

MEASLES SITUATION REPORT

Serial Number 12

Data as at December 31st 2020



HIGHLIGHTS

- **In December, 2020:**
 - A total of 157 suspected cases were reported from 23 states of which 84(53.5%) were from Ekiti (33), Oyo (15), Bayelsa (15), Lagos (11) and Osun (10)
 - Of the 157 suspected cases, 15 (9.5%) were confirmed (14 lab confirmed & 1 clinically compatible), 97 (61.8%) were discarded and 45 (28.7%) are pending classification
 - The 15 confirmed cases were from 9 states; Oyo(3), Akwa Ibom (2), Osun (2), Edo(2), Niger(2), Rivers(1), Ekiti(1), Ondo(1), and Kwara(1)
 - One new LGA (Saki East in Oyo State) reported confirmed cases
 - No death was recorded among confirmed cases
- **From January – December, 2020:**
 - Katsina (1,778), Sokoto (1,233), Yobe (1,202), Zamfara (1,102), Adamawa (777), Kebbi (756) and Borno (677) accounted for 49.8% of the 15,099 suspected cases reported
 - Of the 15,099 suspected cases reported, 9,316 (61.7%) were confirmed (2,508 lab confirmed, 1,501 epi-linked and 5,307 clinically compatible), 4,973 (32.9%) were discarded and 810 (5.4%) are pending classification
 - The age group 9 - 59 months accounted for 58.7% of all confirmed cases
 - A total of 55 deaths (CFR = 0.6%) were recorded among confirmed cases
 - Up to 5,422 (58.3%) of the confirmed cases did not received any dose of measles vaccination (“zero dose”)
- **Measles outbreaks from January – December, 2020:**
 - One new LGA (Saki East LGA of Oyo State) recorded an outbreak in this reporting month
 - Of the 223 LGAs with reported outbreak this year, 5 LGAs across 5 states have an ongoing outbreak in December

SITUATION UPDATES

Total (New in this month)

SUSPECTED CASES

15,099 (157)

States With Suspected Cases
36 + FCT

LGAs with Suspected Cases
732 (1)

CONFIRMED CASES

9,316 (15)

States with Confirmed Cases
36 + FCT

LGAs with Confirmed Cases
603 (1)

DEATHS AMONG CONFIRMED CASES

55 (0)

MEASLES OUTBREAKS

223 (1)

States with Measles Outbreaks
32 + FCT (0)

LGAs with Measles Outbreaks
223 (1)



Table 1: Distribution of key measles surveillance variables by states, Jan – Dec, 2020

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	Epi. linked	Clin. Compatible		
NORTH	10,653	8,490 (79.7%)	1,723	1,501	5,266	60.2%	61.5%
Adamawa	777	515 (66.3%)	237	227	51	35.9%	49.9%
Bauchi	603	5625 (95.2%)	12	0	562	58.9%	0.2%
Benue	103	45 (32.0%)	29	0	4	39.4%	97.0%
Borno	678	4155 (82.0%)	92	49	415	56.7%	69.2%
FCT	42	55 (47.6%)	15	0	5	30.0%	95.0%
Gombe	270	335 (68.1%)	36	115	33	51.6%	82.1%
Jigawa	608	1775 (58.9%)	181	0	177	53.1%	75.7%
Kaduna	237	1175 (75.9%)	63	0	117	53.3%	76.1%
Kano	265	1775 (83.4%)	44	0	177	81.4%	96.8%
Katsina	1,778	1,591 (89.5%)	241	694	656	66.2%	28.6%
Kebbi	756	2345 (56.7%)	195	0	234	46.2%	91.8%
Kogi	145	65 (43.4%)	57	0	6	42.9%	74.6%
Kwara	133	85 (40.6%)	46	0	8	35.8%	73.6%
Nasarawa	132	75 (43.2%)	28	22	7	52.6%	59.6%
Niger	276	335 (69.6%)	130	29	33	60.0%	97.9%
Plateau	141	325 (49.6%)	22	16	32	21.4%	84.3%
Sokoto	1,233	1,179 (95.6%)	55	0	1124	65.1%	94.3%
Taraba	173	05 (31.2%)	54	0	0	24.1%	3.7%
Yobe	1,201	1,099 (91.5%)	153	349	597	58.9%	58.3%
Zamfara	1,102	1,061 (96.3%)	33	0	1,028	76.1%	73.6%
SOUTH	4,446	415 (18.6%)	785	0	41	42.9%	25.4%
Abia	218	25 (21.1%)	44	0	2	28.3%	21.7%
Akwa Ibom	179	35 (34.1%)	58	0	3	44.1%	59.3%
Anambra	243	25 (9.5%)	21	0	2	34.8%	47.8%
Bayelsa	195	35 (24.6%)	45	0	3	58.3%	64.6%
Cross River	155	25 (20.0%)	29	0	2	29.0%	35.5%
Delta	281	15 (26.7%)	74	0	1	61.3%	68.0%
Ebonyi	87	05 (21.8%)	19	0	0	47.4%	73.7%
Edo	113	25 (18.6%)	19	0	2	47.4%	21.1%
Ekiti	554	55 (9.0%)	45	0	5	18.4%	0.0%
Enugu	302	15 (9.3%)	27	0	1	46.4%	7.1%
Imo	214	25 (14.0%)	28	0	2	33.3%	56.7%
Lagos	313	05 (7.0%)	22	0	0	54.5%	0.0%
Ogun	297	65 (32.0%)	89	0	6	48.4%	0.0%
Ondo	169	15 (15.4%)	25	0	1	36.0%	0.0%
Osun	504	35 (19.6%)	96	0	3	42.3%	0.0%
Oyo	416	55 (26.0%)	103	0	5	41.0%	0.0%
Rivers	206	35 (21.4%)	41	0	3	41.9%	48.8%
NATIONAL	15,099	9,316 (61.7%)	2,508	1,501	5,307	58.7%	58.3%

