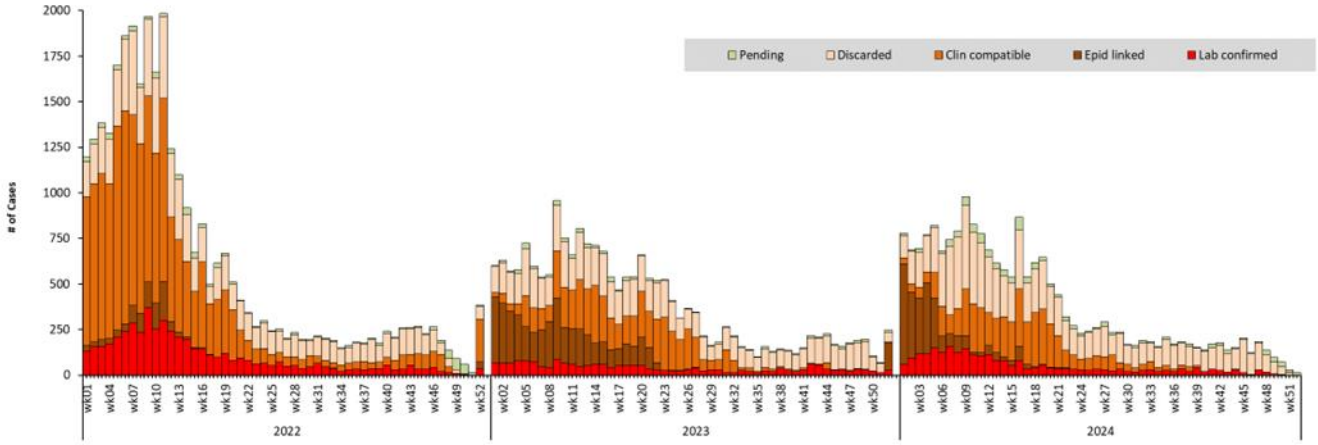

Figure 3: Epi-curve of measles cases in Nigeria, 2022 – 2024 (December)

