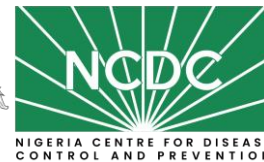


MEASLES SITUATION REPORT

Serial Number 12

Data as at December 31st 2023



HIGHLIGHTS

- **In December, 2023:**
 - Abia (46), Anambra(23), Jigawa(21), Edo(18), Lagos (17) and Bauchi (14) accounted for 64.6% of the 215 suspected cases reported
 - Of the suspected cases reported, 33 (15.4%) were confirmed (33 lab-confirmed & 0 clinically compatible), 43 (20%) were discarded & 139 (64.6%) were pending
 - A total of 37 LGAs across 13 states reported at least one confirmed case
 - One (1) death was recorded from confirmed cases
- **From January – December, 2023:**
 - Borno (7,635), Yobe (1,325), Ogun (611), Zamfara (601), Zamfara (601), and Lagos (563) accounted for 52.2% of the 19,470 suspected cases reported
 - Of the suspected cases reported, 11,433 (58.72%) were confirmed (1,861 lab-confirmed, 3,120 epi-linked and 6,452 clinically compatible), 837 (4.29%) were discarded and 7200 (36.9%) were pending classification
 - The age group 9 - 59 months accounted for 7,317 (64%) of all confirmed cases
 - A total of 89 deaths (CFR = 1.1%) were recorded among confirmed cases
 - Up to 8,380 (73%) of the confirmed cases did not received any dose of measles vaccine (“zero dose”)
- **Measles outbreaks as at December 31st 2023:**
 - In December 2023, 8 LGAs across 7 states (Abia - 2; Rivers - 1; Plateau – 1; Bauchi, Sokoto, Gombe & Kaduna - 1) recorded an outbreak each
 - Cummulatively, a total of 184 LGAs across 35 states recorded at least one measles outbreak this year
 - Only FCT and Osun States have not recorded any confirmed measles outbreak this year

SITUATION UPDATES

Jan - Dec (# New in Dec)

SUSPECTED CASES

19,470 (215)

States With Suspected Cases
36 + FCT

LGAs with Suspected Cases
714 (99)

CONFIRMED CASES

11,433 (33)

States with Confirmed Cases
37 + FCT

LGAs with Confirmed Cases
487

DEATHS AMONG CONFIRMED CASES

89 (1)

MEASLES OUTBREAKS

184 (8)

States with Ongoing Measles Outbreaks
18 (7)

LGAs with Ongoing Measles Outbreaks
33 (8)



World Health Organization



DeHealth AFRICA

AFENET

NiMet



UNIVERSITY of MARYLAND



Table 1: Distribution of key measles surveillance variables by states, Jan – Dec 2023

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	13,542	10,647 (79.5%)	1,253	3093	6447	65.5%	87.2%
Adamawa	91	9 (9.9%)	11	0	2	9.1%	100.0%
Bauchi	459	207 (48.1%)	134	8	75	33.3%	88.5%
Benue	155	65 (41.9%)	42	14	13	11.1%	95.7%
Borno	7,635	7,352 (97.4%)	147	2515	4783	71.0%	85.2%
FCT, Abuja	49	16 (32.7%)	7	0	9	44.4%	93.8%
Gombe	164	108 (65.9%)	19	40	50	14.7%	90.8%
Jigawa	492	244 (51.9%)	163	2	85	42.7%	97.2%
Kaduna	247	106 (42.9%)	49	18	40	43.7%	100.0%
Kano	221	104 (47.3%)	55	13	38	17.1%	91.5%
Katsina	451	189 (41.9%)	139	7	46	12.9%	92.2%
Kebbi	552	272 (49.5%)	106	52	114	6.7%	79.0%
Kogi	136	34 (25.6%)	30	0	8	36.4%	86.8%
Kwara	264	42 (16.1%)	45	0	4	21.6%	91.8%
Nasarawa	100	29 (29.6%)	29	0	0	27.3%	62.1%
Niger	189	56 (29.6%)	52	3	4	11.1%	91.5%
Plateau	143	19 (13.7%)	22	0	1	25.0%	100.0%
Sokoto	74	27 (36.5%)	27	0	0	11.1%	100.0%
Taraba	194	78 (40.0%)	50	0	29	23.1%	19.0%
Yobe	1,325	1,130 (85.3%)	98	286	749	40.9%	94.4%
Zamfara	601	560 (93.2%)	28	135	397	83.9%	99.6%
SOUTH	5,927	617 (10.7%)	608	27	5	30.1%	23.0%
Abia	416	39 (11.1%)	47	0	1	32.6%	56.3%
Akwa Ibom	141	24 (17.6%)	24	0	0	10.0%	16.7%
Anambra	235	19 (8.3%)	19	0	0	31.3%	52.6%
Bayelsa	370	84 (23.1%)	86	0	1	33.8%	10.3%
Cross River	347	90 (26.8%)	93	0	1	36.6%	11.7%
Delta	217	25 (11.8%)	26	0	0	44.0%	19.2%
Ebonyi	135	19 (16.1%)	19	0	0	60.0%	47.4%
Edo	151	26 (19.5%)	28	0	0	33.3%	7.1%
Ekiti	557	28 (5.0%)	24	4	0	7.7%	7.1%
Enugu	331	38 (12.0%)	38	0	2	52.6%	62.5%
Imo	314	23 (7.4%)	24	0	0	4.3%	66.7%
Lagos	563	37 (6.6%)	17	20	0	26.7%	5.4%
Ogun	611	36 (5.9%)	36	0	0	17.1%	13.9%
Ondo	538	55 (10.2%)	52	3	0	28.3%	14.5%
Osun	341	17 (5.0%)	17	0	0	23.5%	11.8%
Oyo	513	32 (6.2%)	32	0	0	21.4%	9.4%
Rivers	147	25 (17.2%)	26	0	0	23.1%	26.9%
TOTAL	19,469	11,264 (58.8%)	1,861	3120	6452	63.1%	83.6%

