

# MEASLES SITUATION REPORT

Serial Number 04

Data as at April 30<sup>th</sup> 2024



## HIGHLIGHTS

### In April, 2024:

- Katsina (94), Oyo (79), Osun (58), Lagos (55), Anambra (50) and Ogun (36) accounted for 44.76% of the 831 suspected cases reported
- Of the suspected cases reported, 105 (12.63%) were confirmed (86 lab-confirmed & 0 epidemiologically linked, 19 clinically compatible), 266 (32%) were discarded & 460 (55.35%) were pending
- A total of 289 LGAs across 32 States + FCT reported at least one suspected case
- Two (2) deaths was recorded from confirmed cases

### From January – April, 2024:

- Borno (3019) Katsina (379), Lagos (351), Bauchi (349), Yobe (346), Osun (342) and Ogun (302) accounted for 56.84% of the 8,950 suspected cases reported
- Of the suspected cases reported, 4,316 (48.22%) were confirmed (1144 lab-confirmed, 2040 epi-linked and 1132 clinically compatible), 1,213 (13.55%) were discarded and 3,421 (38.22%) were pending classification
- The age group 9 - 59 months accounted for 2775 (64.3%) of all confirmed cases
- A total of 35 deaths (CFR = 0.81%) were recorded among confirmed cases
- Up to 3,344 (77.5%) of the 4,316 confirmed cases did not receive any dose of measles vaccine (“zero doses”)

### Measles outbreaks as at April 30<sup>th</sup> 2024:

- By end of April (epi-week 17) of 2024, a total of 133 LGAs across 23 States have recorded measles outbreaks, with Kaduna and Bauchi States having the highest number of affected LGAs (11 each).
- Adamawa and Borno have 10 affected LGAs each.
- Furthermore, 44 LGAs across 15 States have ended their measles outbreak as at epi-week 17, with Kaduna (8) and Bauchi (7) having the highest number of LGAs that have ended their outbreak this year.
- By end of April 2024, 80 LGAs across 22 States still have ongoing measles outbreak.
- A total of 9 LGAs across 7 States recorded new measles outbreaks in the last week of April 2024.

## SITUATION UPDATES

# Jan - Mar (# New in Mar.)

### SUSPECTED CASES

**8,950 (831)**

States With Suspected Cases  
32 + FCT

LGAs with Suspected Cases  
653 (289)

### CONFIRMED CASES

**4,316 (105)**

States with Confirmed Cases  
19 + FCT

LGAs with Confirmed Cases  
347(49)

