

YELLOW FEVER SITUATION REPORT



Serial Number: 006	August 2022 Monthly Sitrep
Epi Week:	31- 35 as at 31 st August 2022
Reporting Month:	August 2022

REPORTING MONTH: AUGUST 2022

HIGHLIGHTS

REPORTING PERIOD: 1ST – 31ST AUGUST 2022

- The Nigeria Centre for Disease Control & Preventions (NCDC) continues to monitor reports of yellow fever cases in Nigeria.
- A total of 95 suspected cases were reported from 69 Local Government Areas (LGAs) across 25 states including the FCT: Abia (4), Anambra (2), Bauchi (9), Bayelsa (2), Borno (2), Ebonyi (3), Ekiti (6), FCT (1), Imo (11), Jigawa (6), Kaduna (1), Kano (4), Katsina (3), Kebbi (1), Kogi (2), Lagos (2), Nasarawa (2), Ogun (9), Ondo (4), Osun (1), Oyo (6), Plateau (5), Taraba (6), Yobe (2), Zamfara (1).
- Two (2) presumptive positive cases were recorded from the National Reference Laboratory (NRL-2). These cases were recorded from Anambra (1) and Taraba (1) states.
- One (1) Equivocal sample was recorded from the Central Public Health Laboratory Lagos. The sample was recorded from Ogun state.
- Two (2) inconclusive cases were recorded from Central Public Health Laboratory (1), and University Nigeria Teaching Hospital (UNTH) Enugu (1).
- The cases were reported from **Imo** (1), Ogun (1) states
- One (1) confirmed cases from Institut Pasteur (IP) Dakar. The case was reported from Osun (1)
- No death was recorded among suspected and confirmed cases in the reporting month.



95
SUSPECTED
CASES

26
STATES WITH
SUSPECTED
CASES

1
CONFIRMED
CASE

1
STATE WITH
CONFIRMED
CASE

0
DEATHS IN
CONFIRMED
CASES

0
STATES WITH
DEATHS IN
CONFIRMED
CASES

CUMULATIVE FOR 1st JANUARY 2022 – 31st AUGUST 2022

- Cumulatively from 1st January 2022 – 31st August 2022, a total of 1,453 suspected cases have been reported from 446 LGAs in 36 states including the FCT.
- The cases were reported from the following states: Abia (42), Adamawa (21), Akwa Ibom (9), Anambra (87), Bauchi (57), Bayelsa (19), Benue (25), Borno (129), Cross River (39), Delta (9), Ebonyi (30), Edo (20), Ekiti (39), Enugu (67), FCT (7), Gombe (15), Imo (63), Jigawa (90), Kaduna (11), Kano (14), Katsina (94), Kebbi (33), Kogi (19), Kwara (22), Lagos (6), Nasarawa (26), Niger (26), Ogun (39), Ondo (68), Osun (22), Oyo (85), Plateau (64), Rivers (28), Sokoto (21), Taraba (51), Yobe (39) and Zamfara (17).
- Total of Eleven (11) presumptive positive and six (7) inconclusive results were recorded from the Nigeria Laboratory network.
- These presumptive positives were from UBTH Benin (3), MDH Abuja (1), CPHL Lagos (3), YDMH (2) and NRL Abuja (2). These were reported from **Edo -1** (Egor) **Cross River -1** (Akabuyo). **Niger -1** (Suleja). **Rivers-1** (Port-Harcourt), **Taraba -1**(Karim Lamido), **Anambra -1** (Ogabaru), **Sokoto-2** (Dange-shuni, Tambuwal), **Osun-1** (Atakunmosa East), **Ondo-1** (Akure South), **Ekiti-1** (Irepodun/Ifelodun). The inconclusive cases were reported from **Oyo -1** (Olorunsogo) and **Anambra-2** (Idemili South (1), Ayamelum (1)) and **Imo -2** (Nwangele (1), Ahiazu Mbaize (1)), **Enugu -1** (Agwu (1) and **Osun** (Irewole (1)). These samples have been shipped to IP Dakar for confirmation.
- Six (6) confirmed cases have been reported from IP Dakar from: **Anambra-1** [Idemili South (1)], **Imo -1** [Nwangele (1)], **Ondo-1** [Akure South (1), **Osun-2** [Atakunmosa East (1), Irewole (1)], **Sokoto-1** [Dange-shuni (1)]
- Fifteen deaths recorded from suspected cases in Abia (1), Bayelsa (1), Benue (1), Imo (1), Kaduna (2), Katsina (2), Kebbi (1), Taraba (2), Yobe (1) and Zamfara (3) States **[CFR = 1.0%]**.
- Male to female ratio for suspected cases was **1:1.2** with males 786(54.1%) and females 667(45.9%)
- Seventy- four percent (74%) of cases were predominantly aged 30 years and below
- One hundred and sixty-four (11.3%) of 1453 suspected cases received at least one dose of the yellow fever vaccine
- The NCDC is coordinating response activities through the National Multi-agency Yellow Fever Technical Working Group (YF TWG)

