MEASLES SITUATION REPORT

Serial Number 08

Data as at August 31st 2021

HIGHLIGHTS

- **In August, 2021:**
  - A total of 189 suspected cases were reported from 22 states
  - Ekiti (30), Lagos (20), Oyo (17), Ondo (17), Ebonyi (13), Kwara (13) & Osun (13) with 123 cases accounted for 65.1% of the 189 suspected cases reported in August
  - Of the suspected cases reported, 30 (15.9%) were confirmed (27 lab confirmed & 3 clinically compatible), 155 (82.0%) were discarded and 4 (2.1%) are pending classification
  - A total of 27 LGAs reported at least 1 confirmed case
  - No death was recorded among confirmed cases
- **From January – August, 2021:**
  - Borno (5,614), Ekiti (408) and Oyo (328) accounted for 62.8% of the 10,106 suspected cases reported
  - Of the suspected cases reported, 6,718 (66.5%) were confirmed (1,065 lab confirmed 2,734 epi-linked and 2,919 clinically compatible), 3,272 (32.4%) were discarded and 116 (1.2%) are pending classification
  - The age group 9 - 59 months accounted for 5,048 (75.1%) of all confirmed cases
  - A total of 87 deaths (CFR = 1.3%) were recorded among confirmed cases
  - Up to 5,637 (83.9%) of the confirmed cases did not received any dose of measles vaccination ("zero dose")
- **Measles outbreaks as at August 31st 2021:**
  - In August 2021, five LGAs across four states (Kwara-2; Katsina-1; Ondo-1; Nasarawa-1) recorded an outbreak of measles
  - Cummulatively, a total of 110 LGAs across 29 states and FCT have recorded at least one measles outbreak this year

SITUATION UPDATES

 # Jan - Aug (# New in Aug)

SUSPECTED CASES

10,106 (189)

States With Suspected Cases

36 + FCT (0)

LGAs with Suspected Cases

604 (4)

CONFIRMED CASES

6,718 (30)

States with Confirmed Cases

36 + FCT (0)

LGAs with Confirmed Cases

347 (9)

DEATHS AMONG CONFIRMED CASES

87 (0)

MEASLES OUTBREAKS

110 (5)

States with Measles Outbreaks

29 + FCT (1)

LGAs with Measles Outbreaks

110 (5)

Table 1: Distribution of key measles surveillance variables by states, Jan – Aeeeeug, 2021

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	**7,467**	**6,387 (85.5%)**	**761**	**2734**	**2892**	**76.8%**	**87.0%**
Adamawa	96	54 (56.3%)	24	0	30	50.0%	46.3%
Bauchi	77	31 (40.3%)	29	0	2	48.4%	74.2%
Benue	26	9 (34.6%)	6	0	3	33.3%	100.0%
Borno	5,614	5,458 (97.2%)	118	2,674	2,666	81.2%	87.9%
FCT	32	14 (43.8%)	13	0	1	28.6%	92.9%
Gombe	22	10 (45.5%)	10	0	0	70.0%	50.0%
Jigawa	162	48 (29.6%)	40	0	8	60.4%	100.0%
Kaduna	24	17 (70.8%)	17	0	0	64.7%	100.0%
Kano	178	121 (68.0%)	26	18	77	60.3%	76.0%
Katsina	268	132 (49.3%)	115	0	17	52.3%	97.7%
Kebbi	215	93 (43.3%)	88	0	5	41.9%	84.9%
Kogi	25	10 (40.0%)	9	0	1	10.0%	100.0%
Kwara	96	34 (35.4%)	31	0	3	41.2%	82.4%
Nasarawa	41	8 (19.5%)	7	0	1	12.5%	75.0%
Niger	143	75 (52.4%)	67	0	8	56.0%	97.3%
Plateau	13	4 (30.8%)	3	0	1	25.0%	25.0%
Sokoto	63	31 (49.2%)	31	0	0	61.3%	96.8%
Taraba	33	15 (45.5%)	15	0	0	26.7%	20.0%
Yobe	240	154 (64.2%)	45	42	67	41.6%	65.6%
Zamfara	99	69 (69.7%)	67	0	2	72.5%	100.0%
SOUTH	**2,639**	**331 (12.5%)**	**304**	**0**	**27**	**42.9%**	**24.5%**
Abia	90	2 (2.2%)	2	0	0	50.0%	0.0%
Akwa Ibom	75	6 (8.0%)	6	0	0	83.3%	16.7%
Anambra	148	14 (9.5%)	12	0	2	78.6%	14.3%
Bayelsa	135	42 (31.1%)	41	0	1	50.0%	23.8%
Cross River	67	13 (19.4%)	12	0	1	61.5%	30.8%
Delta	92	16 (17.4%)	16	0	0	81.3%	62.5%
Ebonyi	89	13 (14.6%)	11	0	2	23.1%	23.1%
Edo	69	17 (24.6%)	17	0	0	23.5%	41.2%
Ekiti	408	29 (7.1%)	26	0	3	3.4%	31.0%
Enugu	142	29 (20.4%)	29	0	0	44.8%	20.7%
Imo	105	5 (4.8%)	5	0	0	60.0%	60.0%
Lagos	195	19 (9.7%)	15	0	4	73.7%	0.0%
Ogun	242	34 (14.0%)	32	0	2	35.3%	23.5%
Ondo	155	19 (12.3%)	16	0	3	52.6%	5.3%
Osun	249	13 (5.2%)	9	0	4	23.1%	23.1%
Oyo	328	50 (15.2%)	45	0	5	38.0%	16.0%
Rivers	50	10 (20.0%)	10	0	0	10.0%	60.0%
NATIONAL	**10,106**	**6,718 (66.5%)**	**1,065**	**2,734**	**2,919**	**75.1%**	**83.9%**