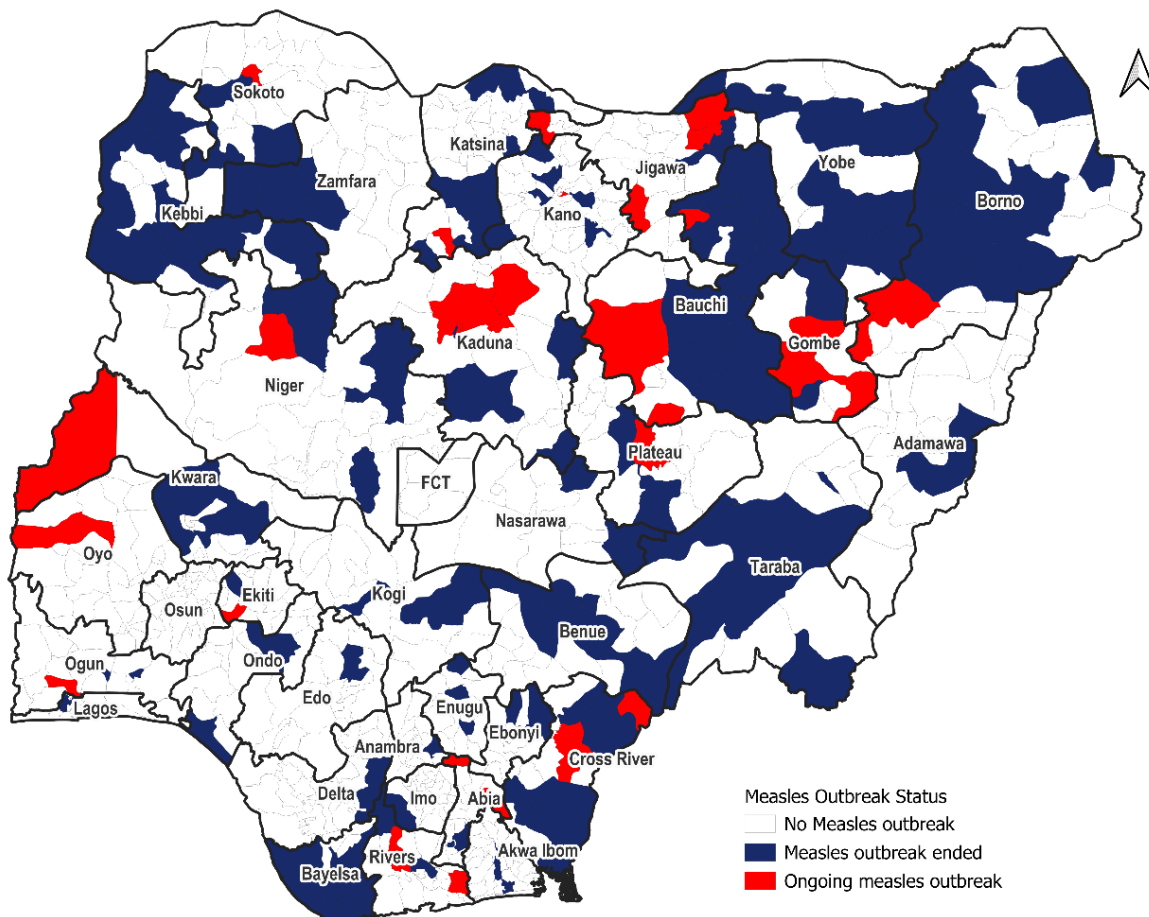


Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan – Dec, 2023

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

Surveillance Performance Indicator	Target	2021 (Jan – Dec)	2022 (Jan – Dec)	2023 (Jan – Dec)
Annualized measles Incidence	< 1/million population	47.3	95.4	49.2
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	2.6	3.8	3.0
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	52.0%	49.7%	60.6%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	89.8%	98.7%	91.6%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	3.6	6.6	4.3
Proportion of lab confirmed measles cases	< 10%	26.1%	35.9%	20.7%
Proportion of serum specimens arriving measles laboratory in good condition	≥ 90%	93%	88%	90%