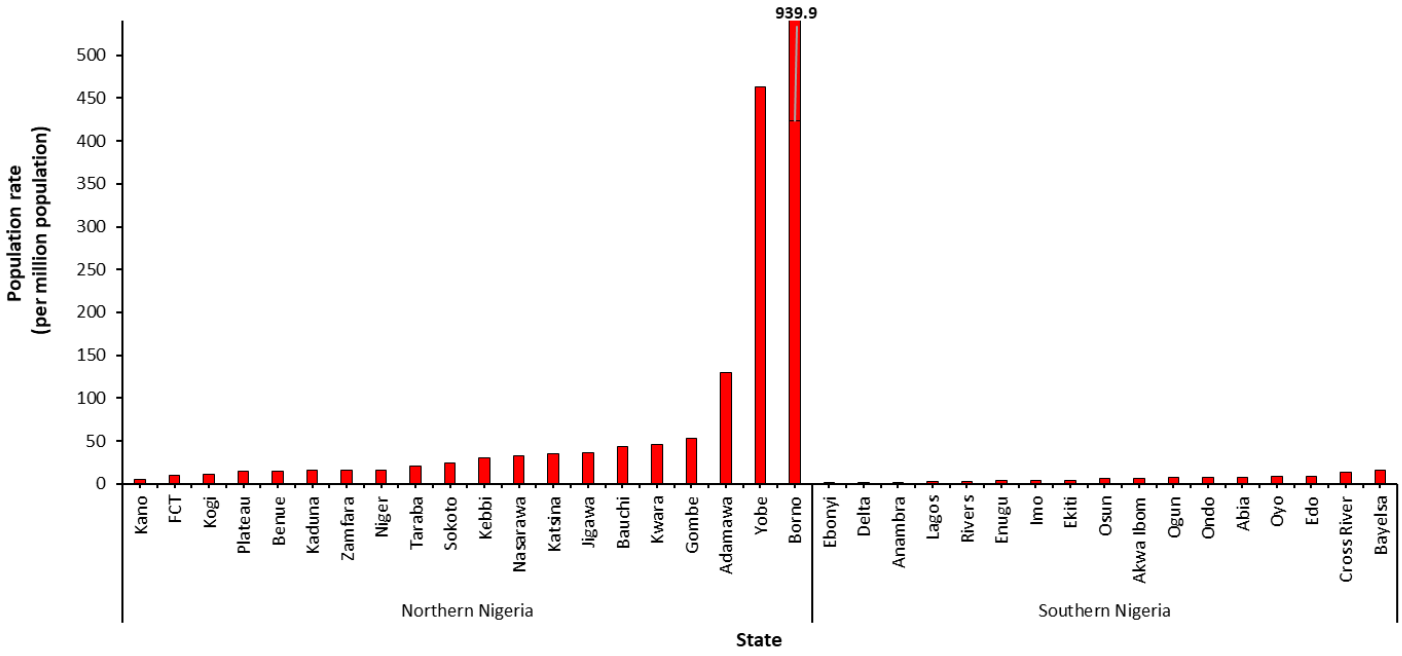

Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), Dec. 2024

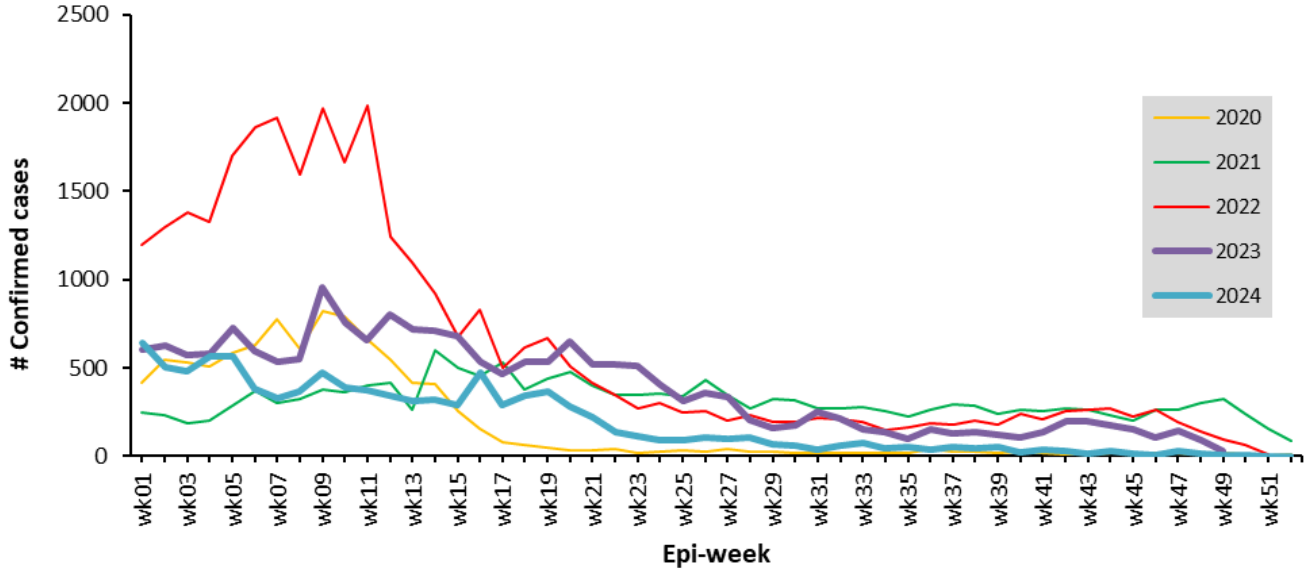

Figure 5: Trend of confirmed measles cases in Nigeria, 2021 – 2024 (epi-week 01 – 52)