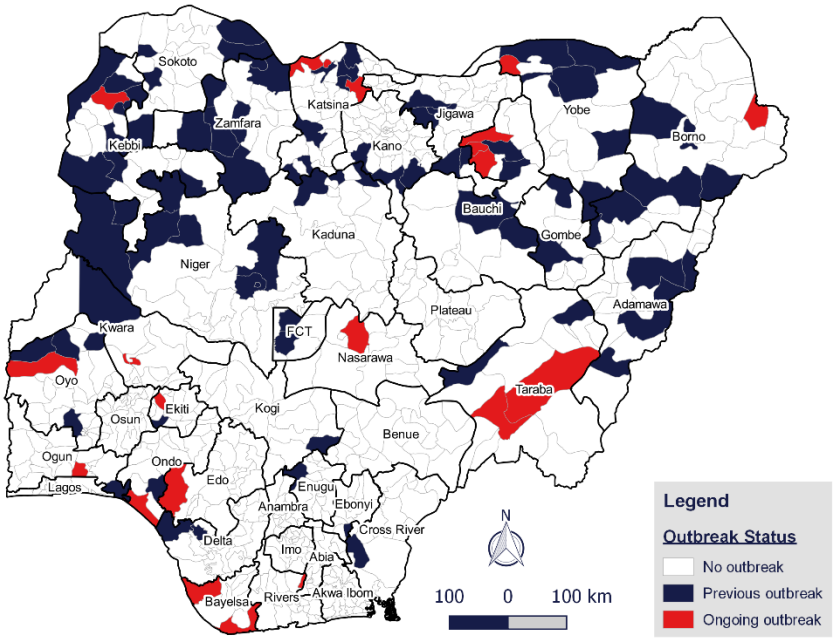

Figure 1: Distribution of LGAs with ongoing measles outbreak in Nigeria, Jan – Aug, 2021

Table 2: Summary of key measles surveillance variables, Jan - Aug, 2019 – 2021

Description of Cases (*source: case-based data*)	**2019 (Jan - Aug)**	**2020 (Jan - Aug)**	**2021 (Jan - Aug)**
# of suspected cases	**34,493**	**13,735**	**10,106**
• Number of LGAs with at least 1 suspected case	739	715	604
• Number of states with at least 1 suspected case	36 + FCT	36 + FCT	36 + FCT
# of suspected cases with blood collected	**9,260**	**6,999**	**4,541**
• Number of lab confirmed (IgM+)	2,224 (22.4%)	2,399 (34.3%)	1,065 (23.5%)
• Number of IgM- (Negative)	7,377 (74.3%)	4,165 (59.5%)	3,272 (72.1%)
• Number of IgM indeterminate	237 (2.4%)	91 (1.3%)	87 (1.9%)
• Number of samples not tested (not done)	94 (1.0%)	8 (0.1%)	1 (0.1%)
• Number of pending samples	0	336 (4.8%)	116 (2.6%)
# of confirmed cases	**27,205**	**9,234**	**6,718**
• Number of laboratory confirmed (IgM+)	2,224 (8.2%)	2,399 (26.0%)	1,065 (15.9%)
• Number of epidemiologically linked	13,854 (50.9%)	1,526 (16.5%)	2,734 (40.7%)
• Number of clinically compatible	11,127 (40.9%)	5,309 (57.5%)	2,919 (43.5%)
# of LGAs with at least 1 confirmed case	603	590	347
# of states with at least 1 confirmed case	36 + FCT	36 + FCT	36 + FCT
# of deaths among confirmed cases (CFR)	151 (0.6%)	54 (0.6)	87 (1.3%)
# of measles outbreak *(source: lab data)*			
• # of LGAs with measles outbreak	-	218	110
• # of states with at least 1 LGA with measles outbreak	-	33 +FCT	23 + FCT

Table 3: Trend of measles surveillance performance indicators, Jan – Aug, 2019 – 2021