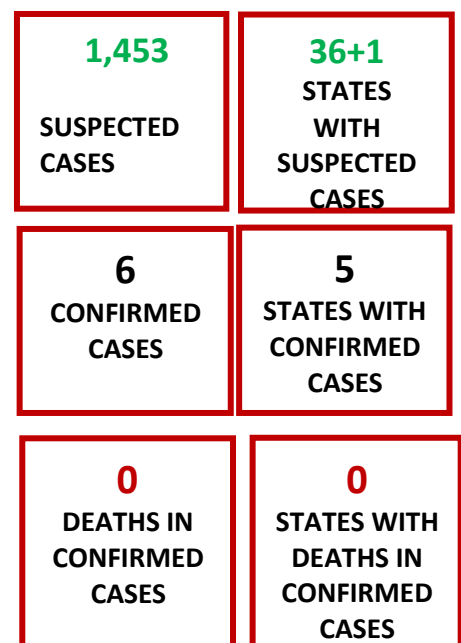
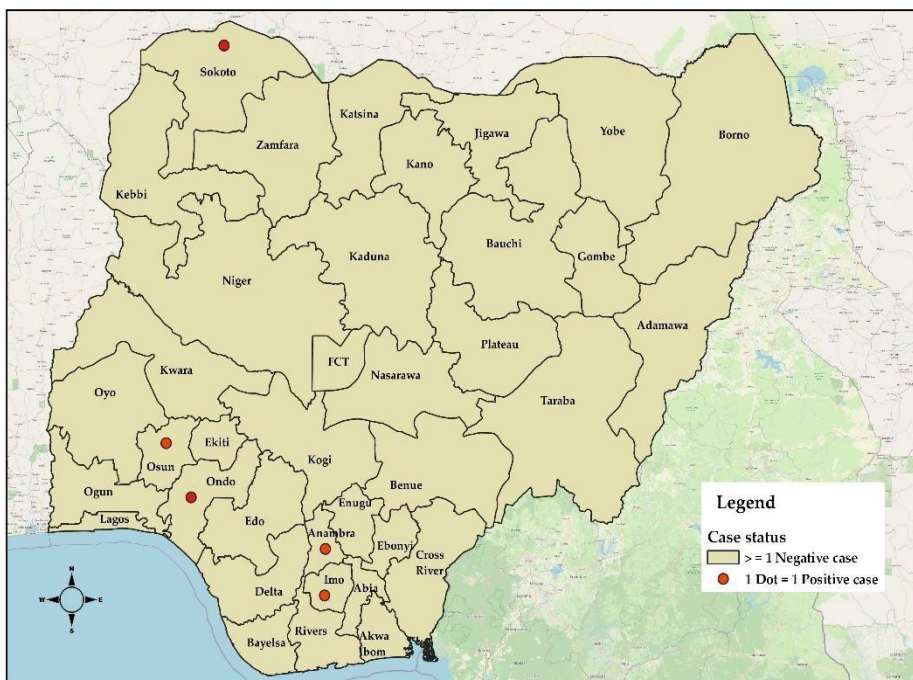