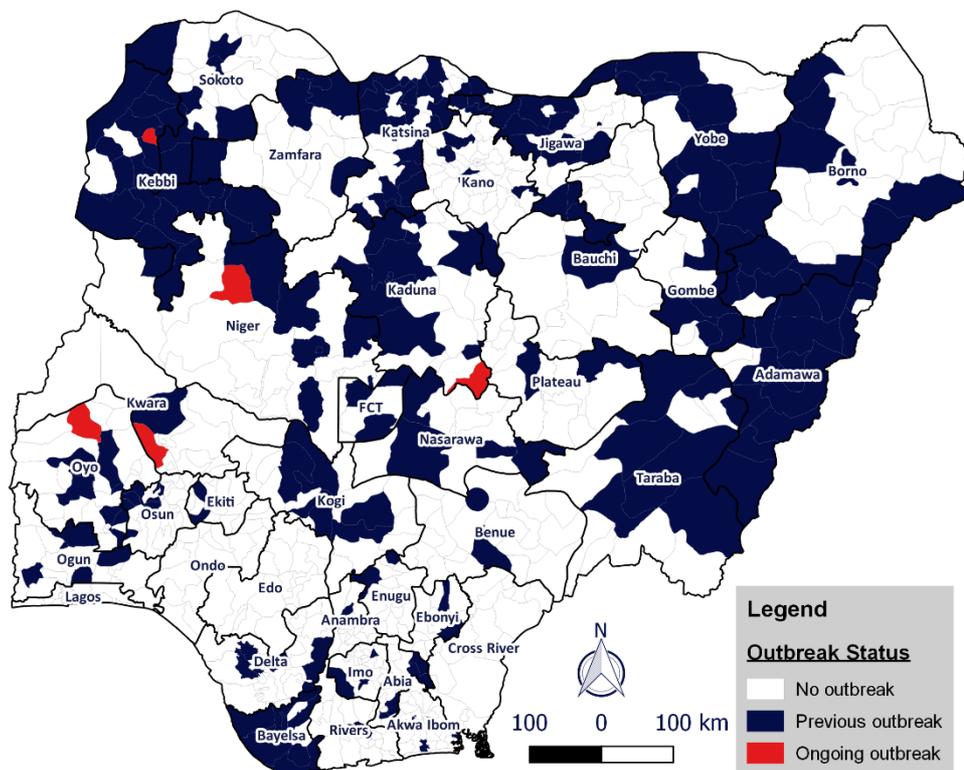


Figure 1: Distribution of LGAs with measles outbreak in Nigeria, Jan – Dec, 2020

Table 2: Summary of key measles surveillance variables, Jan – Dec, 2018 – 2020

Description of Cases (<i>source: case-based data</i>)	2018 (Jan – Dec)	2019 (Jan – Dec)	2020 (Jan – Dec)
# of suspected cases	13,591	37,871	15,099
• Number of LGAs with at least 1 suspected case	723	751	725
• Number of states with at least 1 suspected case	36 + FCT	36 + FCT	36 + FCT
# of suspected cases with blood collected	10,322	13,176	8,357
• Number of lab confirmed (IgM+)	1,357 (13.2%)	3,214 (24.4%)	2,508 (30.0%)
• Number of IgM- (Negative)	6,525 (63.2%)	9,566 (72.6%)	4,973 (59.5%)
• Number of IgM indeterminate	221 (2.1%)	283 (2.1%)	106 (1.3%)
• Number of samples not tested (not done)	98 (1.0%)	113 (0.9%)	7 (0.1%)
• Number of pending samples	2,121 (20.6%)	0	7,63 (9.1%)
# of confirmed cases	5,067	28,440	9,316
• Number of laboratory confirmed (IgM+)	1,357 (26.8%)	3,214 (11.3%)	2,508 (26.9%)
• Number of epidemiologically linked	1,072 (21.2%)	13,872 (48.8%)	1,501 (16.1%)
• Number of clinically compatible	2,638 (52.1%)	11,354 (39.9%)	5,307 (57.0%)