Surveillance Performance Indicator	Target	2019 (Jan – Aug)	2020 (Jan – Aug)	2021 (Jan – Aug)
Measles Incidence	< 1/million population	128.9	42.4	29.8
Annualized non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	7.0	3.8	2.9
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	44.9%	57.3%	61.6%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	92.0%	88.2%	77.3%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	8.8	6.4	4.0
Proportion of lab confirmed measles cases	< 10%	22.6%	36.0%	24.1%
Proportion of serum specimens arriving measles laboratory in good condition	≥ 90%	98.5%	85.9%	88.4%

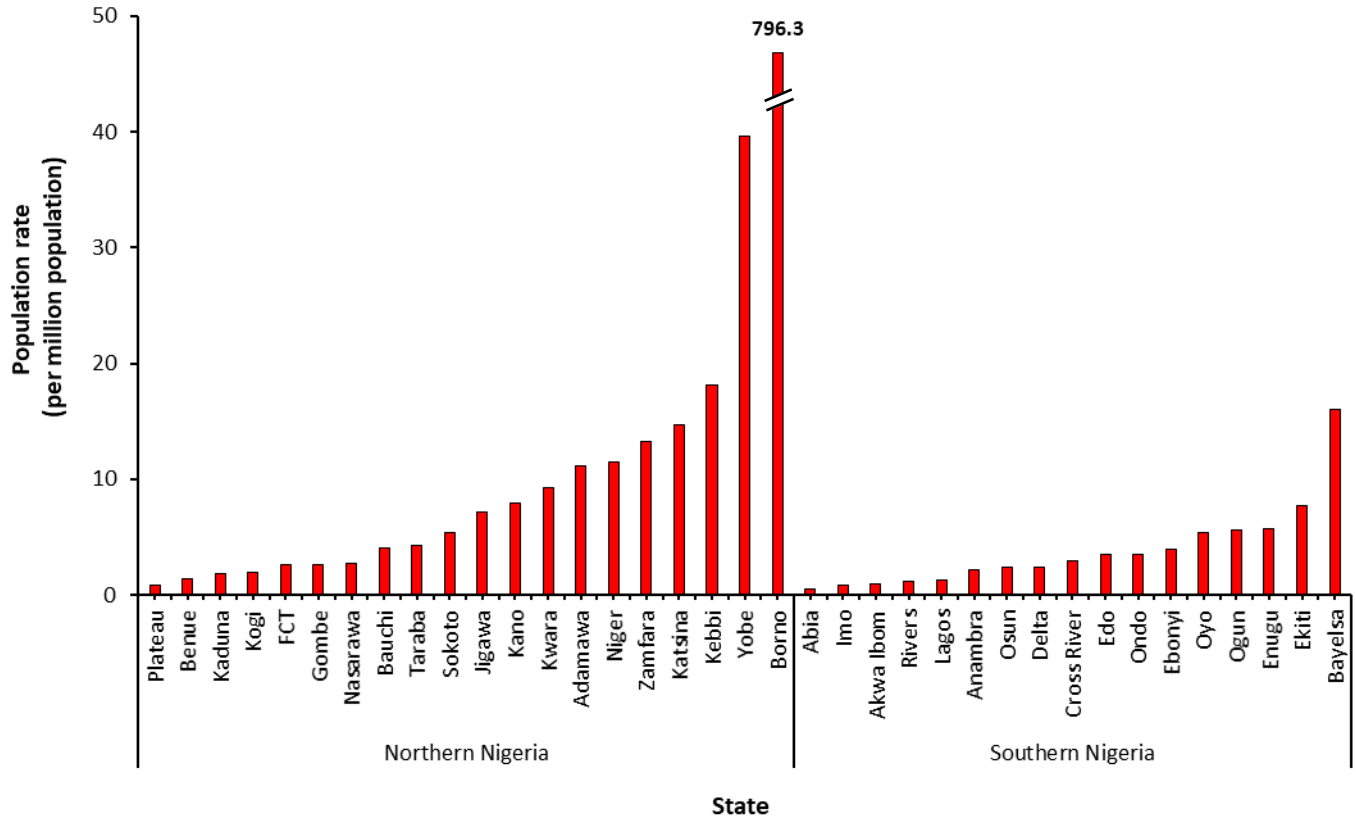

Figure 2: Population rate of confirmed measles cases in Nigeria (North and South), Jan – Aug, 2021