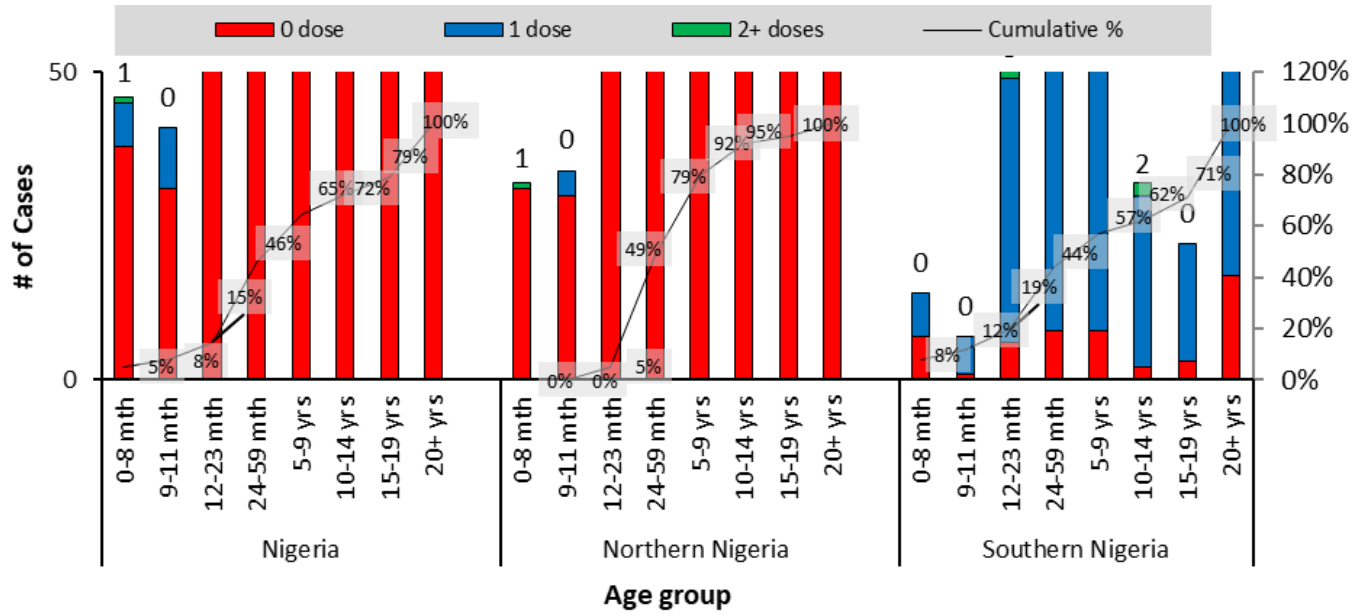

Figure 6: Vaccination status and age distribution lab-confirmed measles cases in Nigeria (Northern vs Southern zone), December 2024