# of LGAs with at least 1 confirmed case	502	655	603
# of states with at least 1 confirmed case	36 + FCT	36 + FCT	36 + FCT
# of deaths among confirmed cases (CFR)	13 (0.3%)	152 (0.5%)	55 (0.6%)
# of measles outbreak (<i>source: lab data</i>)			
• # of LGAs with measles outbreak	109	208	223
• # of states with at least 1 LGA with measles outbreak	22 + FCT	33 + FCT	32 + FCT

Table 3: Trend of measles surveillance performance indicators, Jan – Dec, 2018 – 2020

Surveillance Performance Indicator	Target	2018 (Jan – Dec)	2019 (Jan – Dec)	2020 (Jan – Dec)
Measles Incidence	< 1/million population	24.8	134.7	42.7
Non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	3.2	4.5	2.3
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	82%	55%	61%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	92%	94%	91%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	5.0	6.2	3.8
Proportion of lab confirmed measles cases	< 10%	17%	25%	33%
Proportion of serum specimens arriving measles laboratory in good condition	≥ 90%	88%	98%	84%

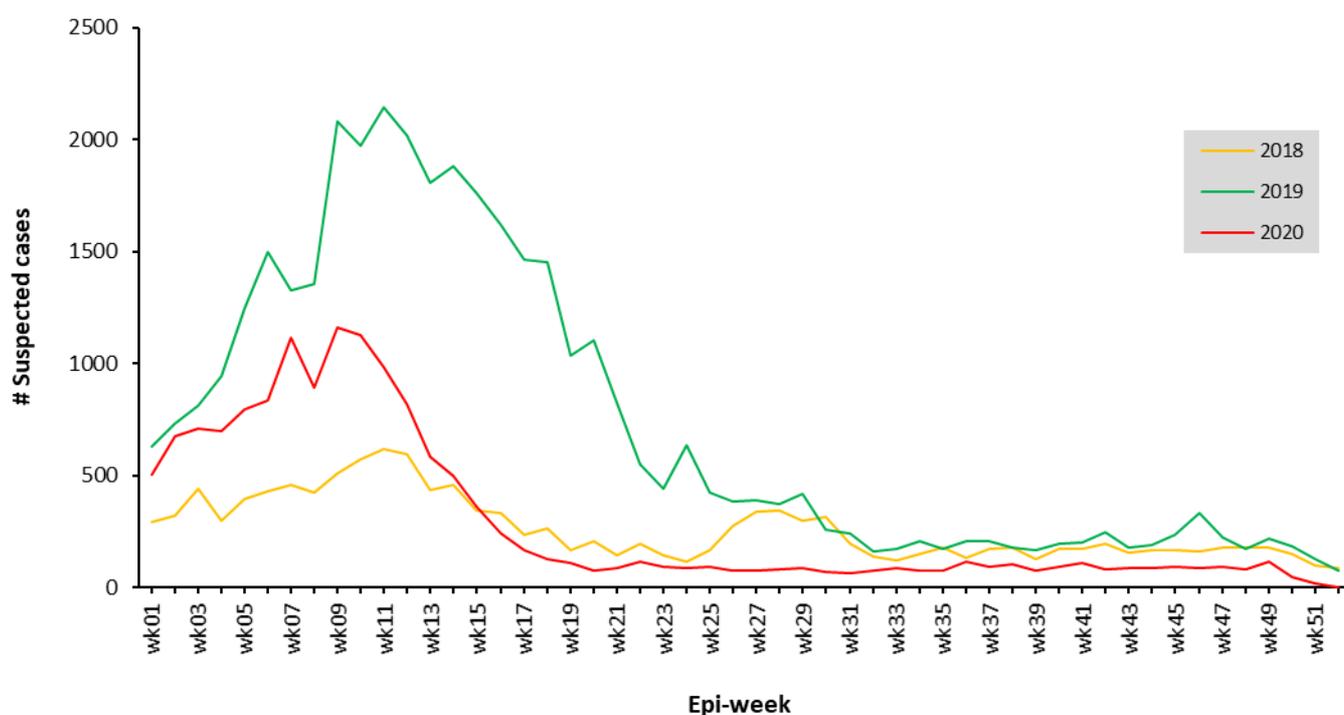


Figure 2: Trend of confirmed measles cases in Nigeria, 2018 – 2020 (epi-week 01 – 52)