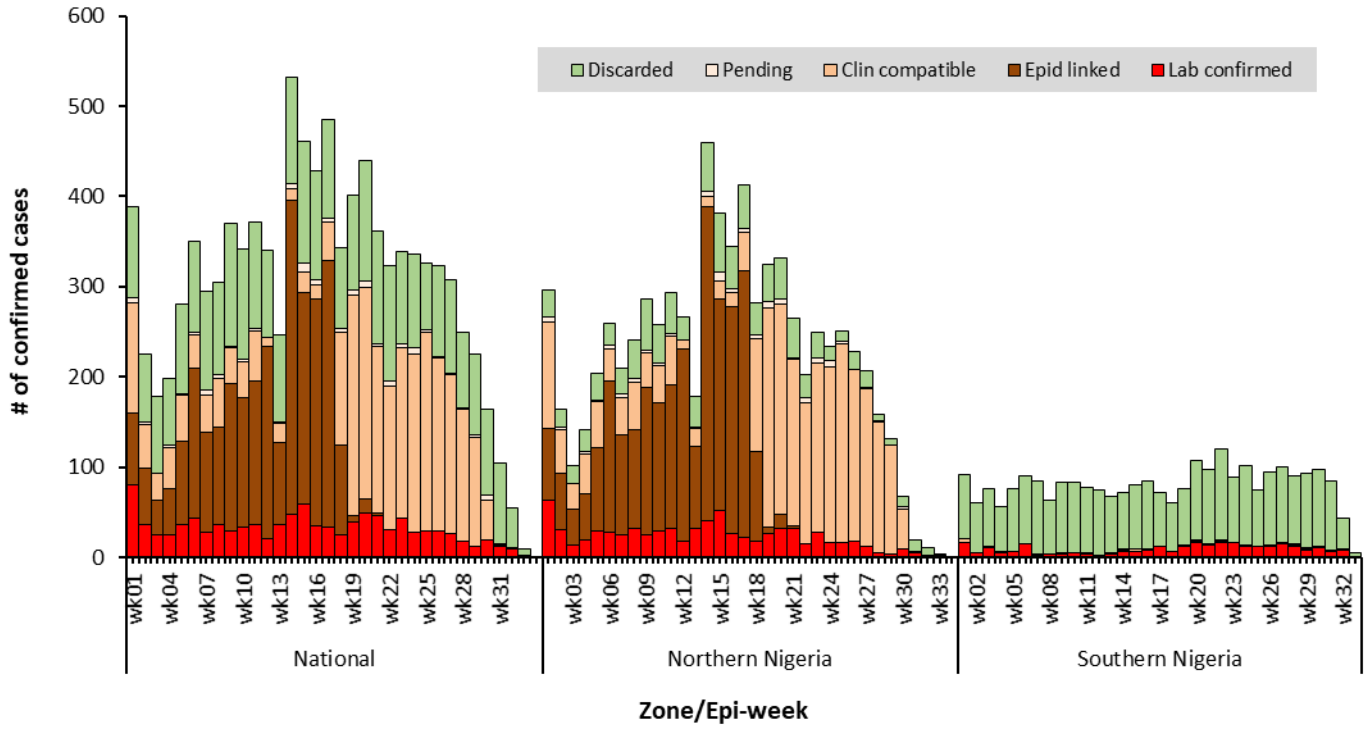

Figure 3: Epi-curve of confirmed measles cases in Nigeria, epi-week 01 - 30, 2021