### DEATHS AMONG CONFIRMED CASES

**35 (2)**

### MEASLES OUTBREAKS

**133 (9)**

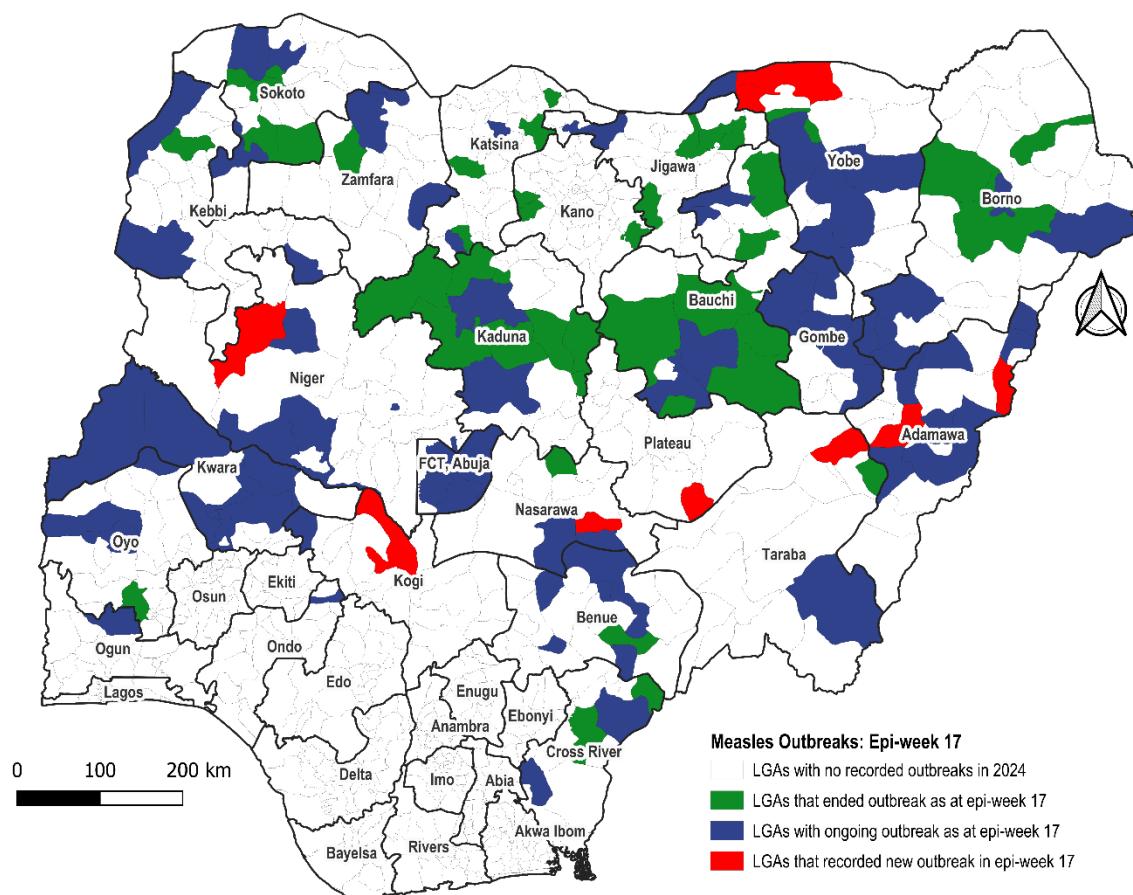
States with Ongoing Measles Outbreaks  
23 (7)

LGAs with Ongoing Measles Outbreaks  
80 (9)



