

MEASLES SITUATION REPORT

Serial Number 09

Data as at September 30th 2020



HIGHLIGHTS

■ In September, 2020:

- Ekiti (52), Osun (38), Lagos (27), Oyo (26) and Bayelsa (25) accounted for 43.5% of the 386 suspected cases reported
- Sixty-seven (17.3%) were confirmed (58 lab confirmed & 9 clinically compatible), 237 (61.4%) were discarded and 82 (21.2%) were pending classification
- Eight new LGAs across 6 states (Edo, Kogi, Kwara, Nasarawa, Oyo & Plateau) reported ≥ 1 confirmed case
- One (0.3%) death was recorded among confirmed cases

■ From Jan – Sep, 2020:

- Katsina (1,754), Sokoto (1,222), Yobe (1,201), Zamfara (1,102), Adamawa (749) and Kebbi (729) accounted for 48.1% of the 14,059 suspected cases reported
- 9,207 (65.5%) were confirmed (2,411 lab confirmed 1,501 epi-linked and 5,295 clinically compatible), 4,336 (30.8%) were discarded and 516 (3.7%) were pending classification
- The agegroup 9 - 59 months accounted for 58.9% of all confirmed cases
- A total of 55 deaths (CFR = 0.6%) were recorded among confirmed cases
- Up to 5,390 (58.5%) of the confirmed cases did not received any dose of measles vaccination (zero dose)

■ Measles outbreaks from Jan – Sep, 2020:

- Five new LGAs across four states recorded an outbreak in this this reporting month
- Of the 220 LGAs with reported outbreak this year, eight LGAs across six states had an ongoing outbreak in September

SITUATION UPDATES

Total (New in this month)

SUSPECTED CASES

14,059 (386)

States With Suspected Cases

36 + FCT

LGAs with Suspected Cases

722 (6)

CONFIRMED CASES

9,207 (67)

States with Confirmed Cases

36 + FCT

LGAs with Confirmed Cases

598 (8)

DEATHS AMONG CONFIRMED CASES

55 (1)

MEASLES OUTBREAKS

214 (2)

States with Measles Outbreaks

32 + FCT (0)

LGAs with Measles Outbreaks

220 (5)



World Health Organization



DeHealth AFRICA

AFENET

NiMet



UNIVERSITY OF MARYLAND



Table 1: Distribution of key measles surveillance variables by states, Jan – Sep, 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	10,366	8,452 (81.5%)	1,692	1,501	5,259	60.2%	61.4%
Adamawa	749	515 (68.8%)	237	227	51	35.9%	49.9%
Bauchi	598	574 (96.0%)	12	0	562	58.9%	0.2%
Benue	83	26 (31.3%)	24	0	2	46.2%	96.2%
Borno	663	556 (83.9%)	92	49	415	56.7%	69.2%
FCT	40	20 (50.0%)	15	0	5	30.0%	95.0%
Gombe	260	184 (70.8%)	36	115	33	51.6%	82.1%
Jigawa	608	358 (58.9%)	181	0	177	53.1%	75.7%
Kaduna	228	180 (78.9%)	63	0	117	53.3%	76.1%
Kano	260	221 (85.0%)	44	0	177	81.4%	96.8%
Katsina	1,754	1,591 (90.7%)	241	694	656	66.2%	28.6%
Kebbi	729	429 (58.8%)	195	0	234	46.2%	91.8%
Kogi	128	58 (45.3%)	52	0	6	41.4%	77.6%
Kwara	103	44 (42.7%)	38	0	6	34.1%	72.7%
Nasarawa	121	52 (43.0%)	24	22	6	50.0%	63.5%
Niger	267	184 (68.9%)	123	29	32	59.2%	97.8%
Plateau	127	68 (53.5%)	21	16	31	20.6%	85.3%
Sokoto	1,222	1,179 (96.5%)	55	0	1124	65.1%	94.3%
Taraba	123	54 (43.9%)	54	0	0	24.1%	3.7%
Yobe	1,201	1,098 (91.4%)	152	349	597	58.8%	58.4%
Zamfara	1,102	1,061 (96.3%)	33	0	1,028	76.1%	73.6%
SOUTH	3,693	755 (20.4%)	719	0	36	43.7%	26.1%
Abia	199	46 (23.1%)	44	0	2	28.3%	21.7%
Akwa Ibom	161	56 (34.8%)	53	0	3	44.6%	60.7%
Anambra	193	23 (11.9%)	21	0	2	34.8%	47.8%
Bayelsa	152	40 (26.3%)	38	0	2	60.0%	67.5%
Cross River	148	30 (20.3%)	28	0	2	30.0%	33.3%
Delta	262	75 (28.6%)	74	0	1	61.3%	68.0%
Ebonyi	83	19 (22.9%)	19	0	0	47.4%	73.7%
Edo	94	16 (17.0%)	14	0	2	50.0%	18.8%
Ekiti	402	40 (10.0%)	35	0	5	17.5%	0.0%
Enugu	249	27 (10.8%)	26	0	1	48.1%	7.4%
Imo	182	27 (14.8%)	27	0	0	37.0%	51.9%
Lagos	259	19 (7.3%)	19	0	0	52.6%	0.0%
Ogun	239	85 (35.6%)	79	0	6	50.6%	0.0%
Ondo	136	23 (16.9%)	22	0	1	30.4%	0.0%
Osun	410	90 (22.0%)	88	0	2	45.6%	0.0%
Oyo	335	96 (28.7%)	92	0	4	40.6%	0.0%
Rivers	189	43 (22.8%)	40	0	3	41.9%	48.8%
NATIONAL	14,059	9,207 (65.5%)	2,411	1,501	5,295	58.9%	58.5%

