

YELLOW FEVER SITUATION REPORT



Serial Number: 010	January 2022 Monthly Sitrep
Epi Week:	01 - 04 as at 31 st January 2022
Reporting Month:	January, 2022

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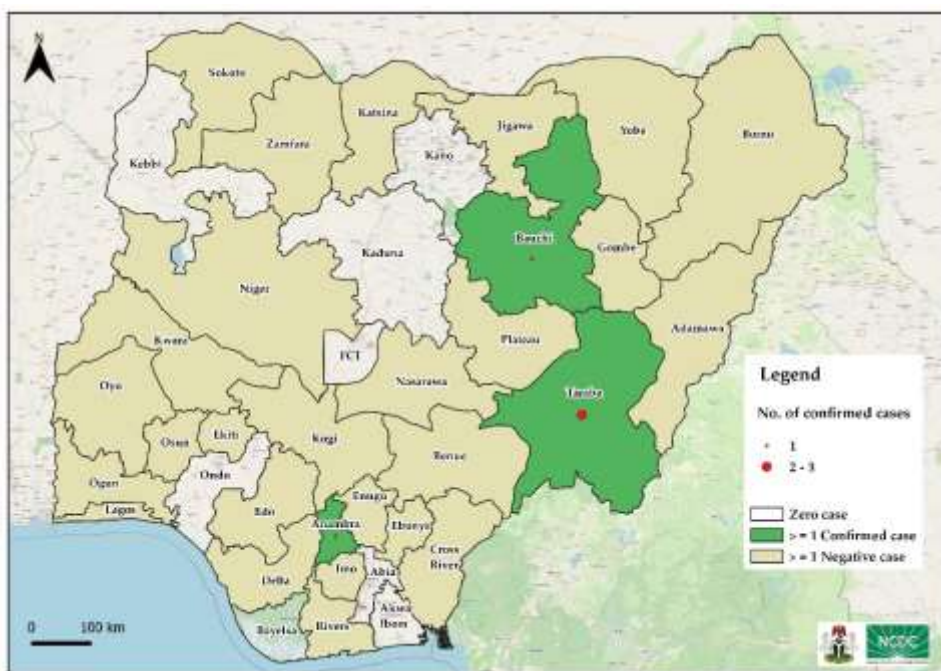
REPORTING MONTH: JANUARY 2022

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HIGHLIGHTS

REPORTING PERIOD: 1ST – 31ST JANUARY, 2022

- The Nigeria Centre for Disease Control (NCDC) continues to monitor reports of yellow fever cases in Nigeria.
- A total of 150 suspected cases were reported from 85 Local Government Areas (LGAs) across 29 states: Adamawa (3), Anambra (17), Bauchi (9), Benue (3), Borno (2), Cross River (1), Delta (1), Ebonyi (2), Edo (4), Ekiti (1), Enugu (9), Gombe (5), Imo (13), Jigawa (7), Katsina (8), Kogi (2), Kwara (4), Lagos (3), Nassarawa (4), Niger (7), Ogun (1), Osun (3), Oyo (10), Plateau (11), Rivers (3), Sokoto (4), Taraba (8) Yobe (3) and Zamfara (2).
- Sixty-nine (46%) cases of the suspected were 2022 cases.
- Three (3) presumptive positive results were recorded from; University of Nigeria Teaching Hospital (UNTH) Enugu (2) and University of Benin Teaching Hospital (UBTH) Benin City (1). These cases were reported from Edo (1), Imo (2) States.
- Five (5) new confirmed cases were confirmed at Institut Pasteur (IP) Dakar. These cases were reported from Taraba (3), Anambra (1), Bauchi (1)
- Two deaths were recorded among suspected cases
- One death was recorded among confirmed cases from Taraba State.