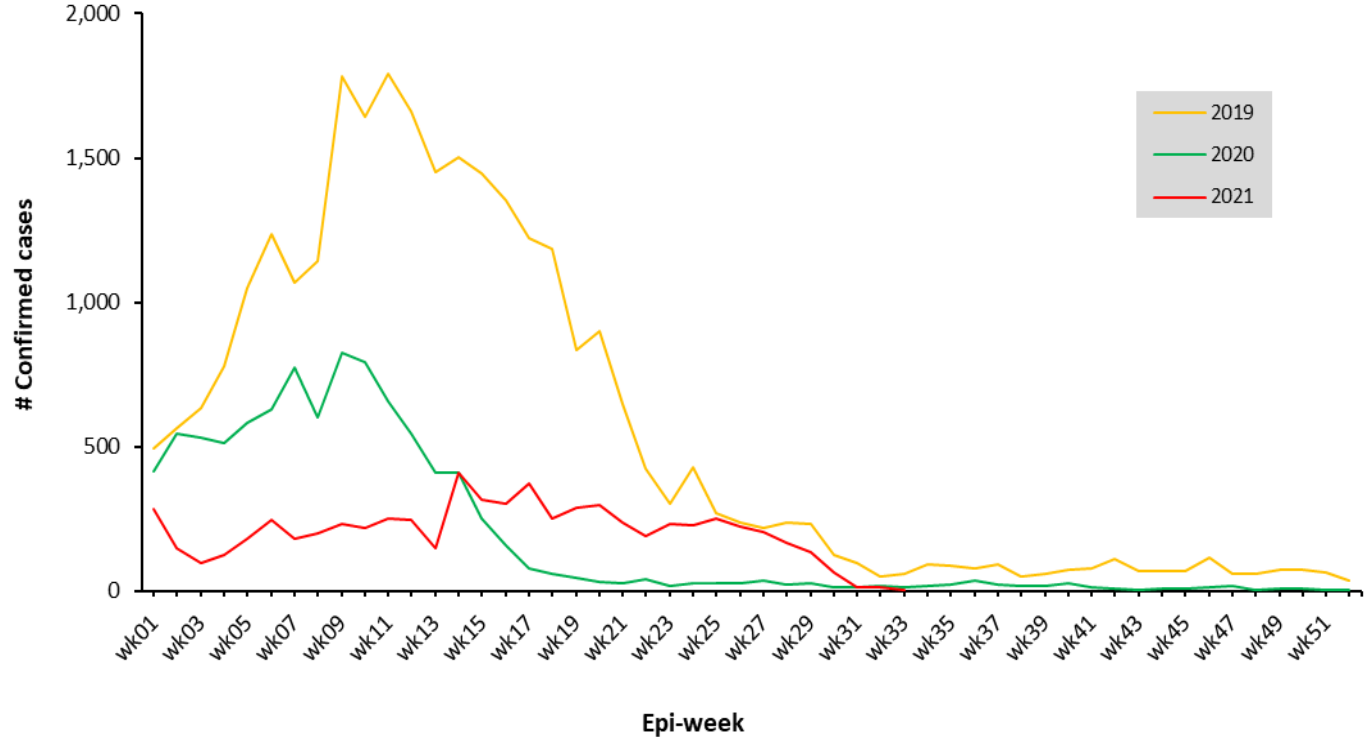

Figure 4: Trend of confirmed measles cases in Nigeria, 2019 – 2021 (epi-week 01 – 30)

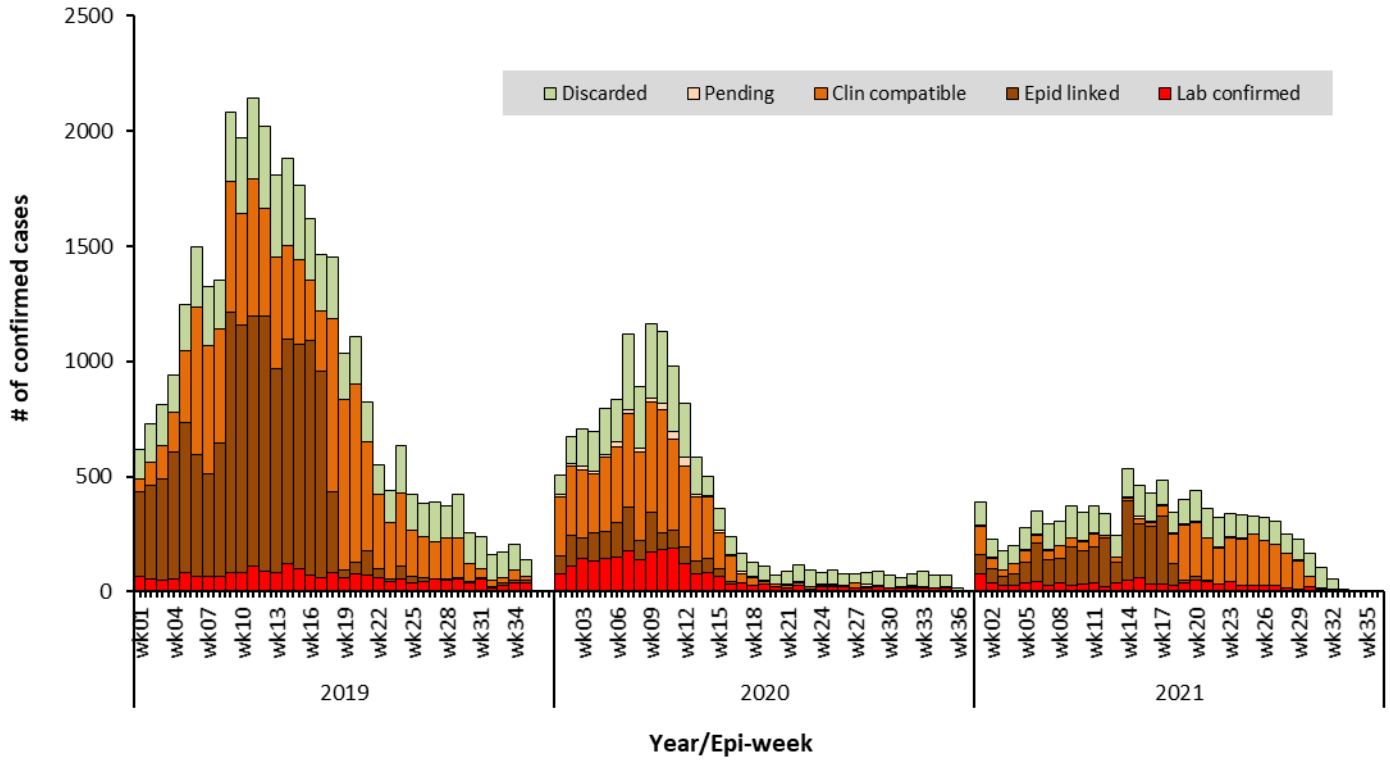

Figure 5: Epi-curve of confirmed measles cases in Nigeria, 2019 – 2021 (epi-week 01 – 30)