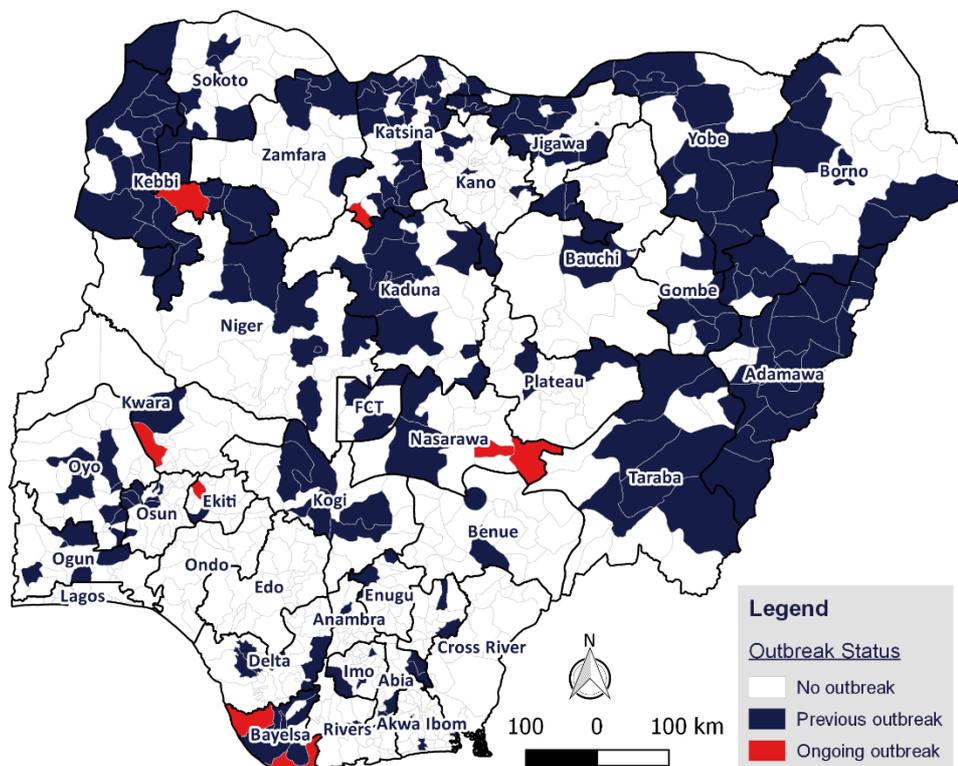


Figure 1: Distribution of LGAs with measles outbreak in Nigeria, Jan – Sep 2020

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

Description of Cases (source: case-based data)	2018 (Jan – Sep)	2019 (Jan – Sep)	2020 (Jan – Sep)
# of suspected cases	11,540	35,321	14,059
• Number of LGAs with at least 1 suspected case	710	742	722
• Number of states with at least 1 suspected case	36 + FCT	36 + FCT	36 + FCT
# of suspected cases with blood collected	8,385	10,718	7,334
• Number of lab confirmed (IgM+)	1,089 (13.0%)	2,463 (23.0%)	2,411 (32.9%)
• Number of IgM- (Negative)	4,982 (59.4%)	7,909 (73.8%)	4,336 (59.1%)
• Number of IgM indeterminate	149 (1.8%)	249 (2.3%)	94 (1.3%)
• Number of samples not tested (not done)	44 (0.5%)	97 (0.9%)	7 (0.1%)
• Number of pending samples	2,121 (25.3%)	0	486 (6.6%)
# of confirmed cases	4,557	27,508	9,207
• Number of laboratory confirmed (IgM+)	1,089 (23.9%)	2,463 (9.0%)	2,411 (26.2%)
• Number of epidemiologically linked	959 (21.0%)	13,867 (50.4%)	1,501 (16.3%)
• Number of clinically compatible	2,509 (55.1%)	11,178 (40.6%)	5,295 (57.5%)