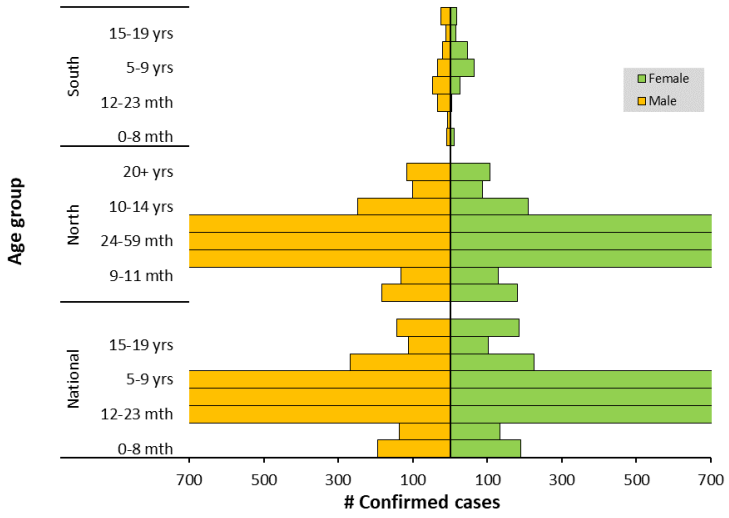

Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), December 2024

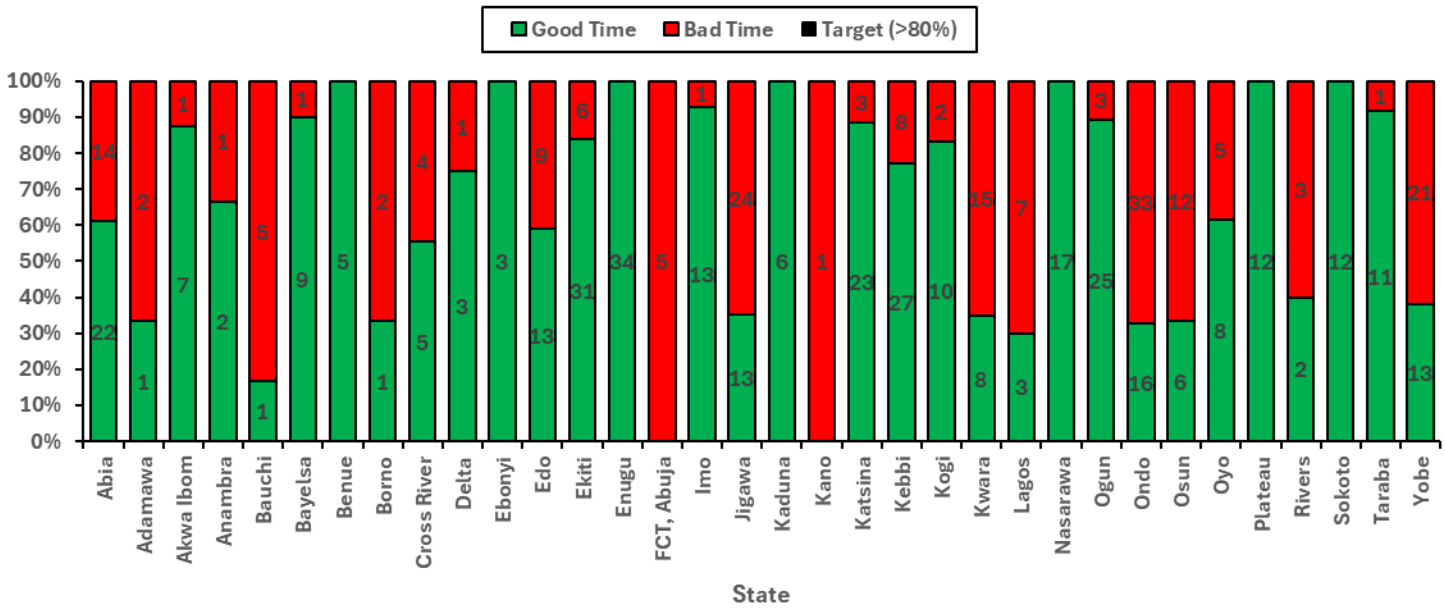

Figure 8: Proportion of measles samples reaching the laboratory in good time, Jan – December, 2024