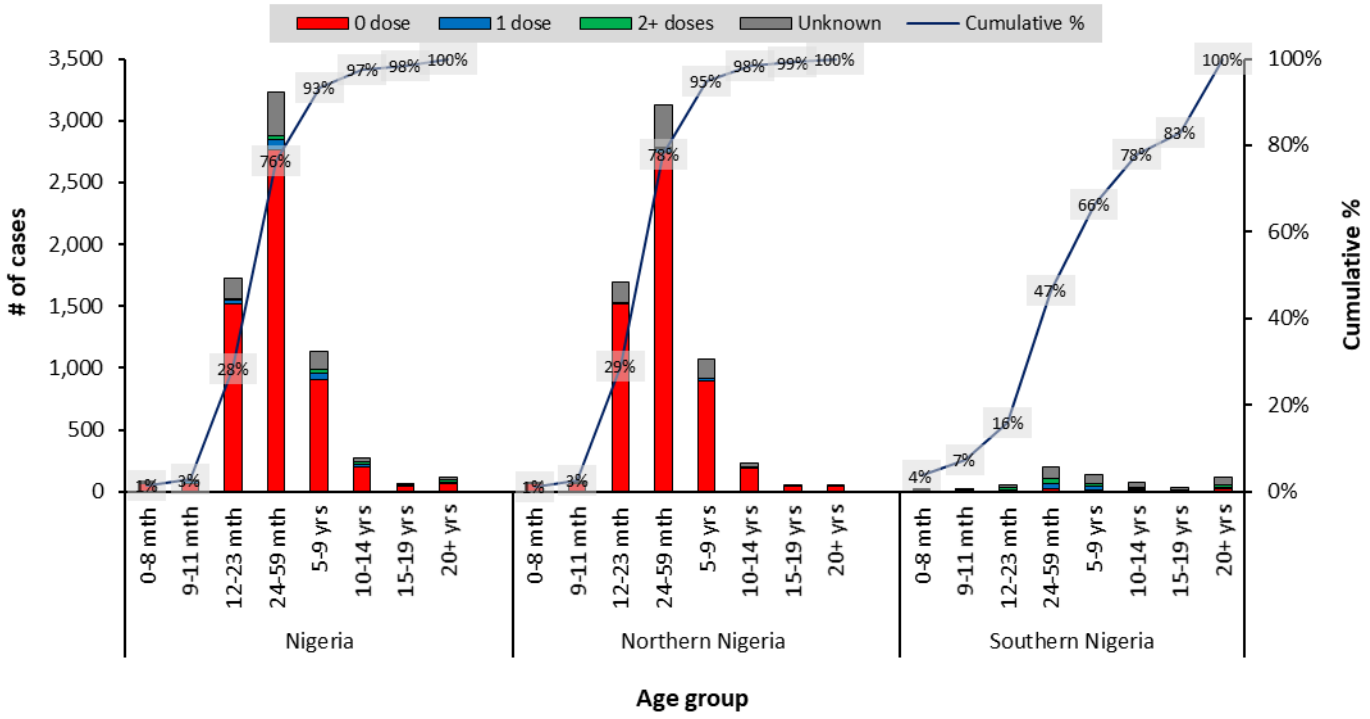

Figure 6: Vaccination status and age distribution confirmed measles cases in Nigeria, Jan – Aug, 2021