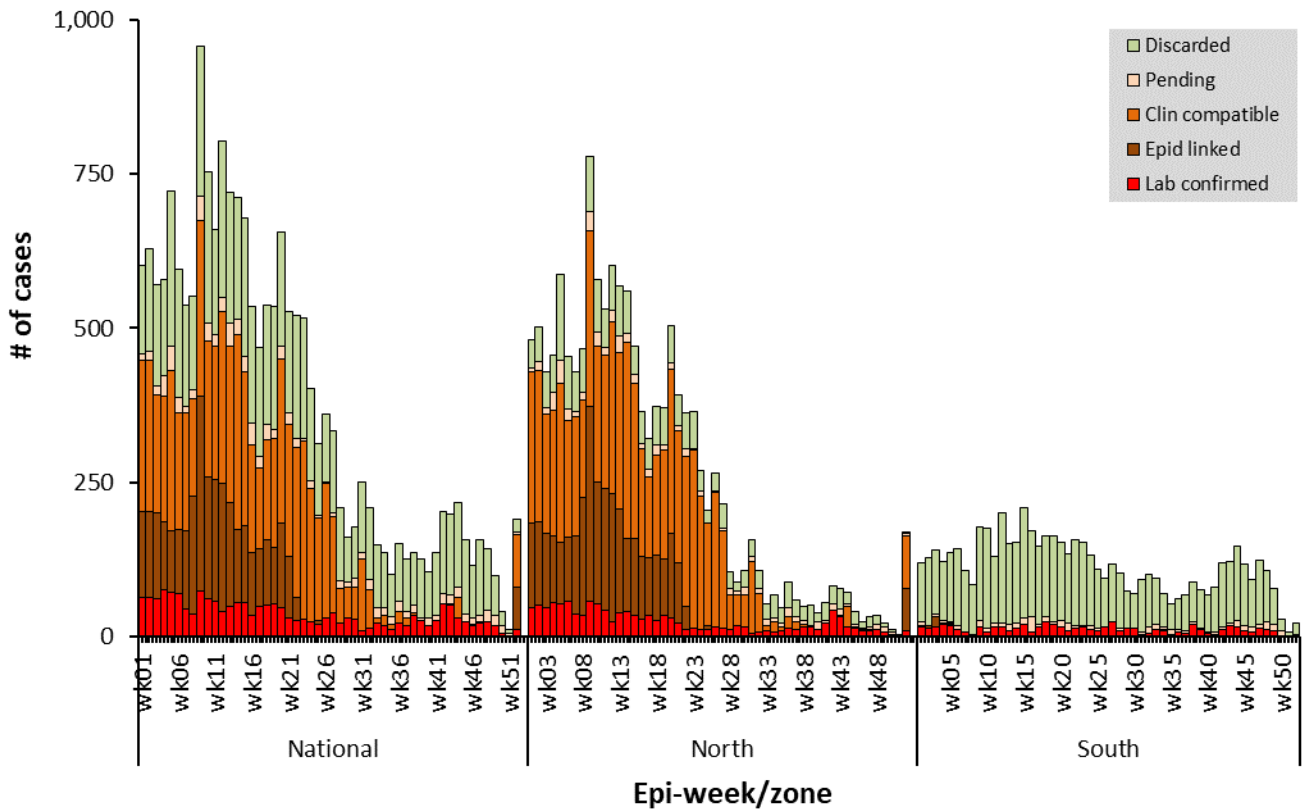


Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), Jan – Dec, 2023