# of LGAs with at least 1 confirmed case	446	621	598
# of states with at least 1 confirmed case	36 + FCT	36 + FCT	36 + FCT
# of deaths among confirmed cases (CFR)	9 (0.2%)	151 (0.6%)	55 (0.6%)
# of measles outbreak (source: lab data)			
• # of LGAs with measles outbreak	97	179	228
• # of states with at least 1 LGA with measles outbreak	19	29 + FCT	32 + FCT

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

Surveillance Performance Indicator	Target	2018 (Jan – Sep)	2019 (Jan – Sep)	2020 (Jan – Sep)
Measles Incidence	< 1/million population	22.3	130.3	42.2
Non-measles febrile rash illness (NMFRI) rate	≥ 2/100,000 population	2.4	3.7	2.0
Proportion of reported measles cases from whom blood specimen was collected	≥ 80%	72.7%	30.3%	52.2%
Proportion of LGAs that reported at least 1 measles case with blood specimen collected	≥ 80%	89.9%	92.5%	89.3%
Annualized rate of investigation (with blood specimens) of suspected measles cases	> 1/100,000 population	5.5	6.8	4.5
Proportion of lab confirmed measles cases	< 10%	17.5%	23.2%	35.2%
Proportion of serum specimens arriving measles laboratory in good condition	≥ 90%	86.0%	98.4%	84.8%

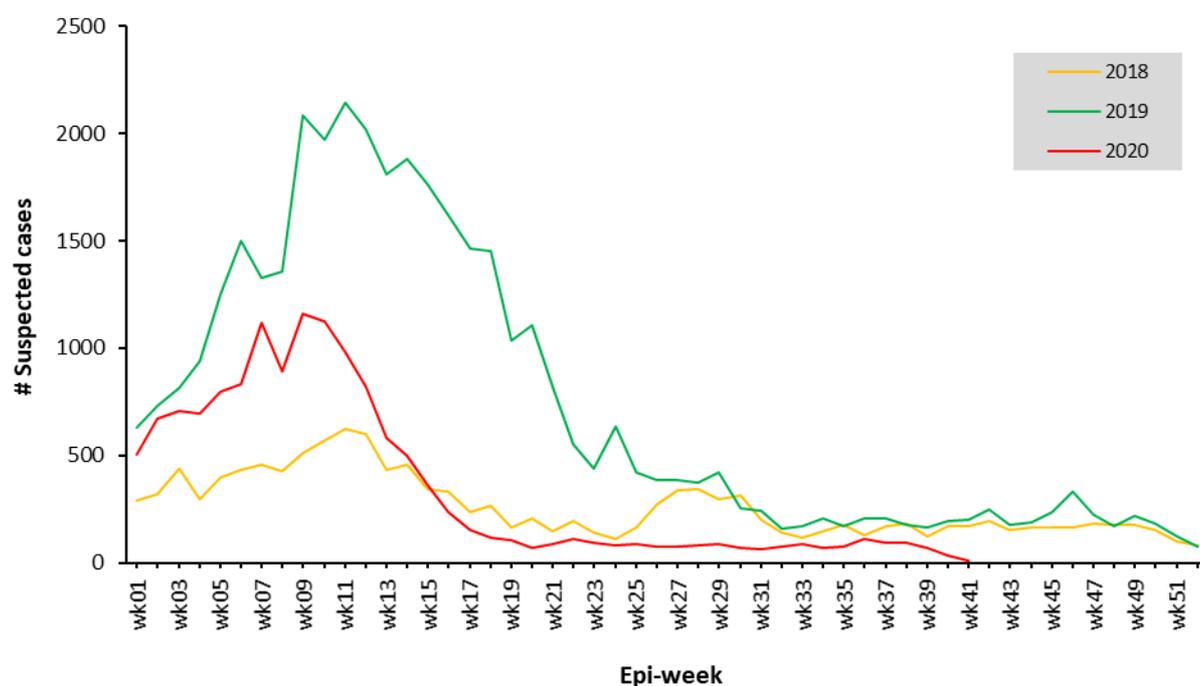


Figure 2: Trend of confirmed measles cases in Nigeria, 2018 – 2020 (epi-week 01 – 40)