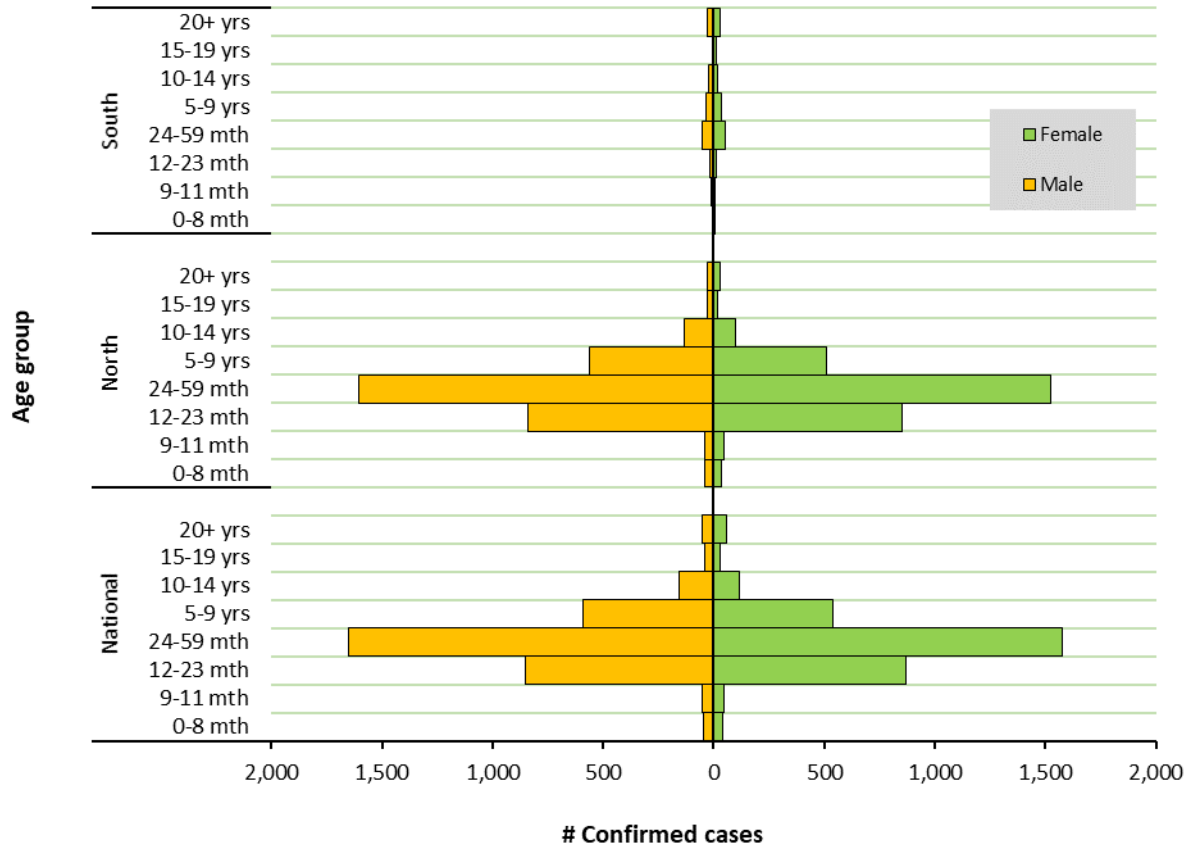

Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (North and South), Jan – Aug, 2021

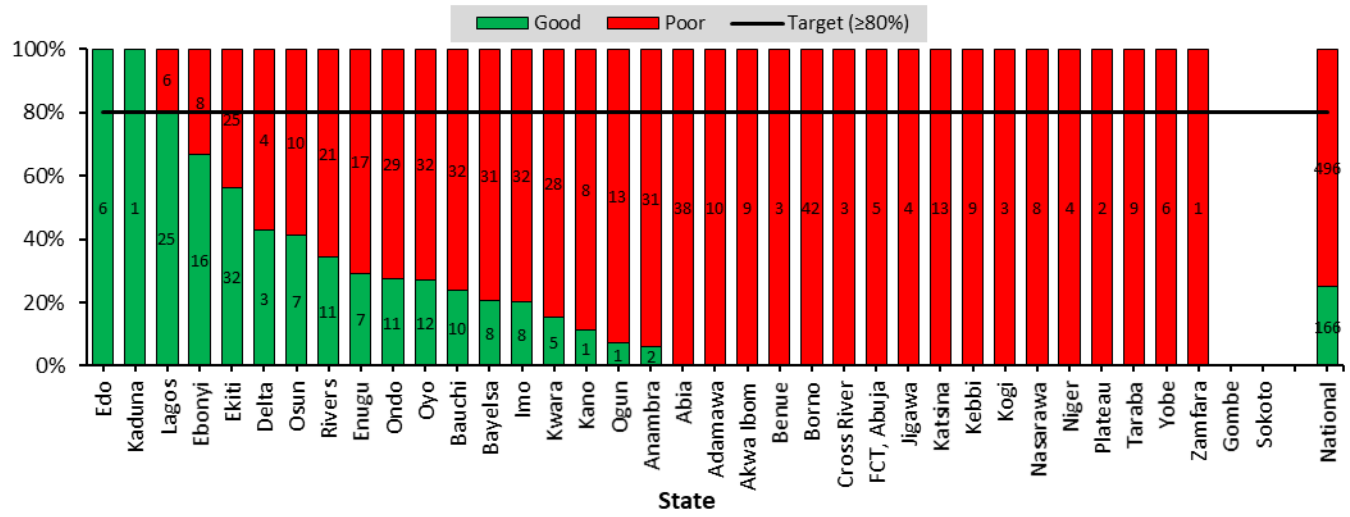

Figure 8: Proportion of measles samples reaching the laboratory in good time (within 3 days of sample collection), August 2021