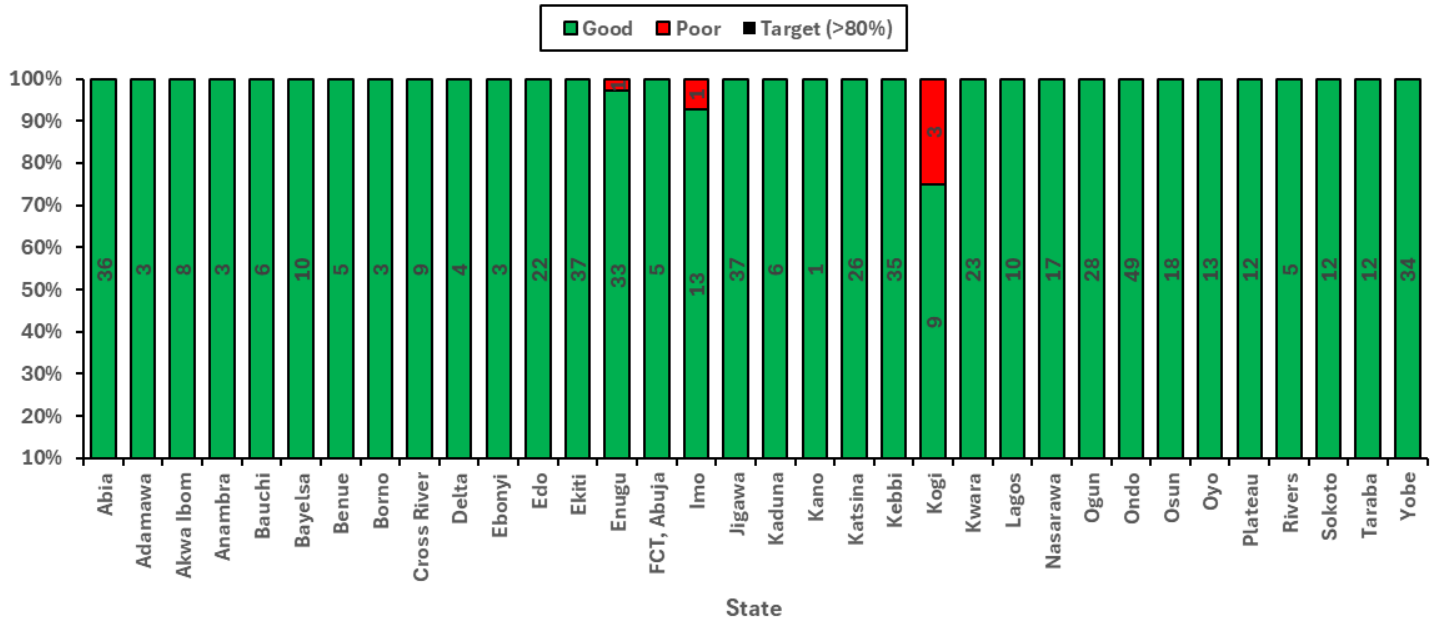

Figure 9: Proportion of measles samples getting to the lab in good condition, Jan – December, 2024

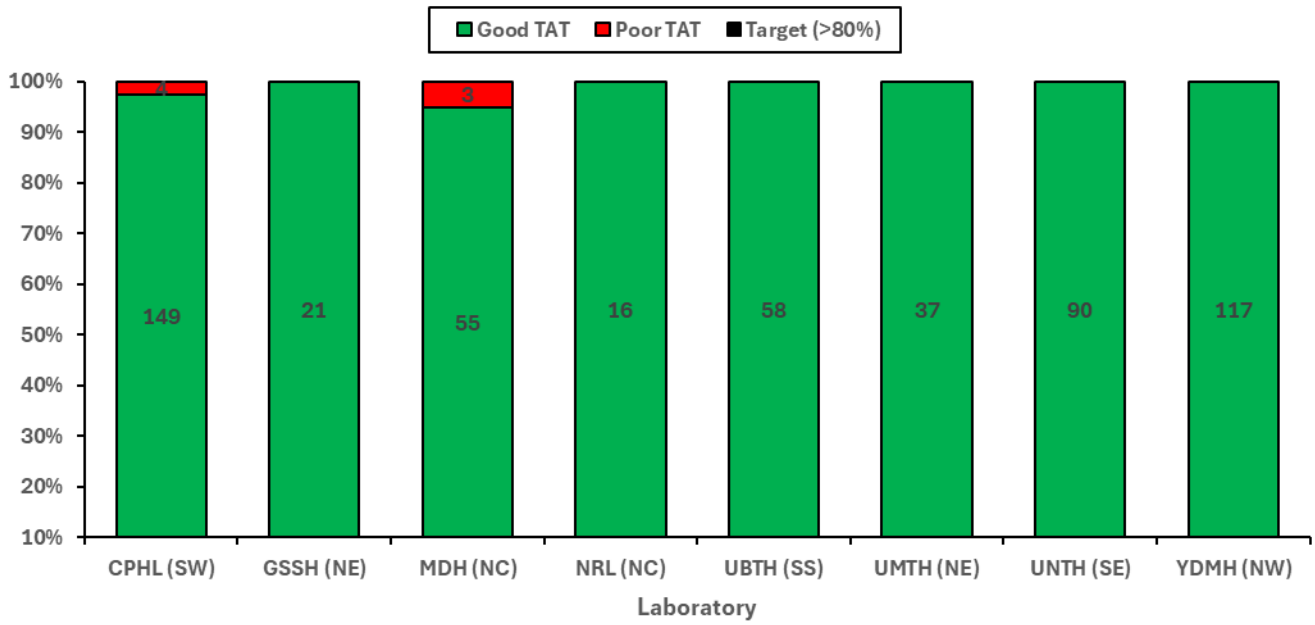

Figure 10: Proportion of measles samples with good turnaround time, Jan - December 2024

Key Activities Conducted

- **Coordination:**
  - Implementation of the 2024 intergrated Suplementary Immunisation Activity (SIA) in 24 states
  - Planning meeting and monitoring of state readiness dashboard for the 2024 intergrated Suplementary 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 harmonisation 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
- 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.