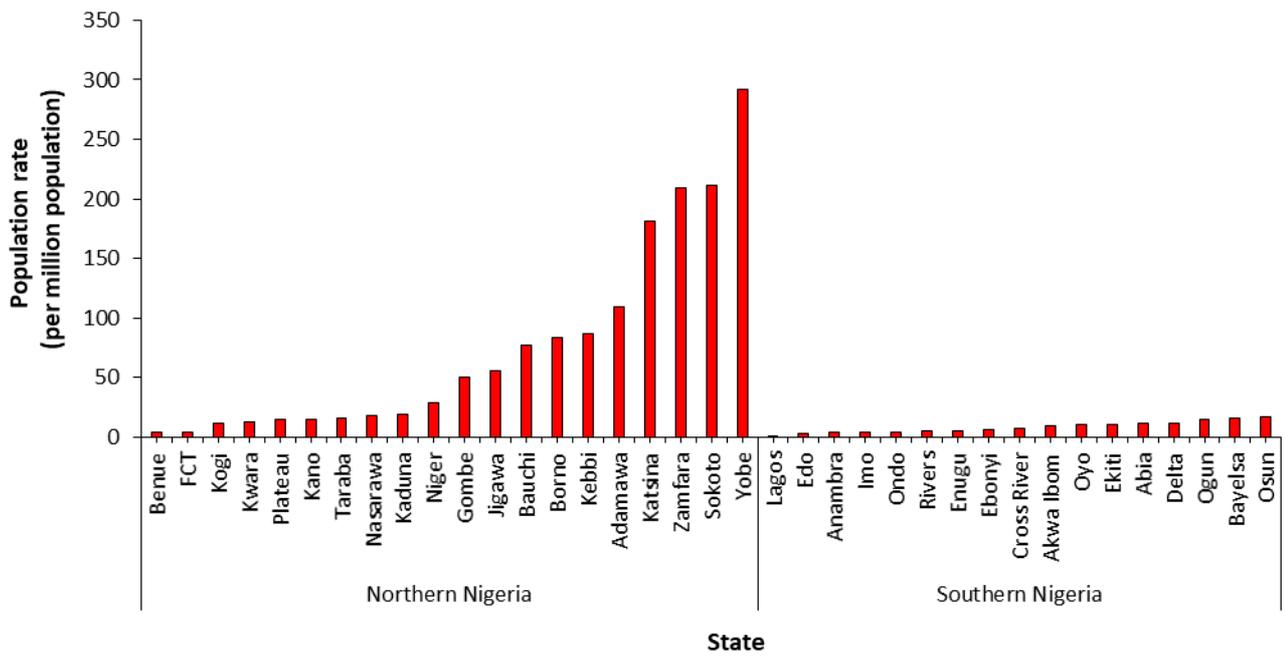


Figure 3: Population rate of confirmed measles cases in Nigeria (North and South), Jan – Sep, 2020