150 SUSPECTED CASES	29 STATES WITH SUSPECTED CASES
5 CONFIRMED CASES	3 STATES WITH CONFIRMED CASES
1 DEATHS IN CONFIRMED CASES	1 STATES WITH DEATHS IN CONFIRMED CASES

CUMMULATIVE FOR 1ST JANUARY 2021 – 31ST JANUARY, 2022

- Cumulatively from 1st January – 31st December 2021, a total of 2,202 suspected cases have been reported from 37 states including FCT in 513 LGAs
- The cases were reported from the following states: Abia (50), Adamawa [51], Akwa Ibom [8], Anambra [194], Bauchi [104], Bayelsa [34], Benue [70], Borno [208], Cross River [22], Delta [41], Ebonyi (51), Edo [57], Ekiti [21], Enugu [145], FCT Abuja [13], Gombe (12), Imo [102], Jigawa [57], Kaduna (4), Kano [22], Katsina [219], Kebbi [38], Kogi [21], Kwara [34], Lagos [13], Nasarawa [39], Niger [55], Ogun [40], Ondo [59], Osun [28], Oyo [93], Plateau [71], Rivers [36], Sokoto [13], Taraba [43], Yobe [116] and Zamfara [18] States
- All the suspected cases were reported from 513 LGAs across the 36 states and FCT. See Table (1)
- Total of 75 presumptive positive and 17 inconclusive samples were recorded from the Nigeria Laboratories
- Presumptive positives were recorded from CPHL Lagos (35), NRL Abuja (15), MDH Abuja (9), UNTH Enugu (10), YDMH (2) and UBTH (4); these cases were reported from Adamawa (1), Anambra (13), Bauchi (2), Benue (7), Borno (5), Cross River (2), Delta (5), Edo (1), Enugu (15), Imo (4), Kano (1), Katsina (2), Kebbi (1), Kogi (1), Kwara (1), Niger (1), Ondo (3), Oyo (5), Plateau (1), and Rivers (1), Taraba (3)
- Eighteen (18) Inconclusive results were reported CPHL (8), NRL (7), MDH (1), UBTH (1). These cases were reported from Adamawa (1), Bauchi (2), Borno (3), Cross River (1), Ebonyi (1), Enugu (4), Nasarawa (1), Ondo (2), Osun (1), Oyo (1), Yobe (1). These cases have been sent to IP Dakar for confirmation.
- Forty-six (47) confirmed cases have been reported from IP Dakar from: **Anambra-7** [Ekwusigo (1), Idemili North (2), Idemili South (1), Onitsha North (1), Nnewi North (1), Awka South (1)], **Bauchi-1** [Itas/Gadua (1)], **Benue-3** [Gwer West (2), Ushongo (1)], **Delta-4** [Aniocha South (1), Ika South (2), Patani (1)], **Enugu-15** [Nkanu East (11), Nkanu West (1), Udenu (1), Ezeagu (1), Igbo Eze North (1)], **Imo-1** [Ideato North (1)], **Kogi -1** [Okene (1)], **Nasarawa -1** [Akwanga (1)], **Niger -1** [Munya (1)], **Oyo-6** [Ido (2), Ona ara (1), Orelope (1), Oyo East (1), Akinyele (1)] and **Ondo -3** [Ifedore (1), Ondo West (1), Akoko South West (1)], **Osun-1** [Irewole (1)], **Taraba-3** [Wukari(1), Jalingo(2)]
- Fifteen (32%) of the 47 confirmed cases were from Enugu State
- Twelve deaths were recorded from Adamawa (1), Anambra (2), Bauchi (1), Benue (1), Enugu (1), Imo (2), Katsina (1), Kogi (1), and Osun (1), Taraba (1) among suspected cases (**CFR=0.5%**)
- Three deaths among confirmed cases from Anambra (1), Osun (1) and Taraba (1); **CFR (6.4%)**
- Male to female ratio was with males 1,186 (53.8%) and females 1,016 (46.1%)
- Seventy-nine percent of cases were predominantly aged 30 years and below
- Three hundred and eight (14.0%) of suspected cases had at least one dose of yellow fever vaccine while 14 (30%) among confirmed cases had at least one dose of yellow fever vaccine
- The NCDC is coordinating response activities through the National Multi-agency Yellow Fever Technical Working Group (YF TWG)