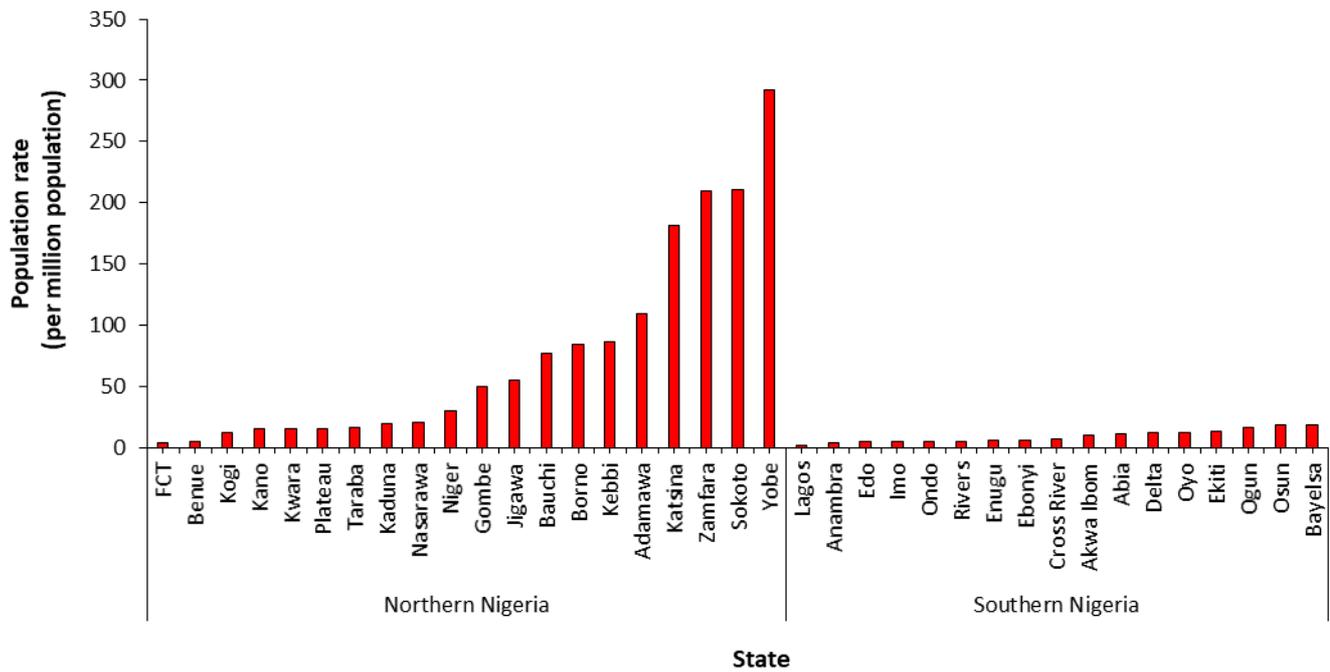


Figure 3: Population rate of confirmed measles cases in Nigeria (North and South), Jan – Dec, 2020