Table 1: Summary of yellow fever cases in Nigeria from January - August 2022

State	# Suspected Cases	# LGAs with suspected cases	# LGAs with confirmed cases	Laboratory Results					Deaths	
				Samples positive (IgM) & Inconclusive in NG	LGAs with positive (IgM) & Inconclusive in NG	Confirmed Cases (PCR)	Confirmed Cases (IP Dakar)	Total Confirmed Cases	# Deaths among Confirmed Cases [CFR] (%)	# Deaths among All Cases [CFR] (%)
Abia	42	14	-	-	-	-	-	-	-	1
Adamawa	21	9	-	-	-	-	-	-	-	-
Akwa Ibom	9	6	-	-	-	-	-	-	-	-
Anambra	87	20	1	3	3	-	1	1	-	-
Bauchi	57	13	-	-	-	-	-	-	-	-
Bayelsa	19	7	-	-	-	-	-	-	-	1
Benue	25	13	-	-	-	-	-	-	-	1
Borno	129	20	-	-	-	-	-	-	-	-
Cross River	39	12	-	1	1	-	-	-	-	-
Delta	9	5	-	-	-	-	-	-	-	-
Ebonyi	30	12	-	-	-	-	-	-	-	-
Edo	20	10	-	1	1	-	-	-	-	-
Ekiti	39	14	-	1	1	-	-	-	-	-
Enugu	67	14	-	1	1	-	-	-	-	-
FCT Abuja	7	3	-	-	-	-	-	-	-	-
Gombe	15	9	-	-	-	-	-	-	-	-
Imo	63	23	1	2	2	-	1	1	-	1
Jigawa	90	11	-	-	-	-	-	-	-	-
Kaduna	11	6	-	-	-	-	-	-	-	2
Kano	14	7	-	-	-	-	-	-	-	-
Katsina	94	28	-	-	-	-	-	-	-	2
Kebbi	33	9	-	-	-	-	-	-	-	1
Kogi	19	10	-	-	-	-	-	-	-	-
Kwara	22	9	-	-	-	-	-	-	-	-
Lagos	6	5	-	-	-	-	-	-	-	-
Nasarawa	26	9	-	-	-	-	-	-	-	-
Niger	26	9	-	1	1	-	-	-	-	-
Ogun	39	12	-	1	1	-	-	-	-	-
Ondo	68	13	1	1	1	-	1	1	-	-
Osun	22	12	2	2	2	-	1	1	-	-
Oyo	85	28	-	1	1	-	-	-	-	-
Plateau	64	14	-	-	-	-	-	-	-	-
Rivers	28	17	-	1	1	-	-	-	-	-
Sokoto	21	9	1	2	2	-	1	1	-	-
Taraba	51	14	-	1	1	-	1	-	-	2
Yobe	39	12	-	-	-	-	-	-	-	1
Zamfara	17	8	-	-	-	-	-	-	-	3
TOTAL	1,453	446 (58%)	6(0.8)	19(1.3%)	19 (2.5%)	1 (0.07%)	5 (0.3%)	6 (0.4%)	0 (0%)	15 (1.0%)