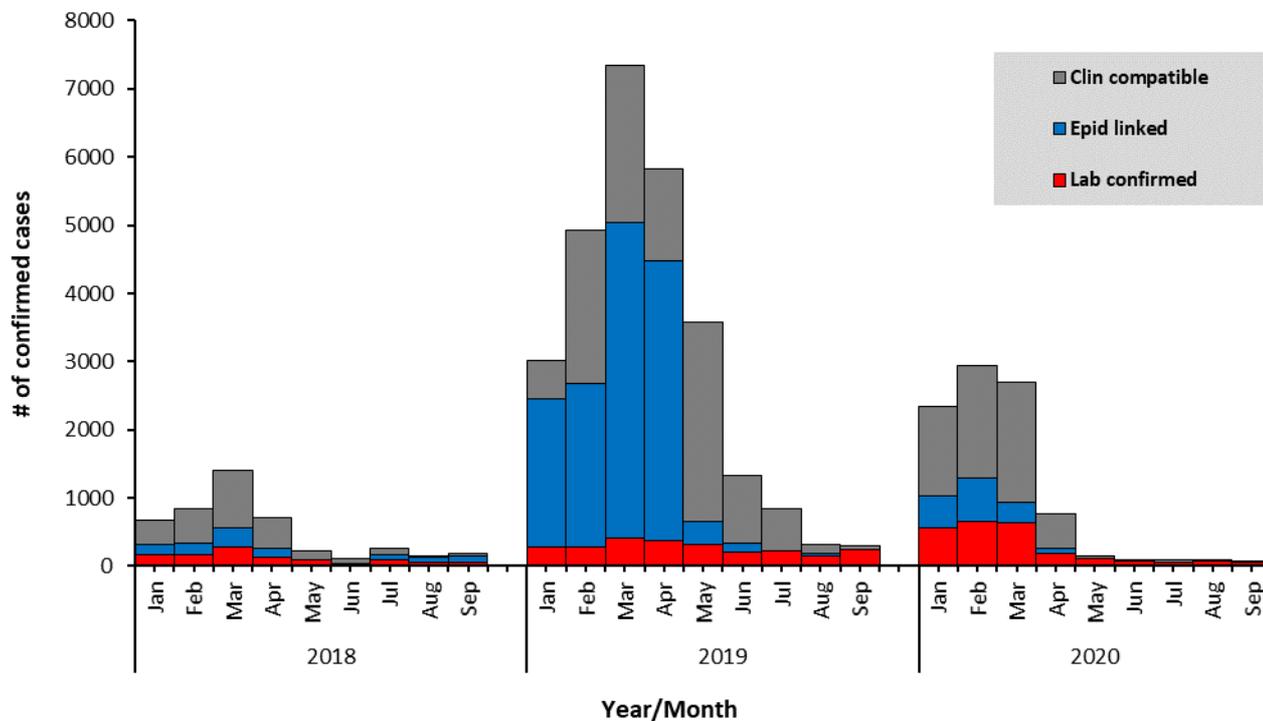


Figure 4: Epi-curve of confirmed measles cases in Nigeria, 2018 – 2020 (Jan – Sep)

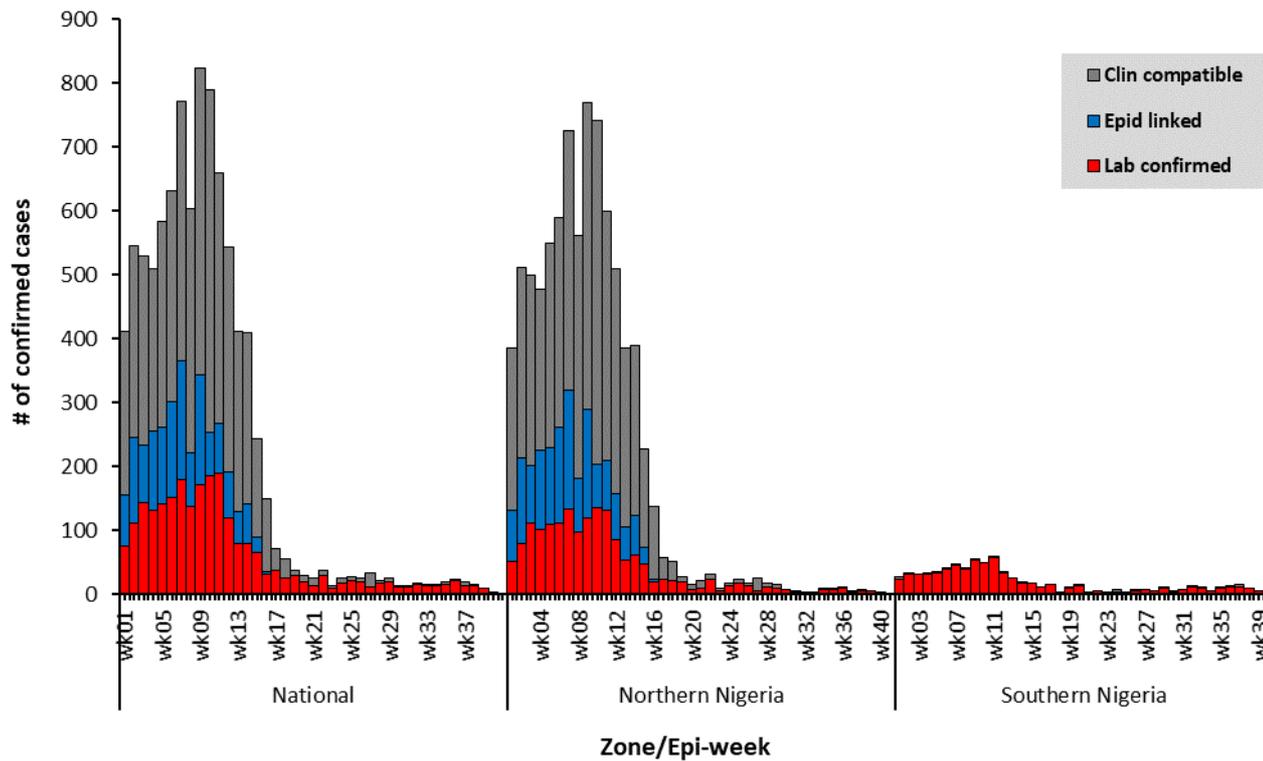


Figure 5: Epi-curve of confirmed measles cases in Nigeria (North and South), Jan – Sep, 2020