**Table 1: Distribution of key measles surveillance variables by states, Apr 2024**

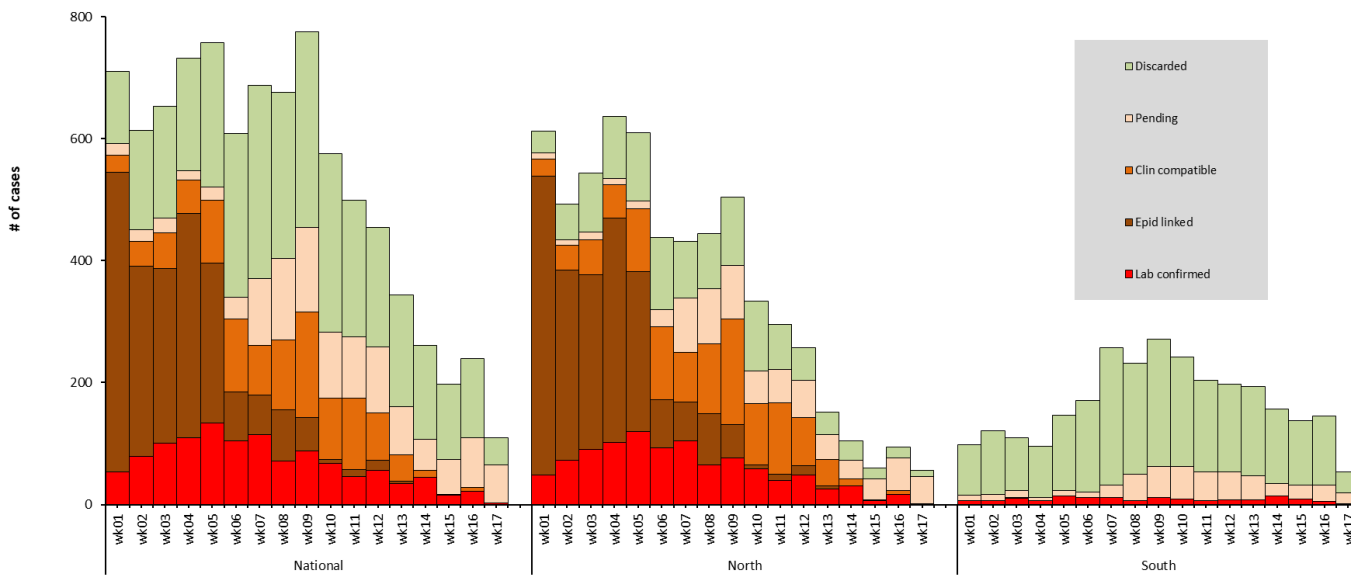
| States       | # Suspected cases | # Confirmed cases (%) | Classification of confirmed cases |              |                  | % of confirmed cases aged 9-59 months | % of confirmed cases that are "zero doses" |
|--------------|-------------------|-----------------------|-----------------------------------|--------------|------------------|---------------------------------------|--|
|              |                   |                       | Lab. confirmed                    | Epid. linked | Clin. Compatible |                                       |  |
| <b>NORTH</b> | <b>6,090</b>      | <b>4,169 (68.5%)</b>  | <b>998</b>                        | <b>2040</b>  | <b>1131</b>      | <b>65.2%</b>                          | <b>79.8%</b>                               |
| Adamawa      | 278               | 99 (35.6%)            | 83                                | 0            | 16               | 45.5%                                 | 86.9%                                      |
| Bauchi       | 349               | 157 (45.0%)           | 82                                | 32           | 43               | 54.1%                                 | 100.0%                                     |
| Benue        | 122               | 60 (49.2%)            | 60                                | 0            | 0                | 38.3%                                 | 100.0%                                     |
| Borno        | 3,019             | 2,931 (97.1)          | 117                               | 1969         | 845              | 70.2%                                 | 77.1%                                      |
| FCT, Abuja   | 57                | 34 (59.6%)            | 34                                | 0            | 0                | 50.0%                                 | 88.2%                                      |
| Gombe        | 179               | 79 (44.1%)            | 70                                | 5            | 4                | 55.1%                                 | 63.3%                                      |
| Jigawa       | 259               | 55 (21.2%)            | 55                                | 0            | 0                | 49.1%                                 | 83.6%                                      |
| Kaduna       | 115               | 69 (60.0%)            | 67                                | 0            | 2                | 63.8%                                 | 100.0%                                     |
| Kano         | 108               | 23 (21.3%)            | 23                                | 0            | 0                | 69.6%                                 | 91.3%                                      |
| Katsina      | 379               | 52 (13.7%)            | 51                                | 0            | 1                | 69.2%                                 | 75.0%                                      |
| Kebbi        | 174               | 38 (21.8%)            | 38                                | 0            | 0                | 50.0%                                 | 100.0%                                     |
| Kogi         | 89                | 27 (30.3%)            | 27                                | 0            | 0                | 33.3%                                 | 74.1%                                      |
| Kwara        | 209               | 78 (37.3%)            | 78                                | 0            | 0                | 37.2%                                 | 96.2%                                      |
| Nasarawa     | 85                | 37 (43.5%)            | 37                                | 0            | 0                | 48.6%                                 | 67.6%                                      |
| Niger        | 77                | 30 (39.0%)            | 30                                | 0            | 0                | 70.0%                                 | 43.3%                                      |
| Plateau      | 49                | 16 (32.7%)            | 15                                | 0            | 1                | 37.5%                                 | 100.0%                                     |
| Sokoto       | 83                | 48 (57.8%)            | 48                                | 0            | 0                | 54.2%                                 | 100.0%                                     |
| Taraba       | 30                | 13 (43.3%)            | 13                                | 0            | 0                | 30.8%                                 | 0.0%                                       |
| Yobe         | 346               | 289 (83.5%)           | 36                                | 34           | 219              | 58.4%                                 | 82.7%                                      |
| Zamfara      | 83                | 34 (41.0%)            | 34                                | 0            | 0                | 70.6%                                 | 97.1%                                      |
| <b>SOUTH</b> | <b>2,860</b>      | <b>147 (5.1%)</b>     | <b>146</b>                        | <b>0</b>     | <b>1</b>         | <b>37.1%</b>                          | <b>14.3%</b>                               |
| Abia         | 94                | 10 (10.6%)            | 10                                | 0            | 0                | 20.0%                                 | 30.0%                                      |
| Akwa Ibom    | 114               | 8 (7.0%)              | 8                                 | 0            | 0                | 62.5%                                 | 0.0%                                       |
| Anambra      | 193               | 6 (3.1%)              | 6                                 | 0            | 0                | 16.7%                                 | 50.0%                                      |
| Bayelsa      | 138               | 11 (8.0%)             | 11                                | 0            | 0                | 54.5%                                 | 0.0%                                       |
| Cross River  | 143               | 8 (5.6%)              | 8                                 | 0            | 0                | 37.5%                                 | 0.0%                                       |
| Delta        | 123               | 1 (0.8%)              | 1                                 | 0            | 0                | 0.0%                                  | 0.0%                                       |
| Ebonyi       | 51                | 0 (0.0%)              | -                                 | 0            | 0                | 0.0%                                  | 0.0%                                       |
| Edo          | 84                | 2 (2.4%)              | 2                                 | 0            | 0                | 100.0%                                | 0.0%                                       |
| Ekiti        | 217               | 3 (1.4%)              | 3                                 | 0            | 0                | 66.7%                                 | 33.3%                                      |
| Enugu        | 152               | 5 (3.3%)              | 5                                 | 0            | 0                | 100.0%                                | 20.0%                                      |
| Imo          | 95                | 4 (4.2%)              | 4                                 | 0            | 0                | 0.0%                                  | 75.0%                                      |
| Lagos        | 351               | 6 (1.7%)              | 5                                 | 0            | 1                | 50.0%                                 | 16.7%                                      |
| Ogun         | 302               | 14 (4.6%)             | 14                                | 0            | 0                | 14.3%                                 | 14.3%                                      |
| Ondo         | 146               | 10 (6.8%)             | 10                                | 0            | 0                | 37.5%                                 | 0.0%                                       |
| Osun         | 342               | 12 (3.5%)             | 12                                | 0            | 0                | 41.7%                                 | 8.3%                                       |
| Oyo          | 263               | 45 (17.1%)            | 45                                | 0            | 0                | 31.8%                                 | 13.3%                                      |
| Rivers       | 52                | 2 (3.8%)              | 2                                 | 0            | 0                | 0.0%                                  | 0.0%                                       |
| <b>TOTAL</b> | <b>8,950</b>      | <b>4,316 (48.2%)</b>  | <b>1,144</b>                      | <b>2040</b>  | <b>1132</b>      | <b>64.3%</b>                          | <b>77.5%</b>                               |