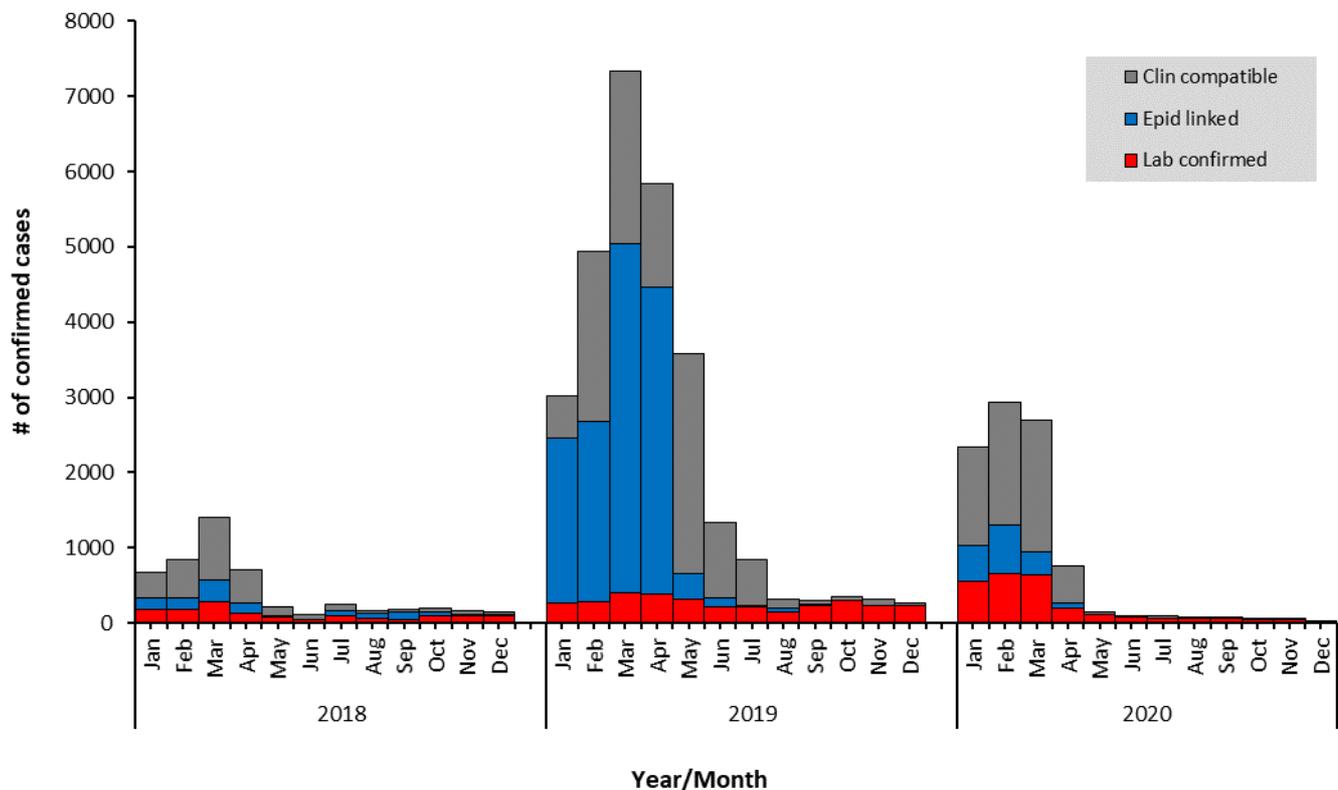


Figure 4: Epi-curve of confirmed measles cases in Nigeria, 2018 – 2020 (Jan – Dec)