2,202 SUSPECTED CASES	37 STATES WITH SUSPECTED CASES
47 CONFIRMED CASES	14 STATES WITH CONFIRMED CASES
3 DEATHS IN CONFIRMED CASES	3 STATES WITH DEATHS IN CONFIRMED CASES

Table 1: Summary of yellow fever cases in Nigeria from January 2021 - January 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	51	12	-	-	-	-	-	-	-	-
Adamawa	51	18	-	2	2	-	-	-	-	1
Akwa Ibom	8	7	-	-	-	-	-	-	-	-
Anambra	194	21	6	13	9	-	7	7	1	2
Bauchi	104	15	1	4	4	-	1	1	-	1
Bayelsa	34	8	-	-	-	-	-	-	-	-
Benue	70	17	2	7	3	-	3	3	-	1
Borno	208	16	-	8	5	-	-	-	-	-
Cross River	22	12	-	3	3	-	-	-	-	-
Delta	41	12	3	5	3	-	4	4	-	-
Ebonyi	51	13	-	1	1	-	-	-	-	-
Edo	57	14	-	1	1	-	-	-	-	-
Ekiti	22	10	-	-	-	-	-	-	-	-
Enugu	145	17	5	18	6	-	15	15	-	1
FCT Abuja	13	5	-	-	-	-	-	-	-	-
Gombe	12	7	-	-	-	-	-	-	-	-
Imo	102	25	1	4	3	-	1	1	-	2
Jigawa	57	13	-	-	-	-	-	-	-	-
Kaduna	4	4	-	-	-	-	-	-	-	-
Kano	22	13	-	1	1	-	-	-	-	-
Katsina	219	31	-	2	2	-	-	-	-	1
Kebbi	38	16	-	1	1	-	-	-	-	-
Kogi	21	12	1	1	1	-	1	1	-	1
Kwara	34	13	-	1	1	-	-	-	-	-
Lagos	13	5	-	-	-	-	-	-	-	-
Nasarawa	39	9	1	1	1	-	1	1	-	-
Niger	55	18	1	1	1	-	1	1	-	-
Ogun	40	11	-	-	-	-	-	-	-	-
Ondo	60	15	3	5	3	-	3	3	-	-
Osun	28	14	1	1	1	-	1	1	1	1
Oyo	93	30	5	6	5	-	6	6	-	-
Plateau	71	16	-	1	1	-	-	-	-	-
Rivers	36	20	-	1	1	-	-	-	-	-
Sokoto	13	8	-	-	-	-	-	-	-	-
Taraba	43	10	2	3	2	-	3	3	1	1
Yobe	116	14	-	1	1	-	-	-	-	-
Zamfara	18	11	-	-	-	-	-	-	-	-
TOTAL	2,202	512 (66%)	32 (4.1%)	92 (4.2%)	62 (8.0%)	0	47 (2.1%)	47 (2.1%)	3 (6.4%)	12 (0.5%)