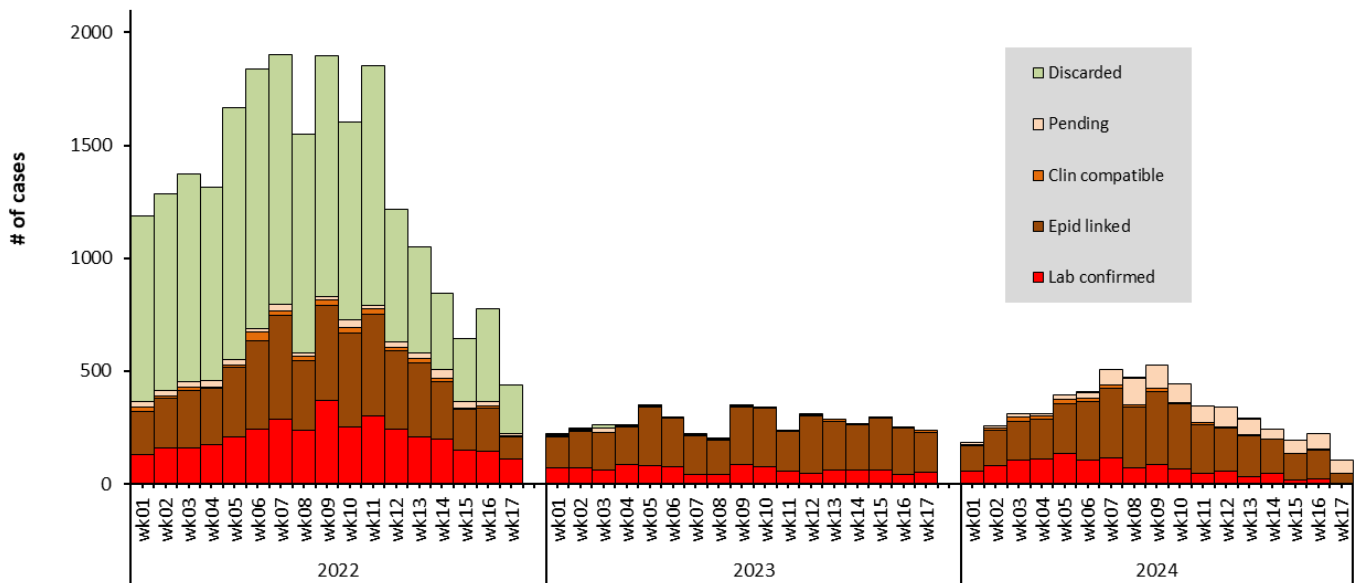
**Figure 1: Distribution of measles outbreak by LGAs/States in Nigeria, Jan - Apr 2024**