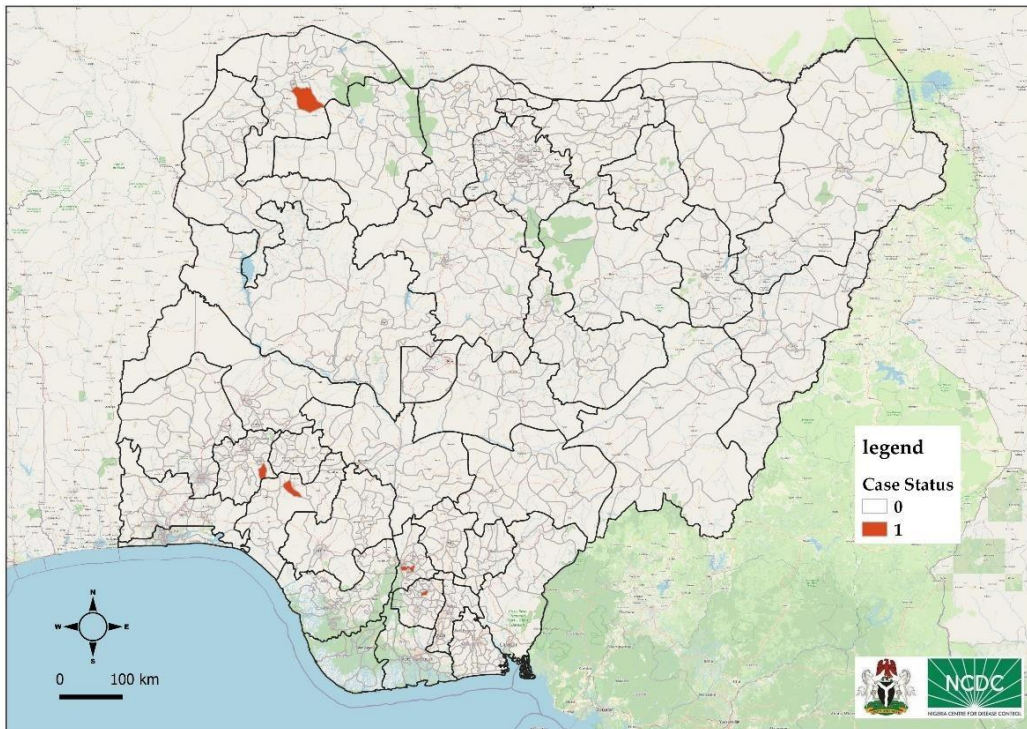


Figure 1: Map of Nigeria showing yellow fever outbreak attack rates in affected LGAs from January – August 2022