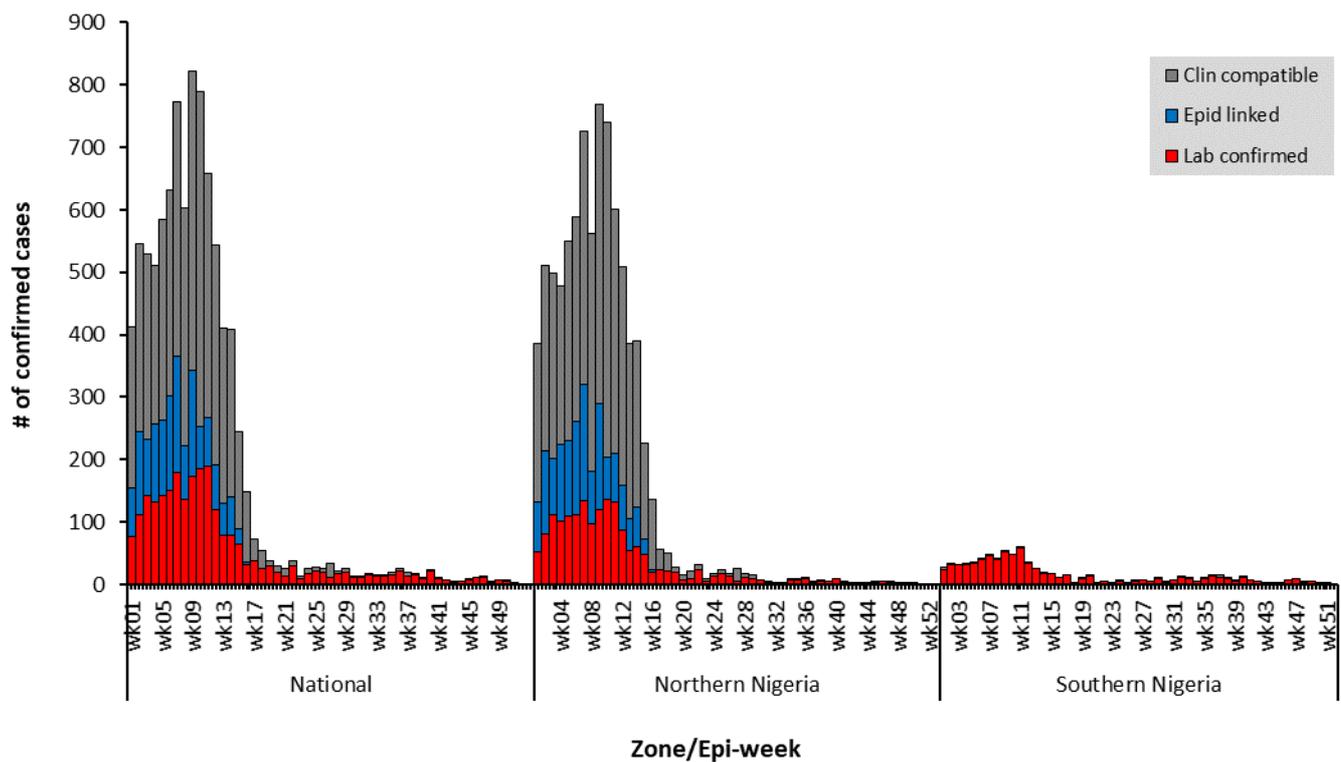


Figure 5: Epi-curve of confirmed measles cases in Nigeria (North and South), Jan – Dec, 2020

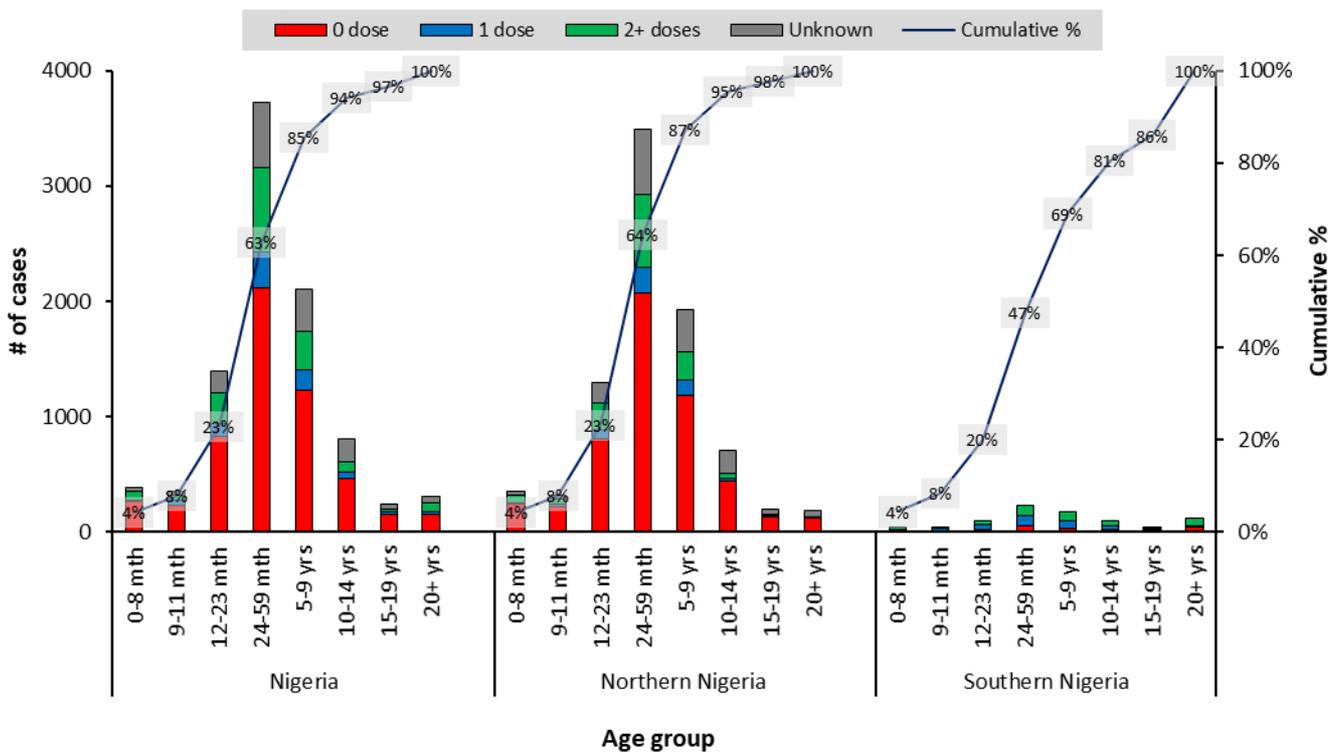


Figure 6: Vaccination status and age distribution of confirmed measles cases in Nigeria (North and South), Jan – Dec, 2020