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

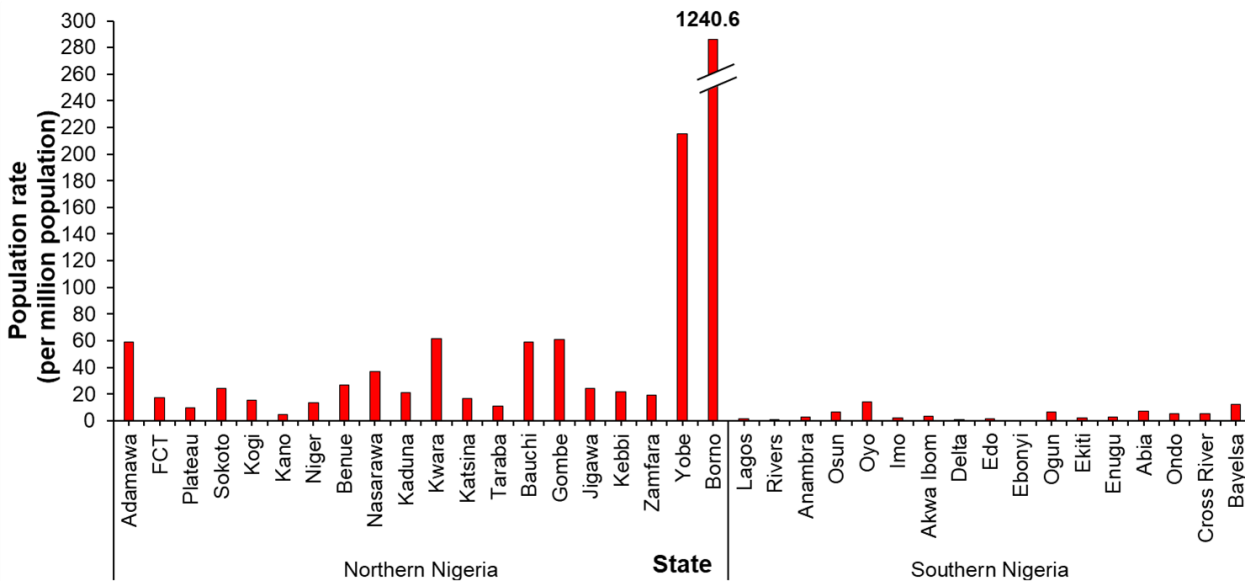
| Surveillance Performance Indicator   | Target                 | 2021<br>(Jan - Apr) | 2022<br>(Jan - Apr) | 2023<br>(Jan - Apr) | 2024<br>(Jan - Apr) |
|--|------------------------|---------------------|---------------------|---------------------|---------------------|
| Annualized measles Incidence   | < 1/million population | 56.3.3              | 230.8               | 97.4                | 52.2                |
| Annualized non-measles febrile rash illness (NMFRI) rate                               | ≥ 2/100,000 population | 2.4                 | 6.6                 | 4.4                 | 4.0                 |
| Proportion of reported measles cases from whom blood specimen was collected            | ≥ 80%                  | 47.0%               | 42.1%               | 62.9%               | 83.7%               |
| 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 | 3.3                 | 12.1                | 6.1                 | 7.0                 |
| Proportion of lab confirmed measles cases  | < 10%                  | 10.9%               | 15.3%               | 9.2%                | 12.8%               |
| Proportion of serum specimens arriving at measles laboratory in good condition         | ≥ 90%                  | 93%                 | 87%                 | 95%                 | 99.7                |