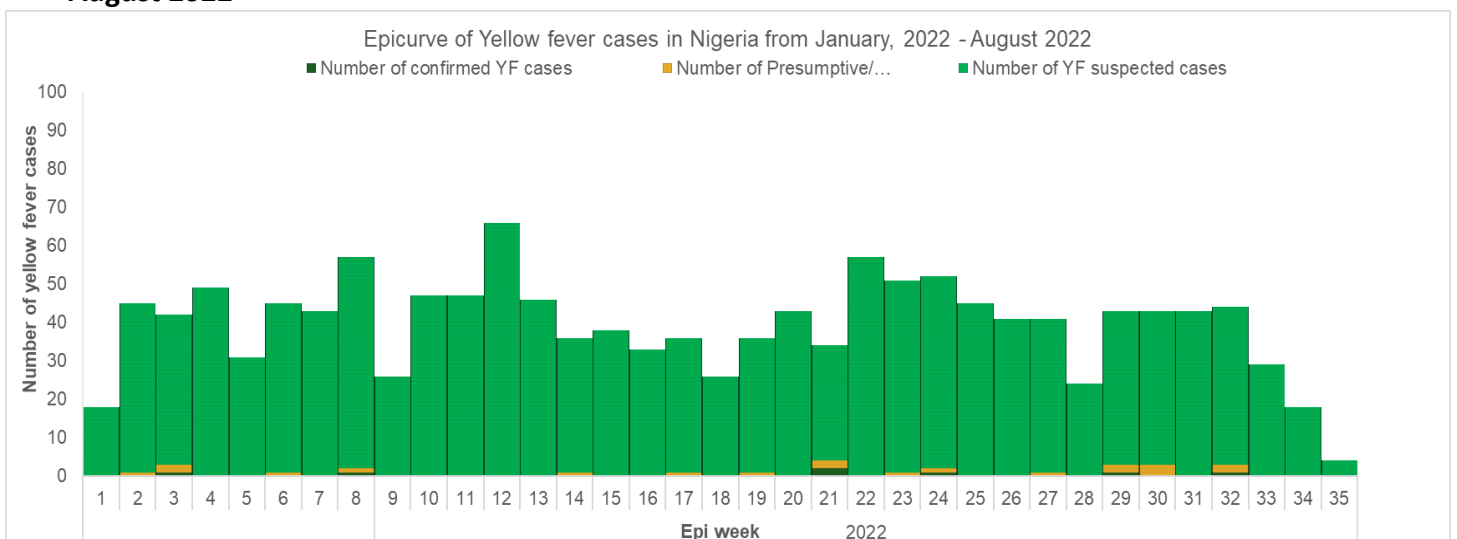


Figure 2: Epicurve of yellow fever cases in Nigeria from January – August 2022

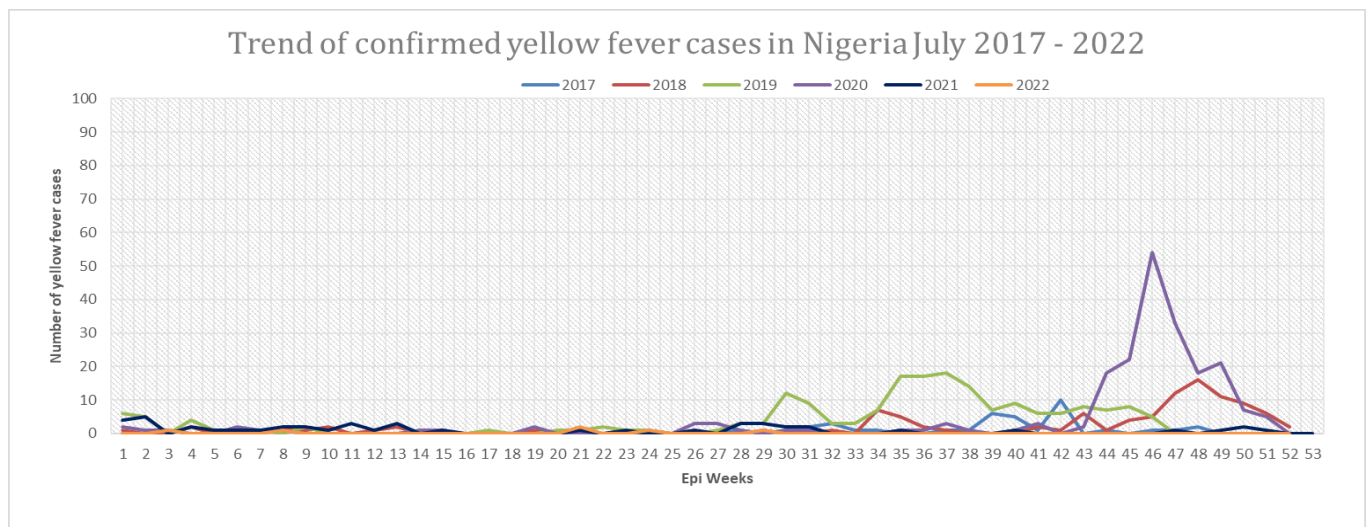


Figure 3: Trend of confirmed yellow fever