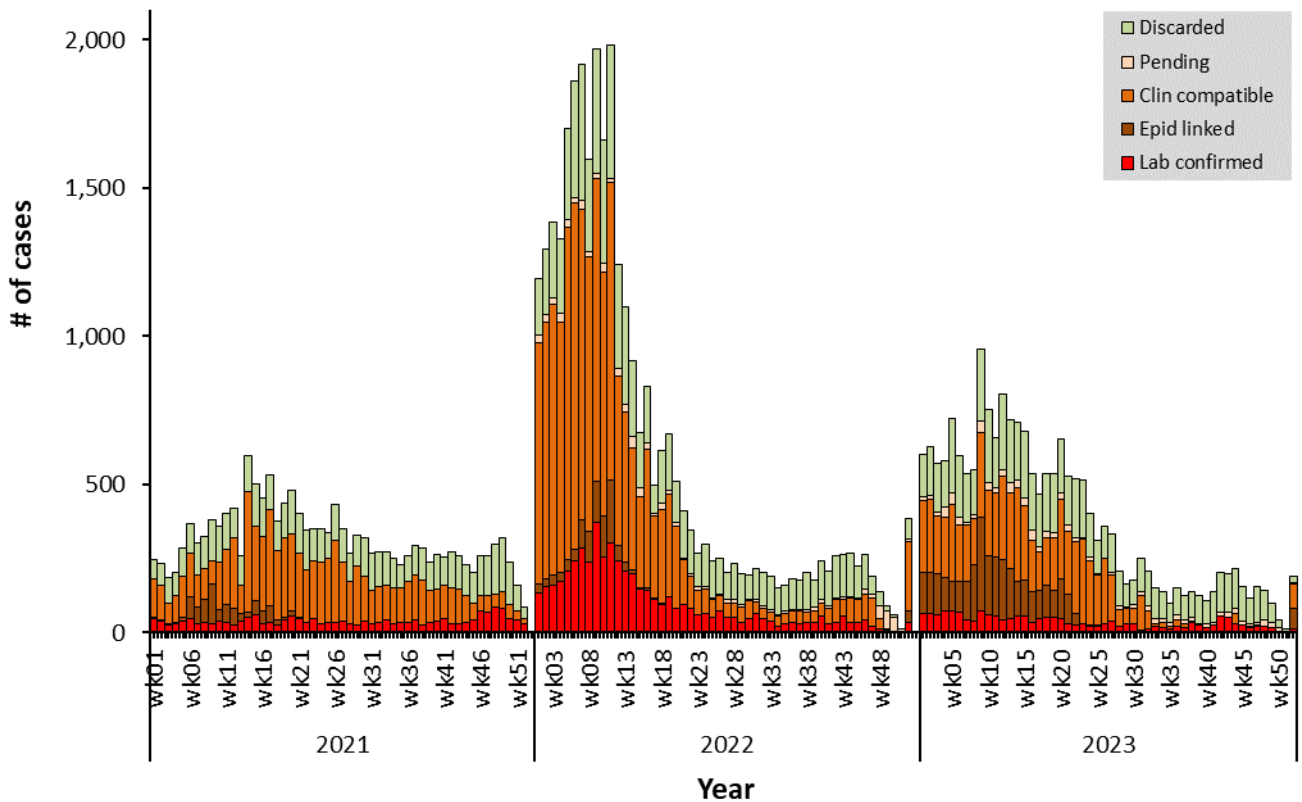


Figure 3: Epi-curve of confirmed measles cases in Nigeria, 2021 – 2023 (Jan - Dec)