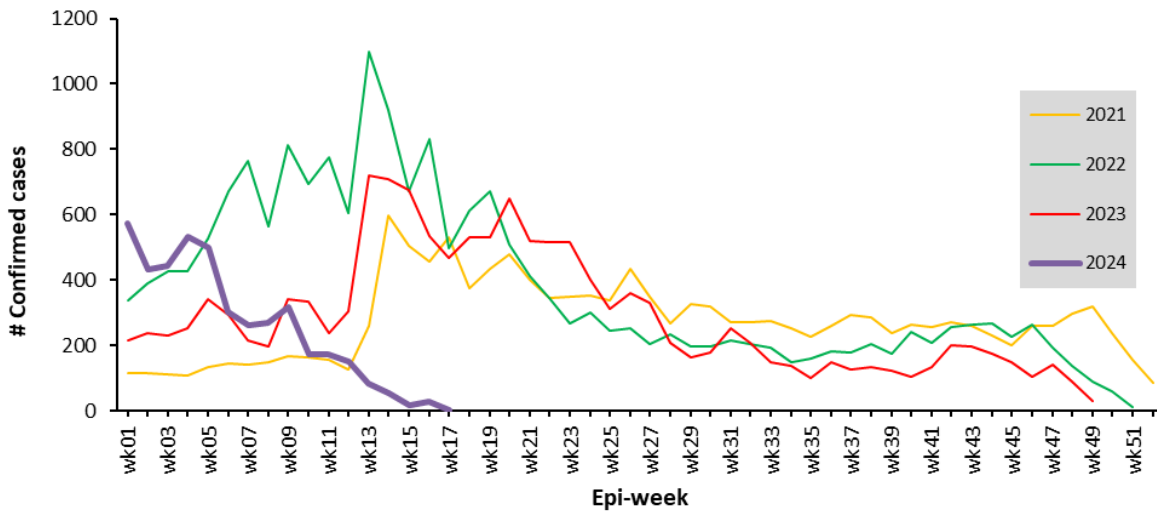
**Figure 2: Epi-curve of measles cases in Nigeria (Northern vs Southern zone), Jan - Apr, 2024**



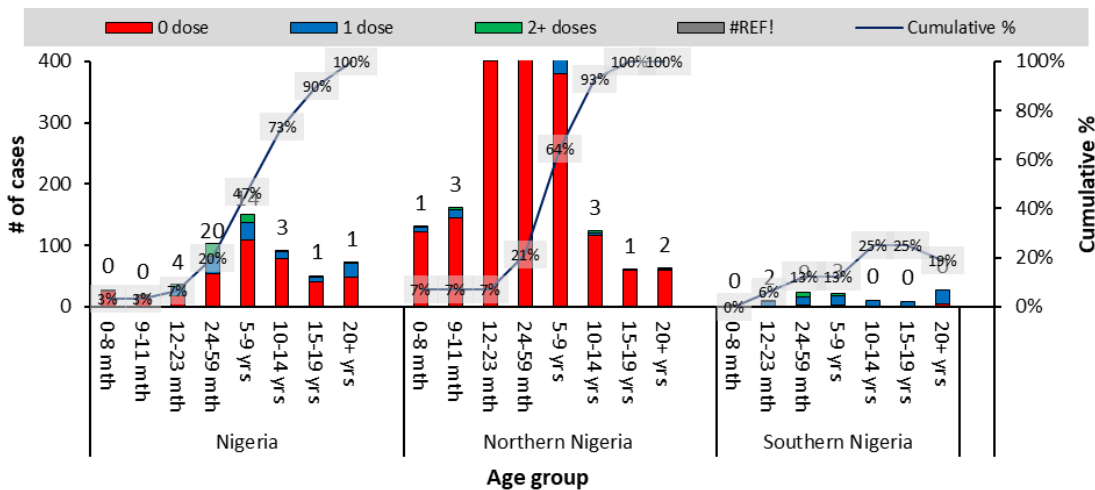
**Figure 3: Epi-curve of confirmed measles cases in Nigeria, 2021 – 2024 (Mar)**