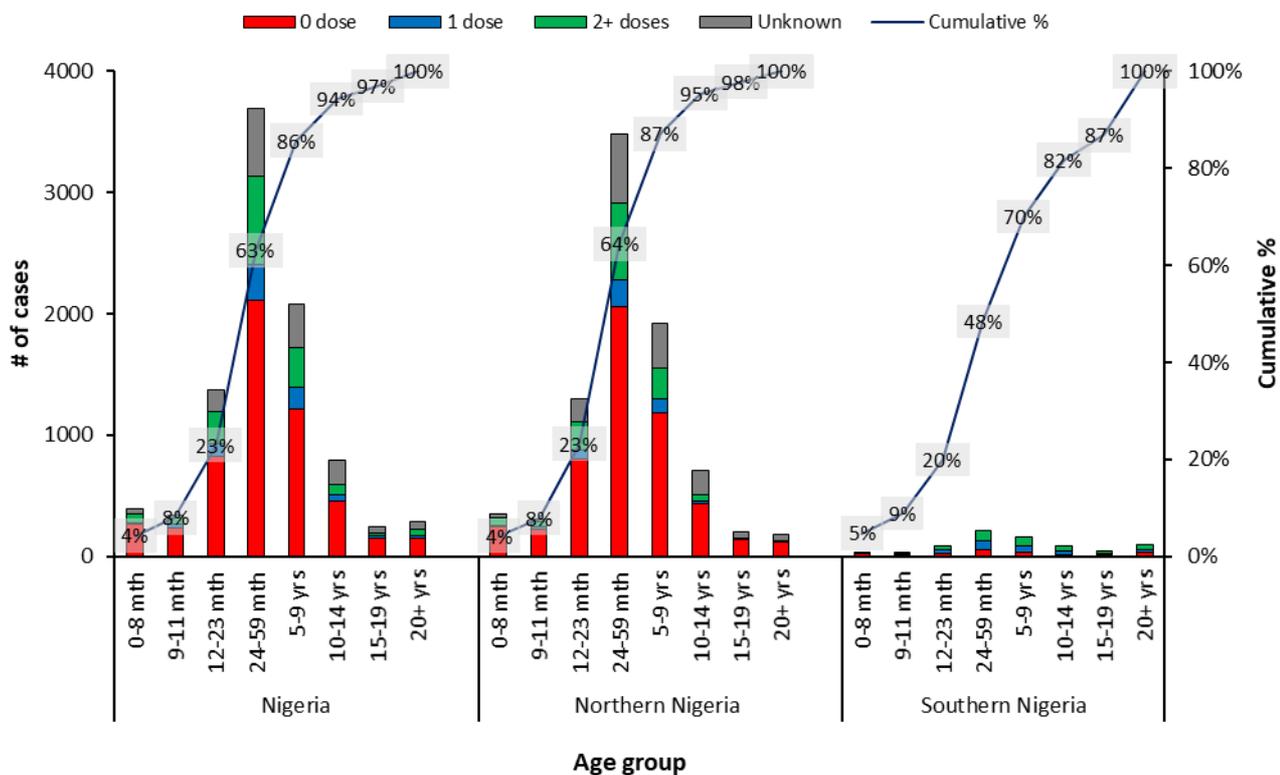


Figure 6: Vaccination status and age distribution of confirmed measles cases in Nigeria (North and South), Jan – Sep, 2020