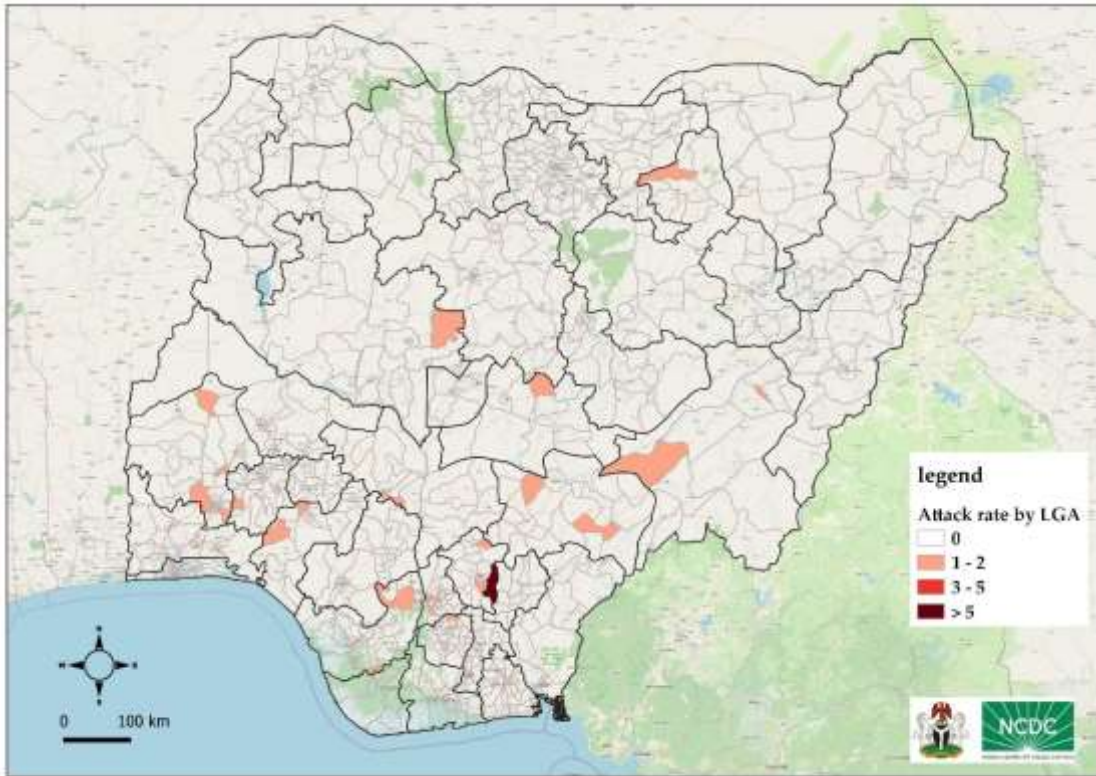


Figure 1: Map of Nigeria showing yellow fever outbreak attack rates in affected LGAs from January 2021 – January 2022