cases in Nigeria 2017 – 2022

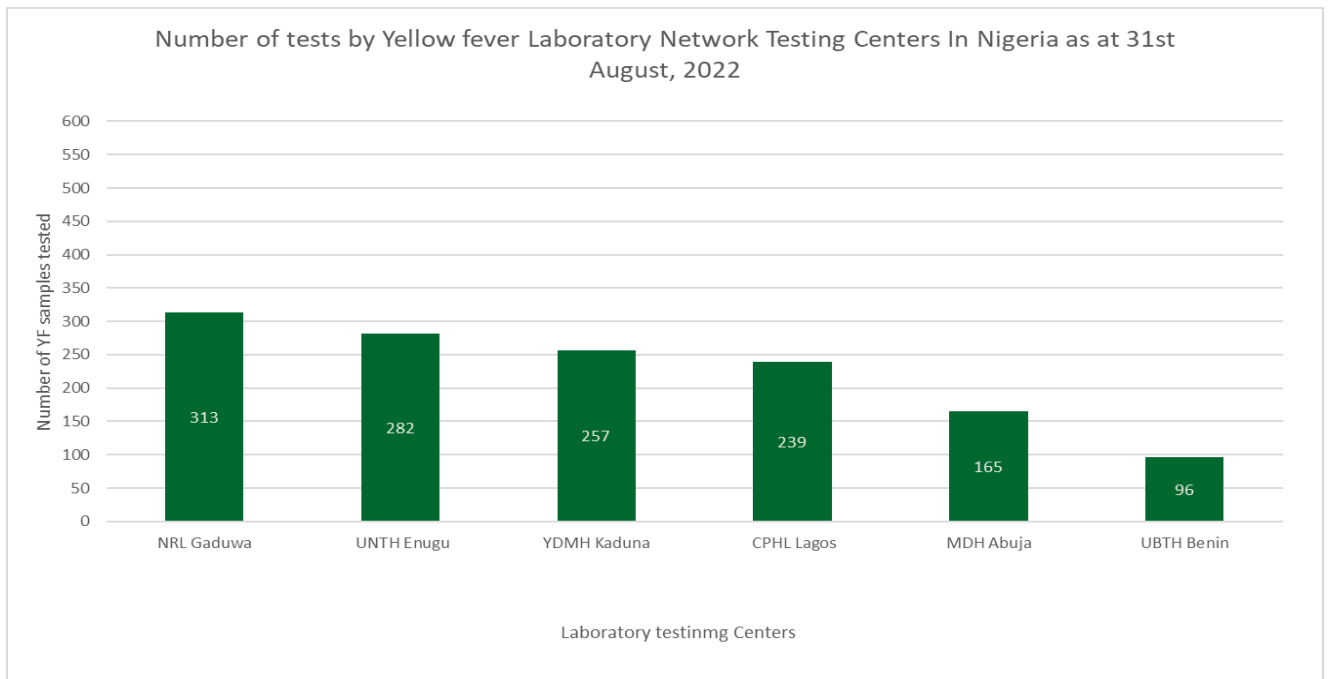


Figure 4: Distribution of yellow fever tested samples by Laboratory network testing centres in Nigeria from January – August 2022