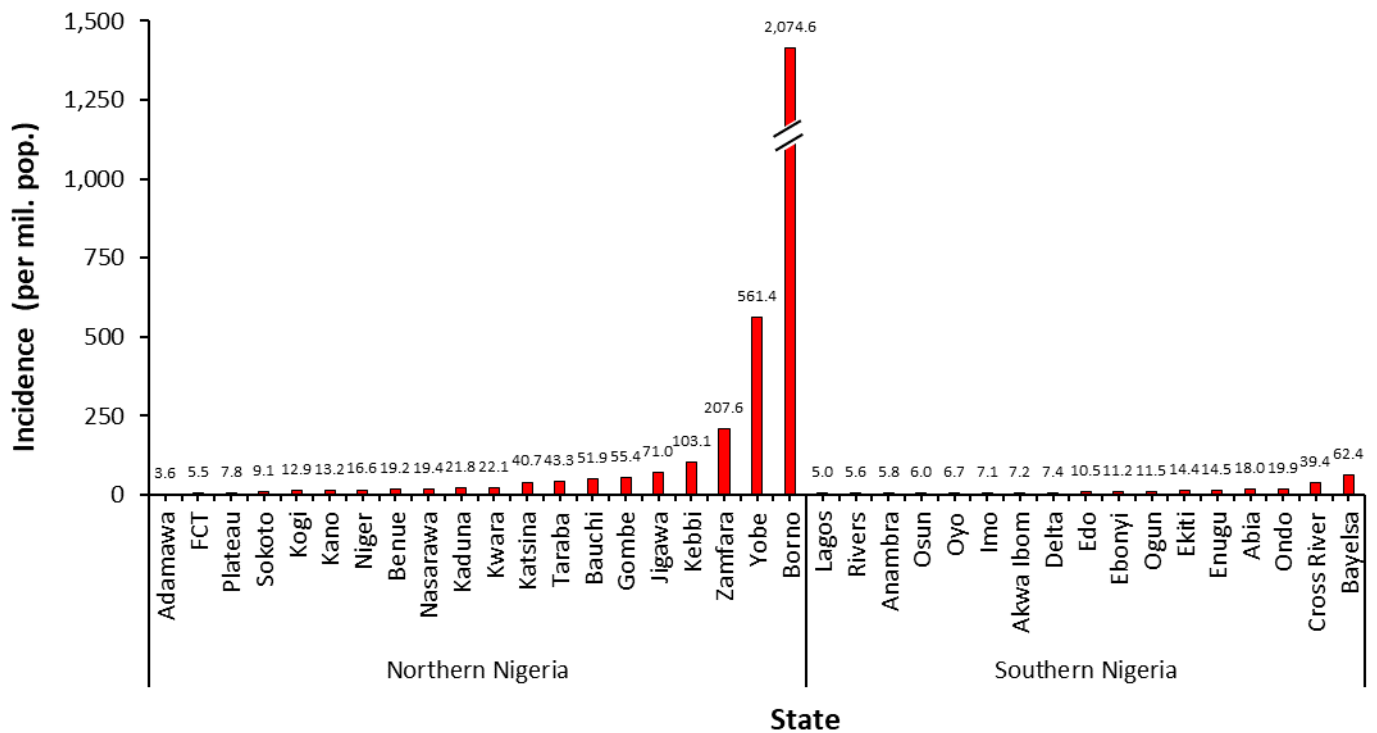


Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), Jan – Dec, 2023

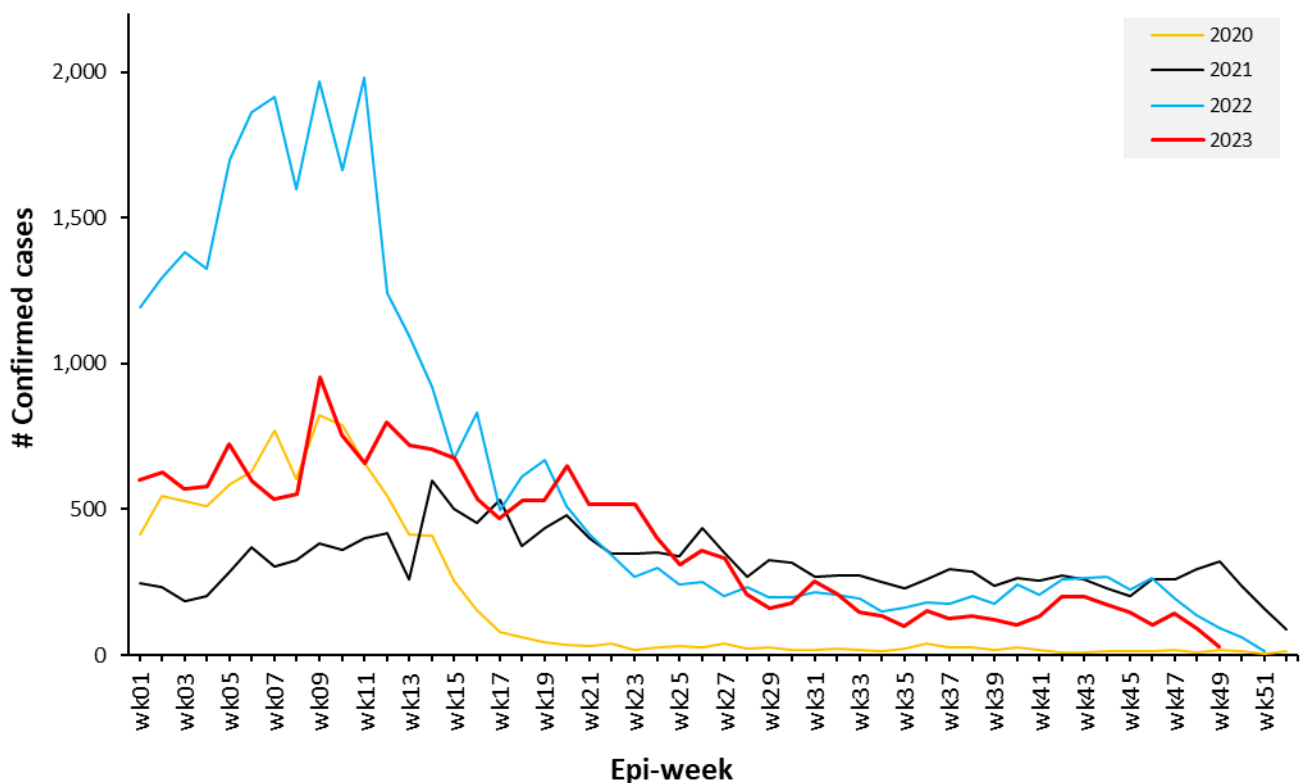


Figure 5: Trend of confirmed measles cases in Nigeria, 2020 – 2023 (epi-week 01 – 52)