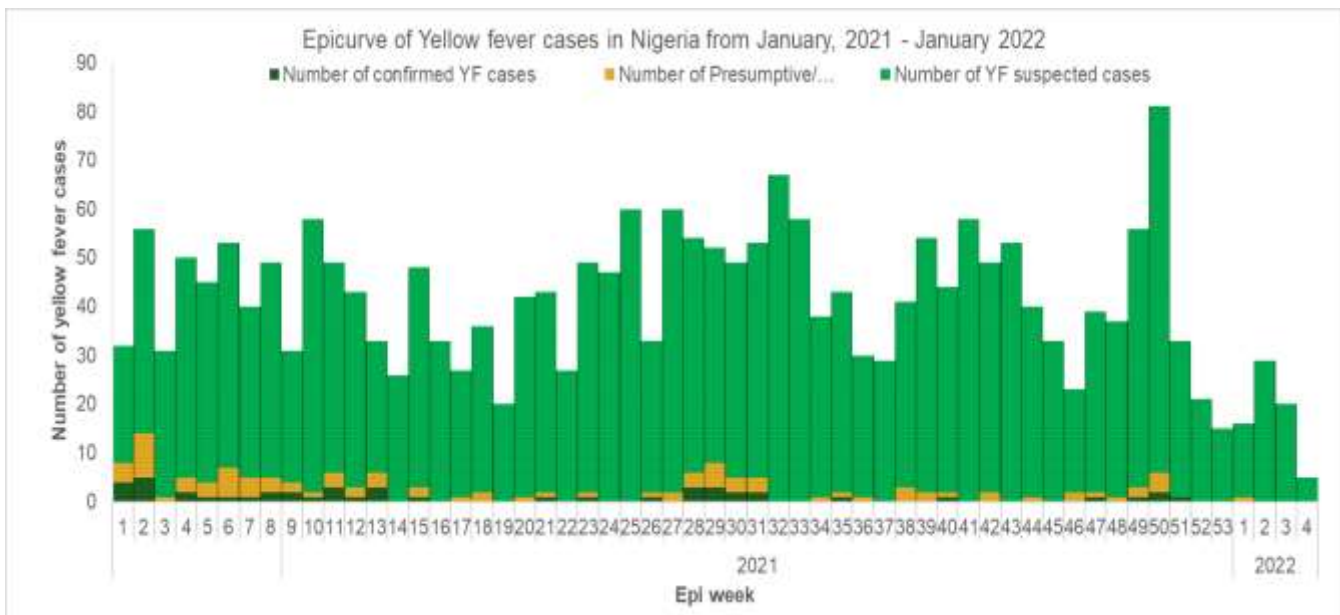


Figure 2: Epicurve of yellow fever cases in Nigeria from January 2021 – January 2022