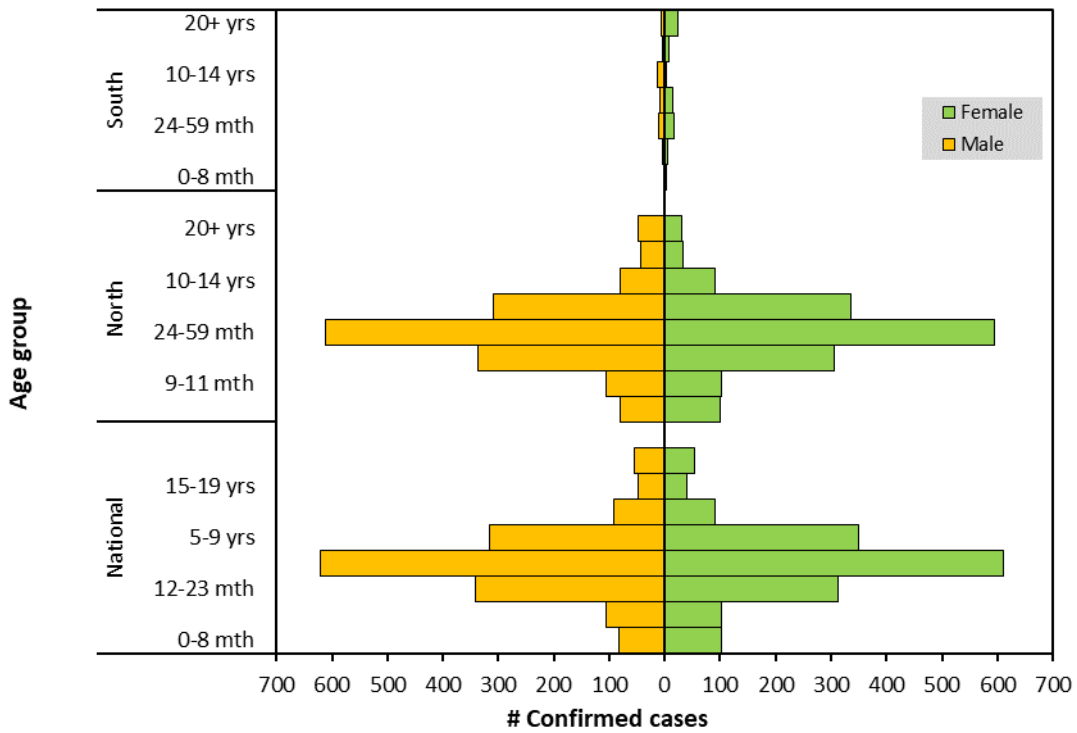
**Figure 4: Incidence of confirmed measles cases in Nigeria (North and South), Jan - Apr, 2024**



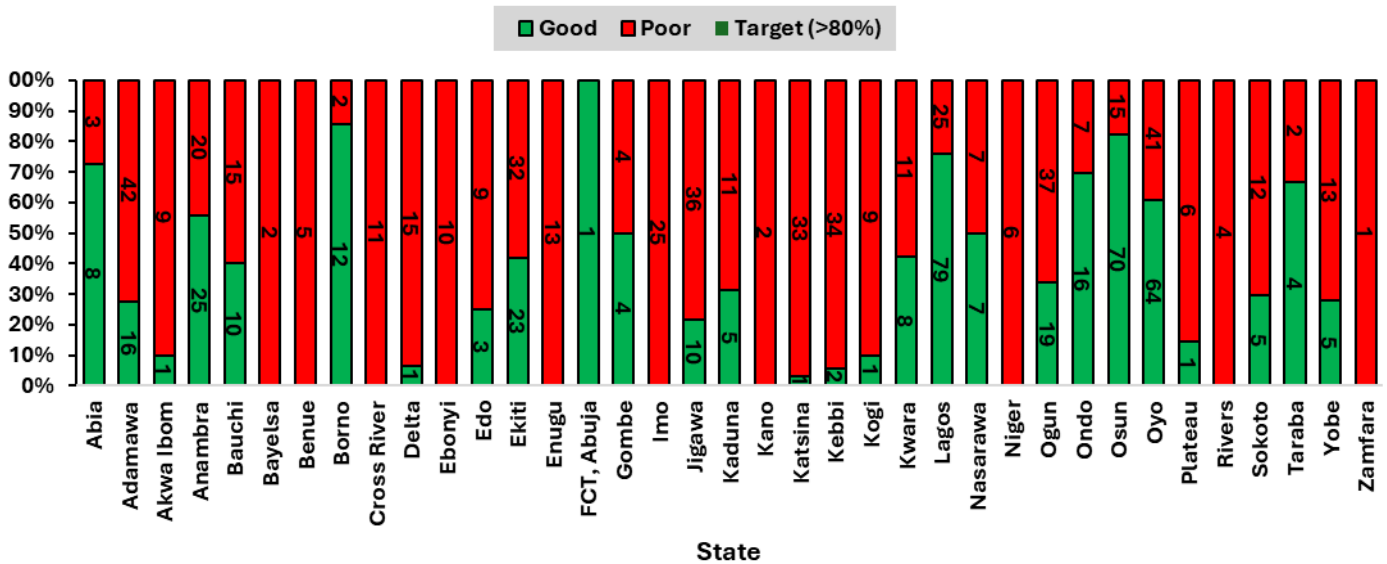
**Figure 5: Trend of confirmed measles cases in Nigeria, 2020 – 2024 (epi-week 01 – 52)**