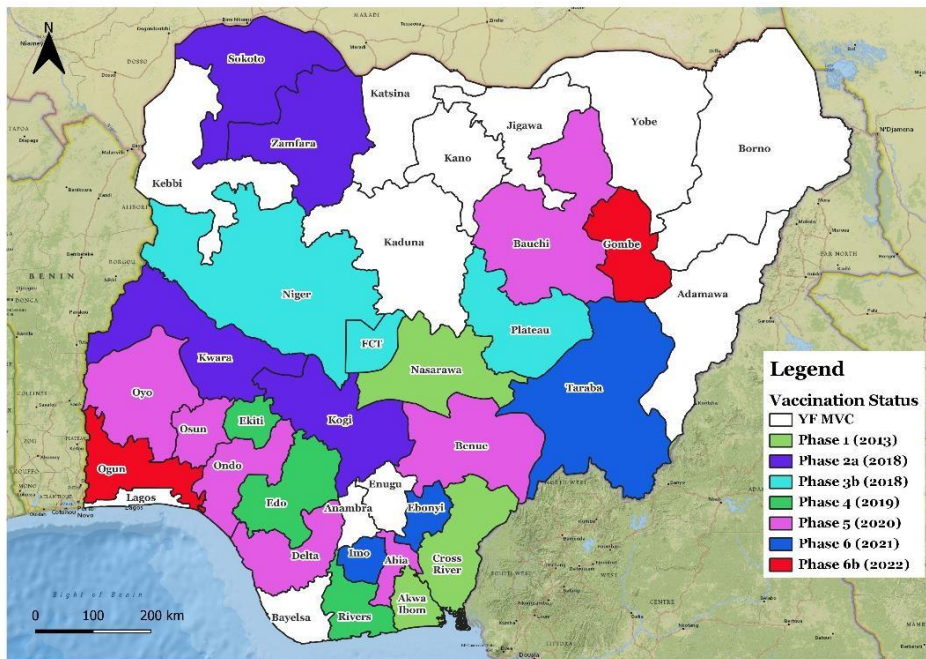


Figure 5: Map of Nigeria showing states and year of implementation of yellow fever mass vaccination campaigns from 2013 – 2022