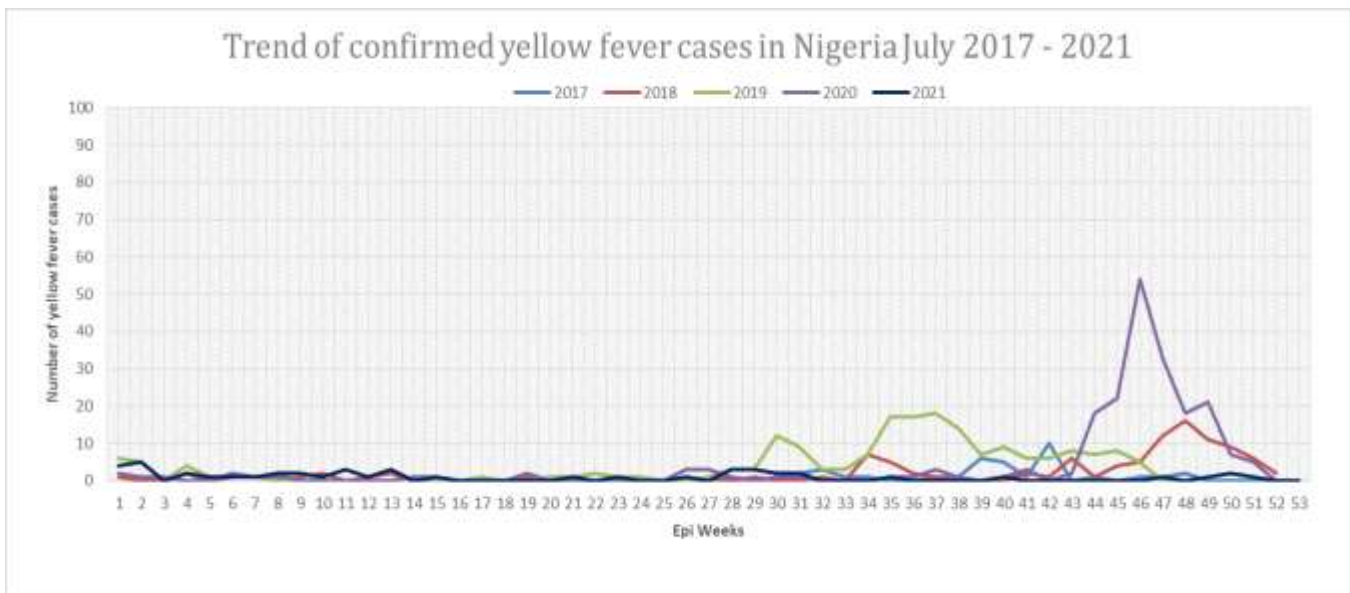


Figure 3: Trend of confirmed yellow fever cases in Nigeria 2017 – 2021

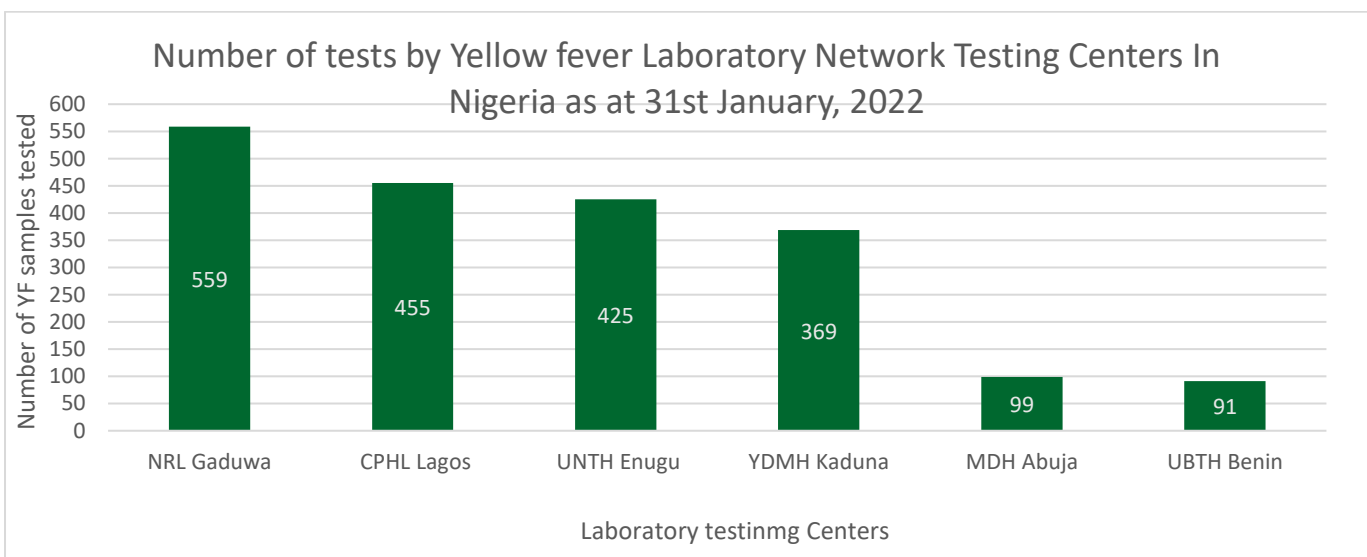


Figure 4: Distribution of yellow fever samples by Laboratory network testing centres in Nigeria from January 2021 – January 2022