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



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



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

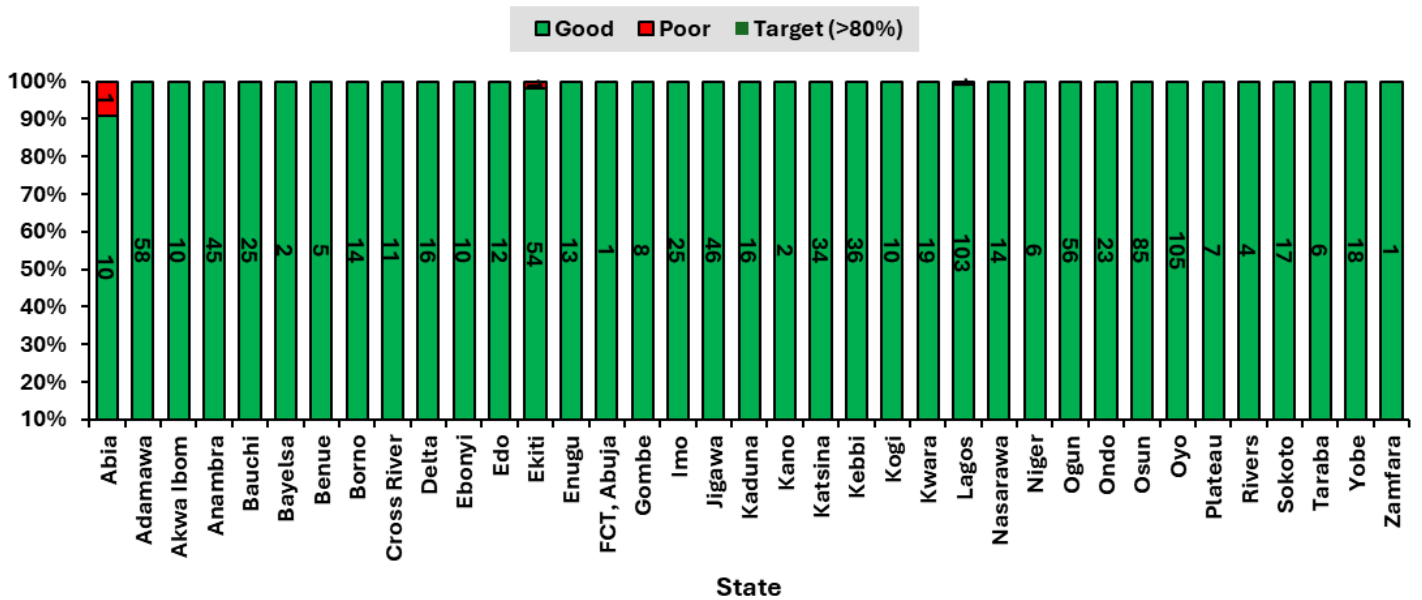


Figure 9: Proportion of measles samples getting to the lab in good condition, Jan – Apr, 2024



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

## **Key Activities Conducted**

### **Coordination:**

- 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.