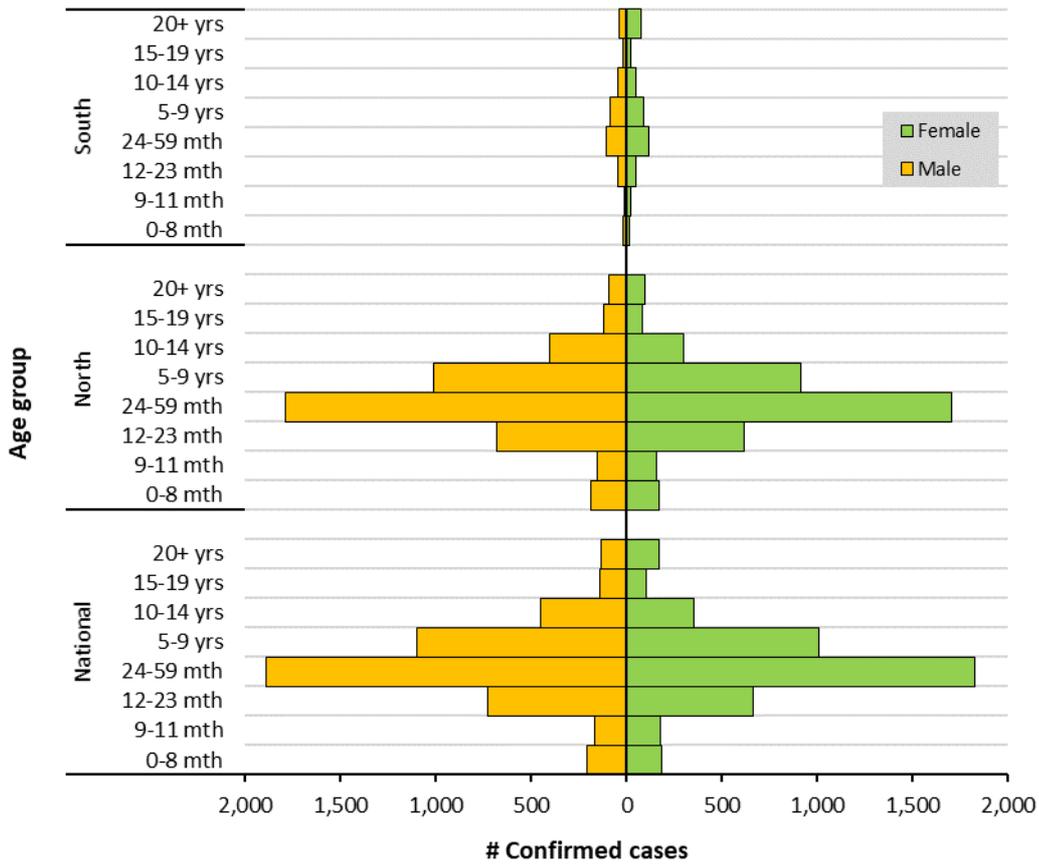


Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (North and South), Jan – Dec, 2020