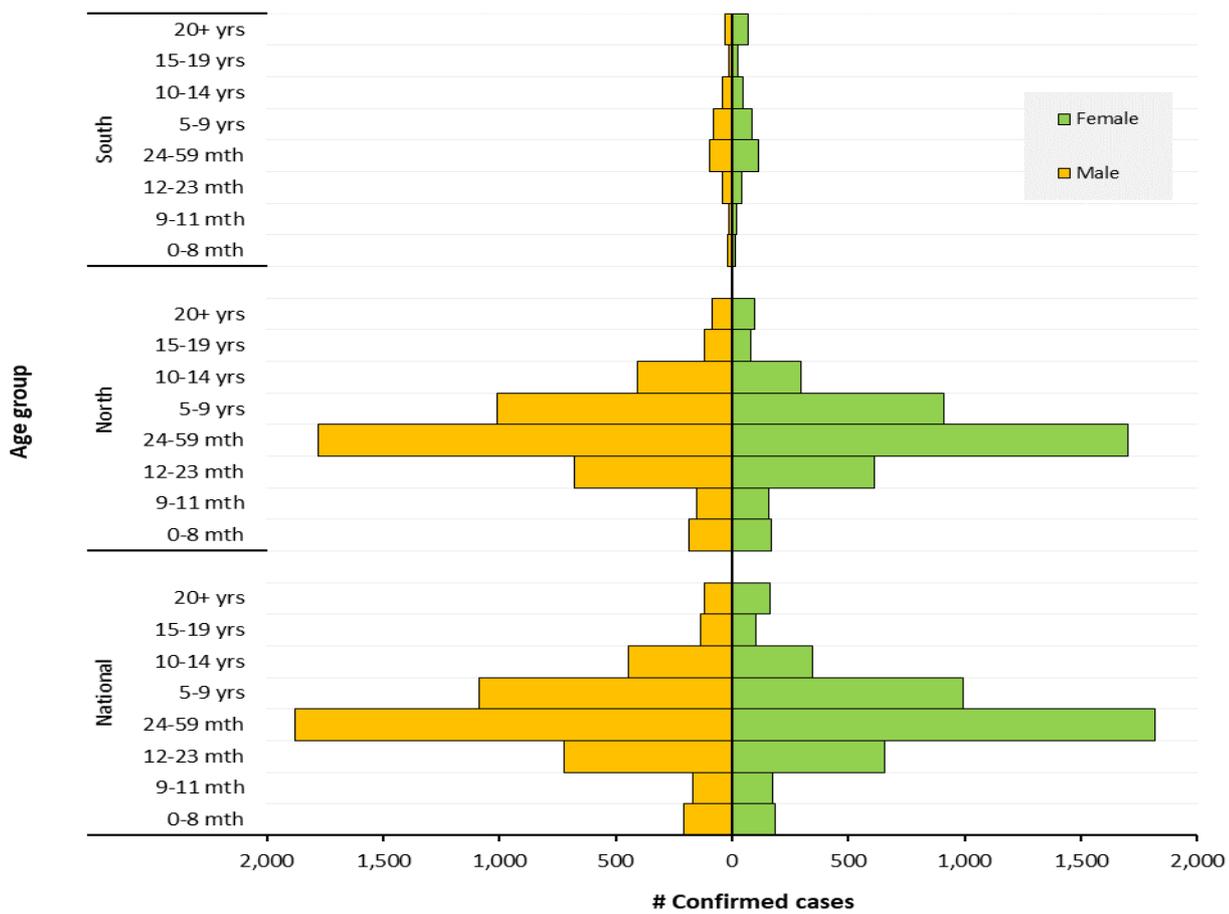


Figure 7: Age-sex distribution of confirmed measles cases in Nigeria (North and South), Jan – Sep, 2020