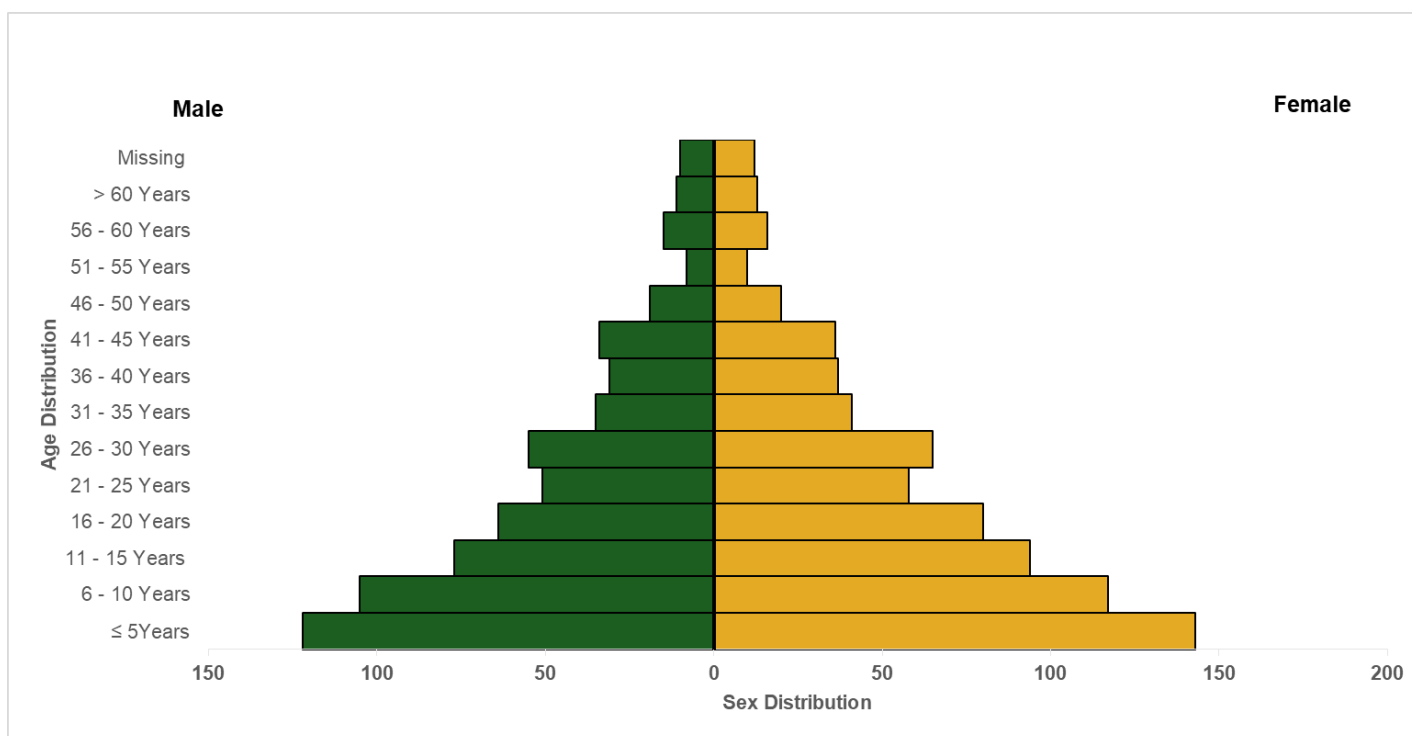


Figure 6: Age and sex distribution of yellow fever cases in Nigeria from January – August 2022.

SUMMARY OF TWG ACTIVITIES

Coordination

- Yellow fever response activities are coordinated by the NCDC through a multi-agency yellow fever Technical Working Group (YF TWG)
- Finalised the yellow fever training manual for training of health workers on yellow fever detection, case management, documentation, and reporting
- Off-site support to states with recent confirmed cases season from (Anambra, Imo, Ondo, Osun and Sokoto)
- Developed yellow fever Readiness Intelligence Checklist

Epidemiology/Surveillance/Data Management

- Daily monitoring and analysis of surveillance data across the country to guide response activities
- Engagement with State Epidemiologists for weekly updates
- Update cases in the SORMAS platform

Laboratory

- Coordination of yellow fever sample management and transportation from all states to the regional reference laboratories
- Regular testing of yellow fever samples in all the testing laboratories
- Ensured availability of reagents and consumables in all testing laboratories
- Ongoing validation of Mologic rapid test kit for yellow fever
- First quarter (January – March 2022) data harmonization meeting in Lagos

Case Management

- Ongoing plan for capacity building of 32 tertiary health care workers in 4 states in Southeast on IDSR and yellow fever case identification, management, and reporting

Vaccination - Led by NPHCDA

- Supported implementation of Integrated Supplementary immunization activities including yellow fever vaccination in Gombe and Ogun states June – July 2022
- Supporting the pre-implementation planning for 2022 yellow fever PMVCs in Bayelsa, Enugu, Kano, States and some LGAs in Borno

Risk Communication

- On-going distribution of yellow fever Information Education and Communication (IEC) materials to all the states
- Ongoing daily media monitoring across social and traditional media platforms

NEXT STEPS

Coordination

- Finalise, printing and distribute yellow fever technical documents, field investigation guide and training materials
- Plan to continue with the capacity building of healthcare workers from selected tertiary hospitals from other geopolitical zones
- Printing and distribution of additional copies of yellow fever preparedness and response guidelines
- Mapping of yellow fever hotspots
- Development of National yellow fever workplan

Epidemiology/Surveillance/Data Management

- Continue monitoring and analysis of YF surveillance data across all states and FCT to guide response
- Deployment of Entomology team in Kogi, Nasarawa, Rivers and Taraba states to follow up on the confirmed cases

Case Management

- Continue provision of offsite support to the affected states on case management
- Strengthen the case management capacity at the states to support detection, reporting and response during an outbreak

Laboratory

- Supportive supervision to all the yellow fever testing laboratories
- Continue coordination of prompt transportation of samples and availability of reagents in the testing laboratories
- On-going plan to reactivate the YF testing Laboratory for the Northeast
- Follow up with IP Dakar for timely release of results
- Establishment of yellow fever biorepository bank to store yellow fever positive samples

Vaccination - Led by NPHCDA

- Support pre-implementation plans for 2022 yellow fever PMVC in Kano, Enugu and Some LGAs in Borno States in the 2nd Stream of the campaigns
- Follow-up for the report and post campaign coverage survey of the YF PMVCs implemented.

Risk Communication

- Follow up with the distribution plan to disseminate YF information, education, and communication materials including jingles across the states and FCT
- Support capacity building on One Health Risk Communication for media
- Sensitization of the media on yellow fever transmission and control measures
- Develop yellow fever advisory to the states

Partners