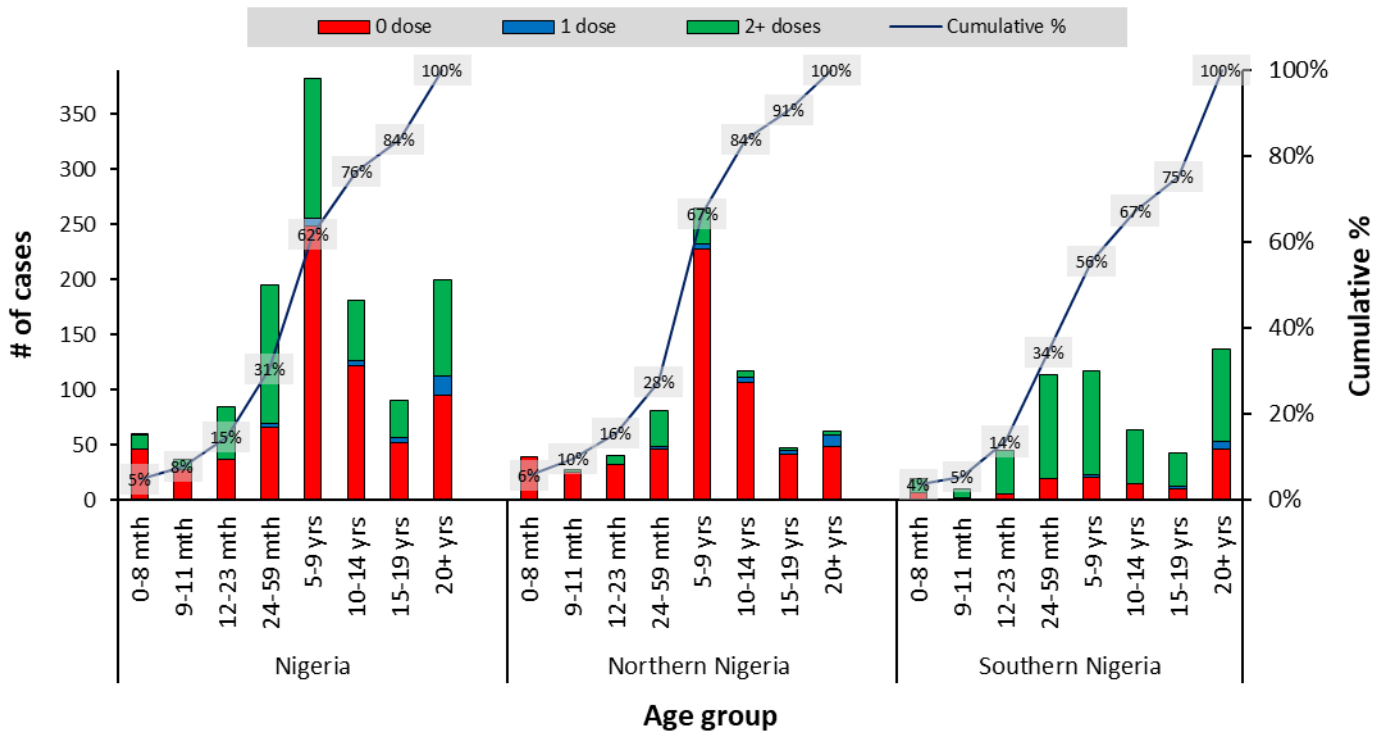


Figure 6: Vaccination status and age distribution lab confirmed measles cases in Nigeria (Northern vs Southern zone), Jan – Dec, 2023