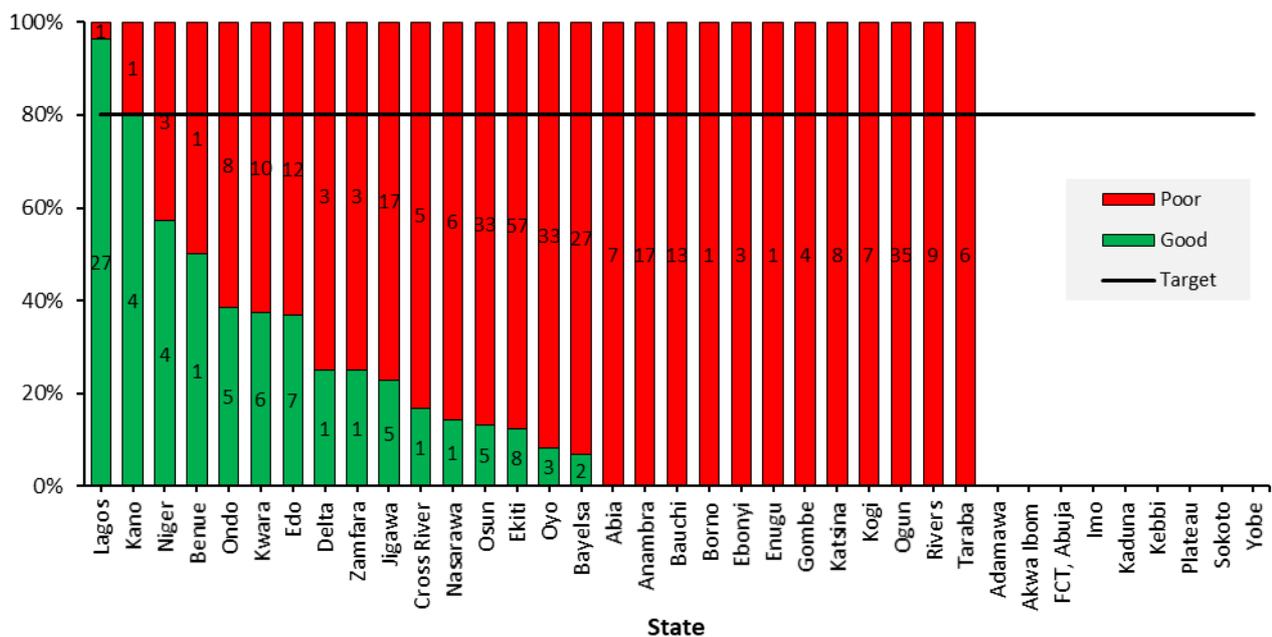


Figure 8: Proportion of measles samples reaching the lab in good time, September 2020

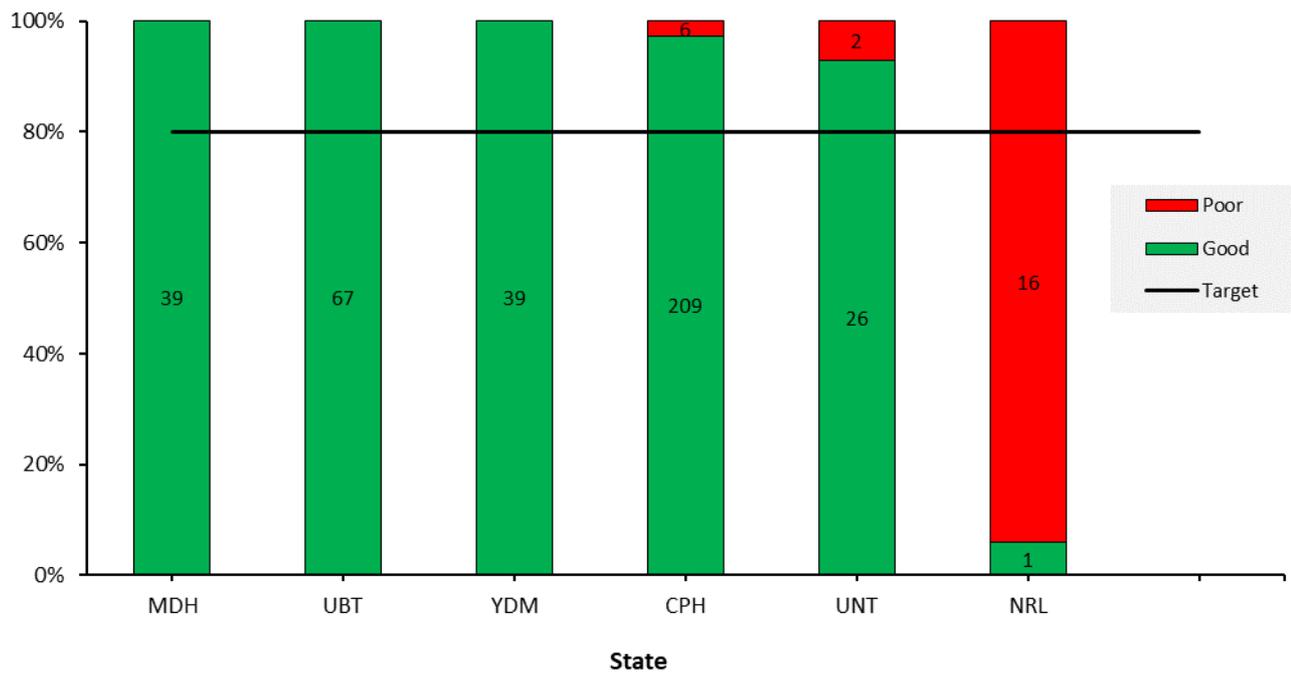


Figure 9: Proportion of measles samples with good turn around time, October 2020