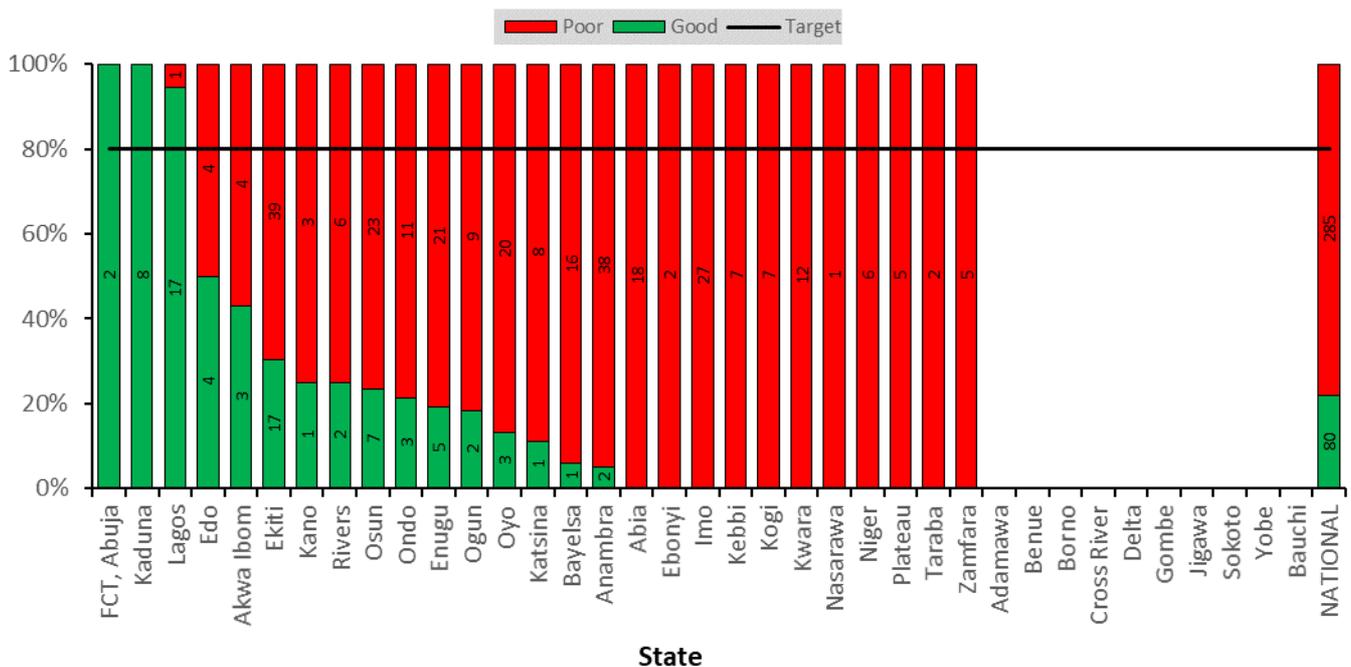


Figure 8: Proportion of measles samples reaching the lab in good time, Dec, 2020

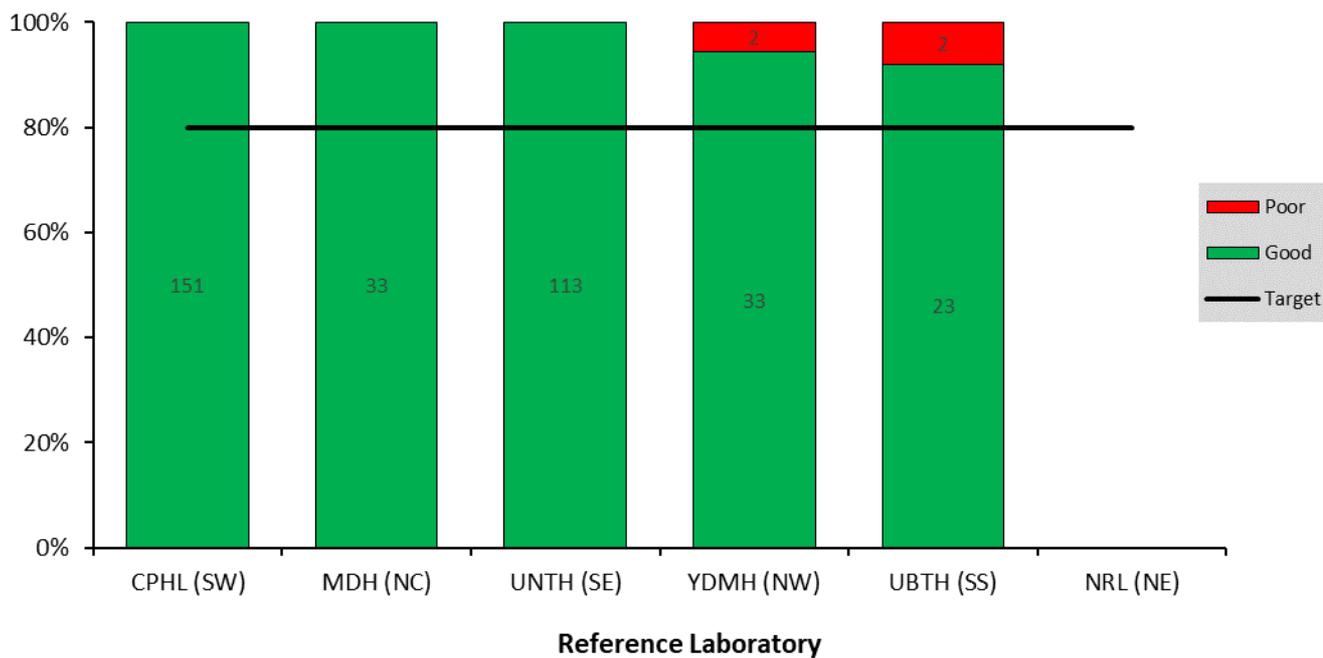


Figure 9: Proportion of measles samples with good turn around time, Dec, 2020