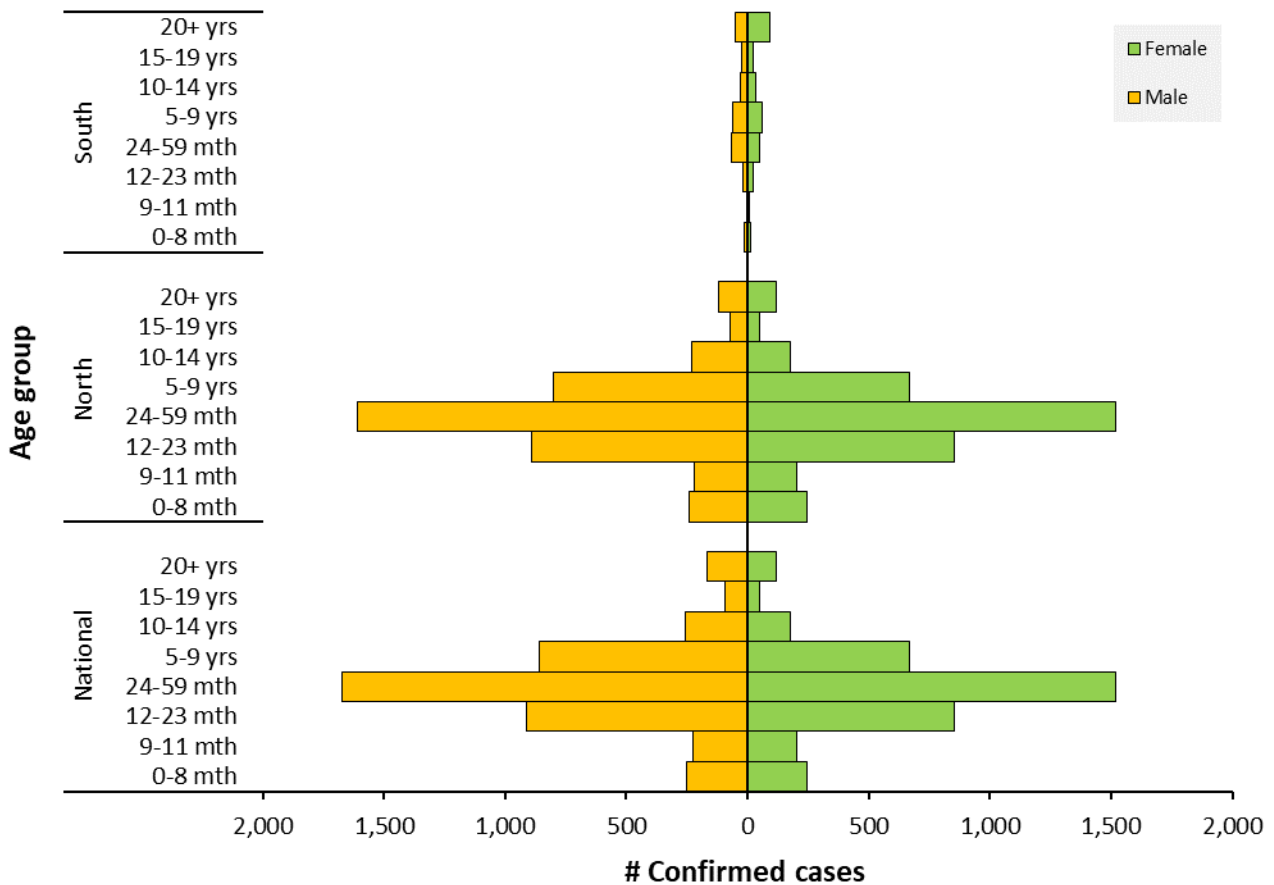


Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (Northern and Southern zone), Jan – Dec, 2023

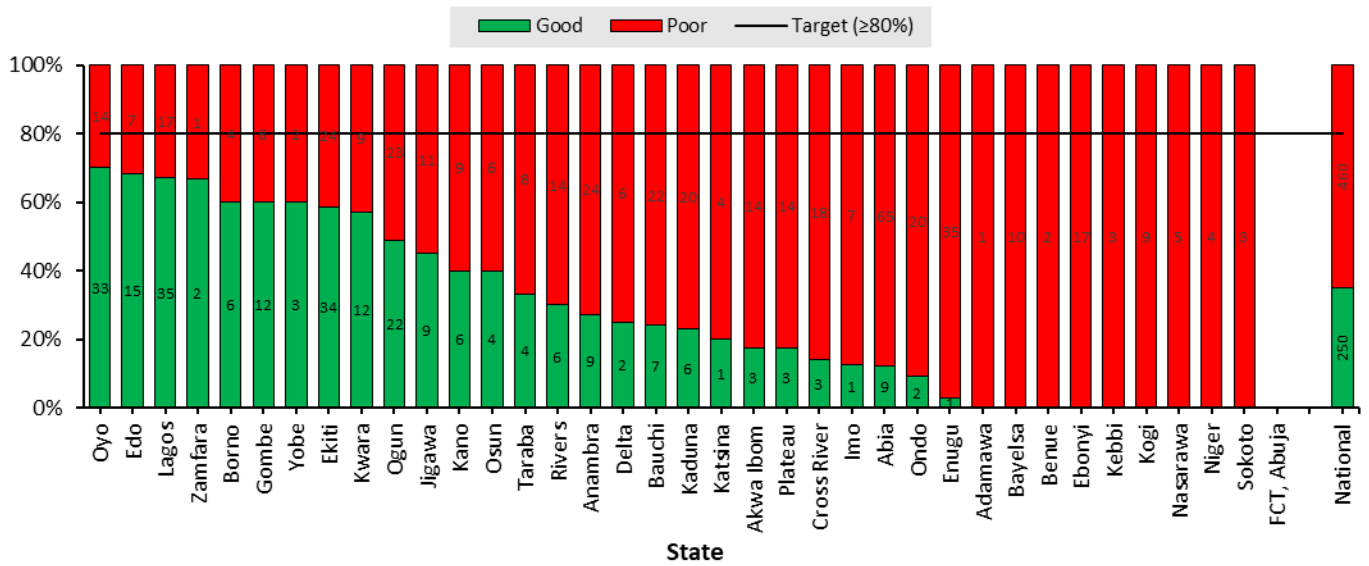


Figure 8: Proportion of measles samples reaching the laboratory in good time, Dec 2023