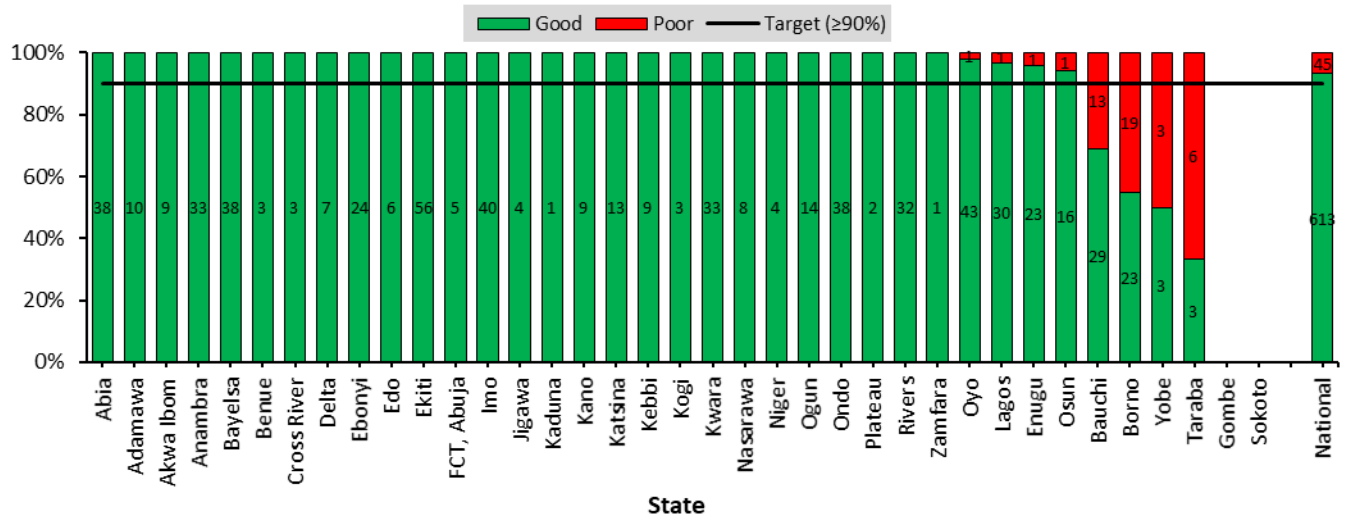

Figure 9: Proportion of measles samples getting to the lab in good condition, August 2021

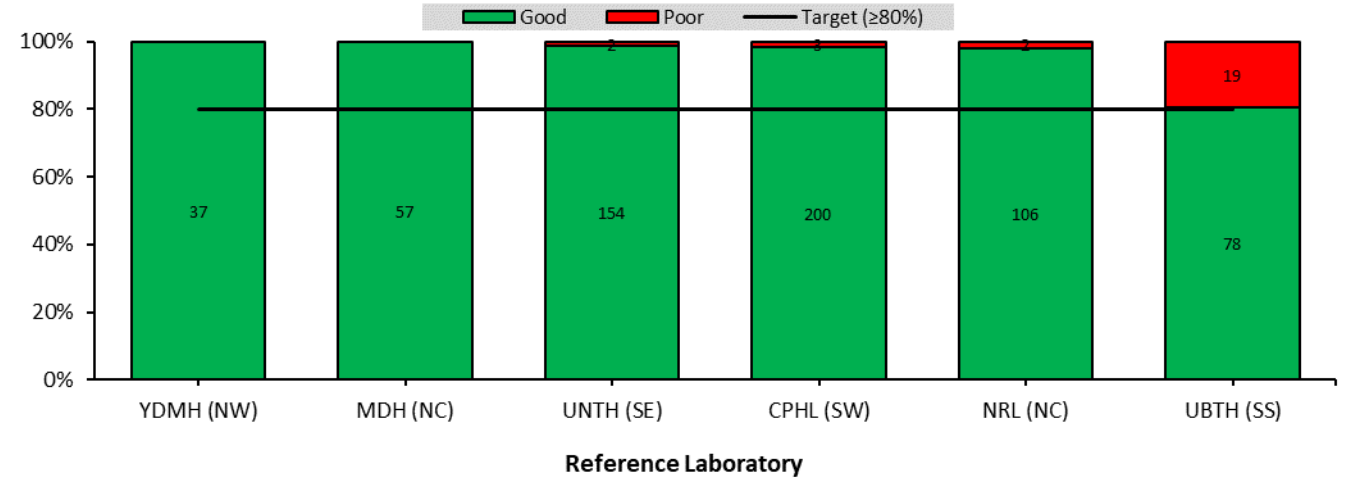

Figure 10: Proportion of measles samples with good turn around time (within 7 days of receiving the sample in laboratory), August 2021

Key Activities Conducted

- **Coordination**
  - National Measles TWG is closely monitoring measles surveillance data with provision of feedback to states, relevant agencies and development partners
  - Virtual biweekly measles TWG meetings – via zoom
  - Weekly surveillance and laboratory data harmonization ongoing
  - Developed draft zero of the measeles and rubella outbreak preparedness and response guideline
- **Laboratory**
  - Testing of samples ongoing in all the six reference laboratories across the country
  - Weekly harmonisation of laboratory results from across testing laboratories
  - Weekly feedback of key performance indicators to measles laboratories

Challenges

- Competing activities at the state and national affecting measles surveillance activities

Next Steps

- Finalise national measles and rubella surveillance guideline for printing
- Virtual biweekly measles TWG meetings for timely review of measles surveillance data and feedback
- Develop national measles and rubella outbreak preparedness and response guideline
- Commence the processes of activation of measles laboratory in the North East