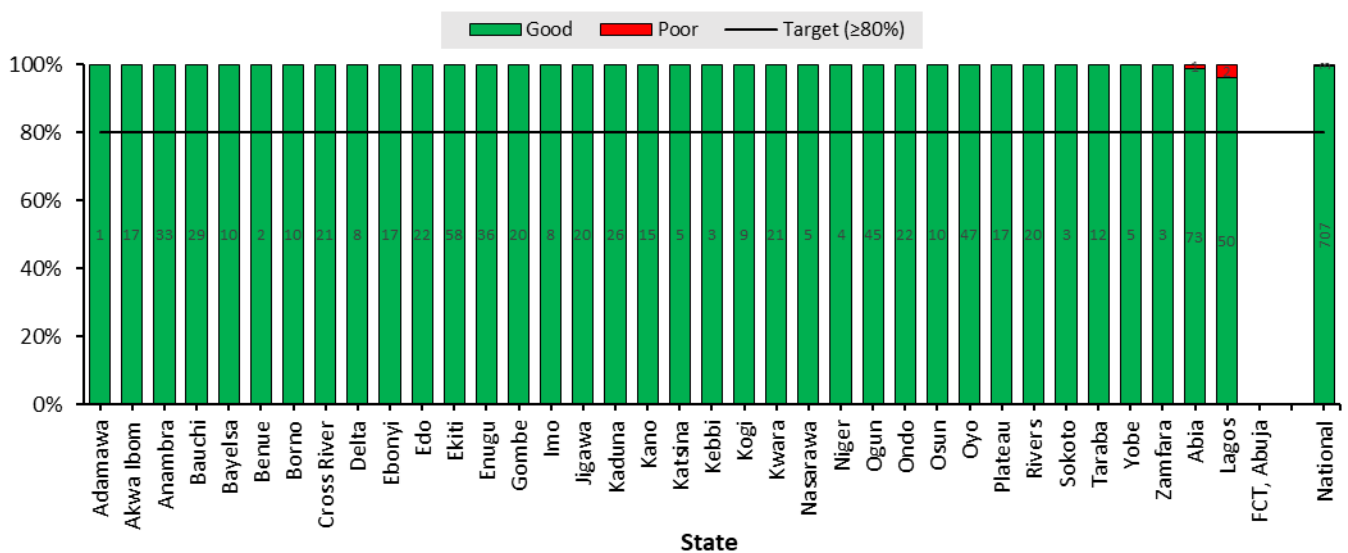


Figure 9: Proportion of measles samples getting to the lab in good condition, Dec 2023

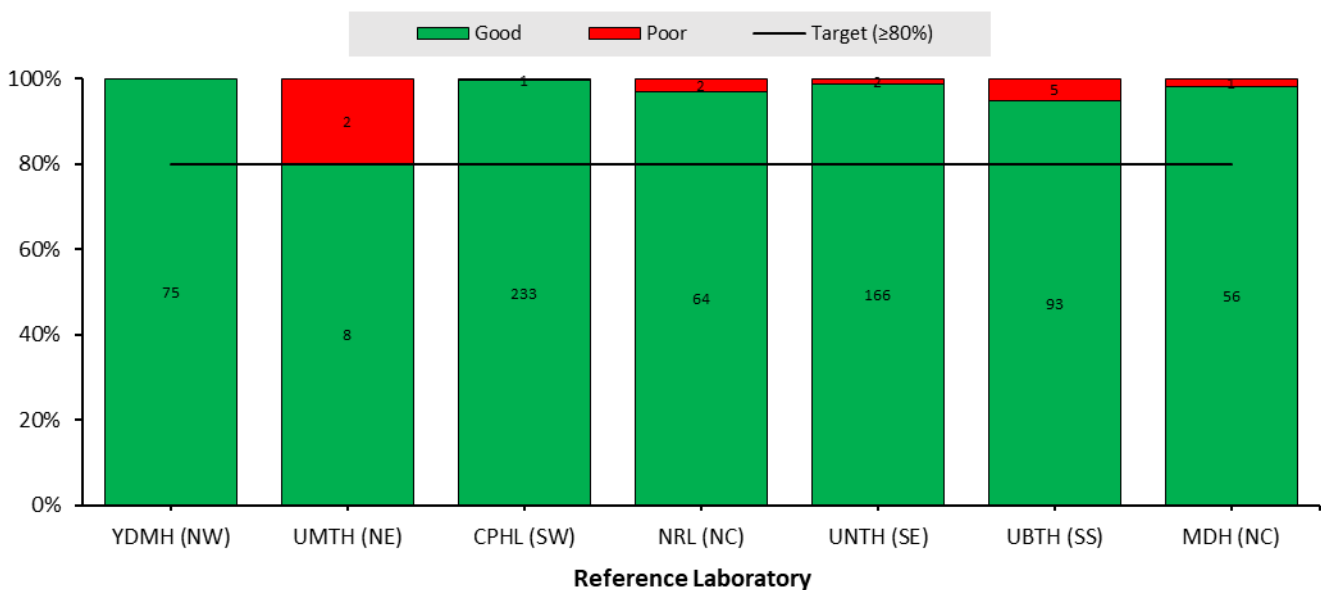


Figure 10: Proportion of measles samples with good turn around time, Dec 2023

Key Activities Conducted

Coordination:

- Ongoing Measles Yellow Fever Outbreak Response Capacity Building Project.
- Landscape analysis of Measles Outbreak Preparedness in Borno and Kebbi State with the following objectives:
 - To gather evidence to strengthen measles outbreak response systems.
 - To understand what is being done at all levels of the health system during a measles outbreak.
 - Propose training activities based on gaps identified from measles outbreak (MOBR) landscape analysis.
- National Measles TWG is 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 all 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.