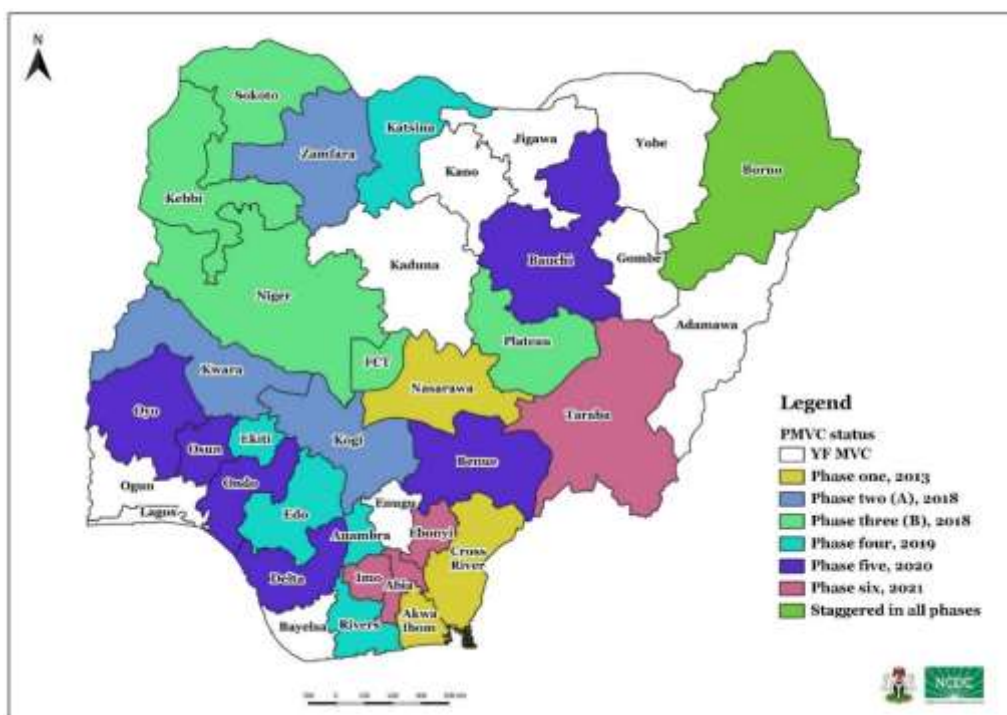


Figure 5: Map of Nigeria showing states and year of implementation Yellow fever mass vaccination campaigns from 2013-2021

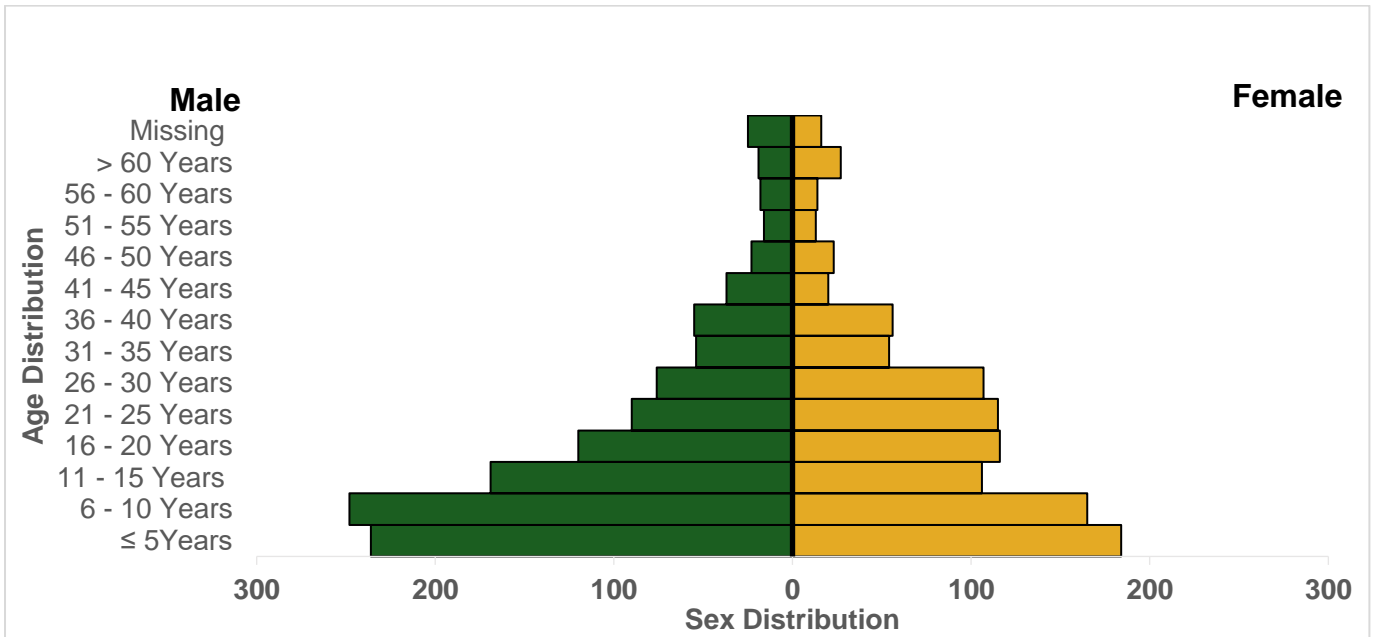


Figure 6: Age and sex distribution of yellow fever cases in Nigeria from January 2021 – January 2022

Enugu State

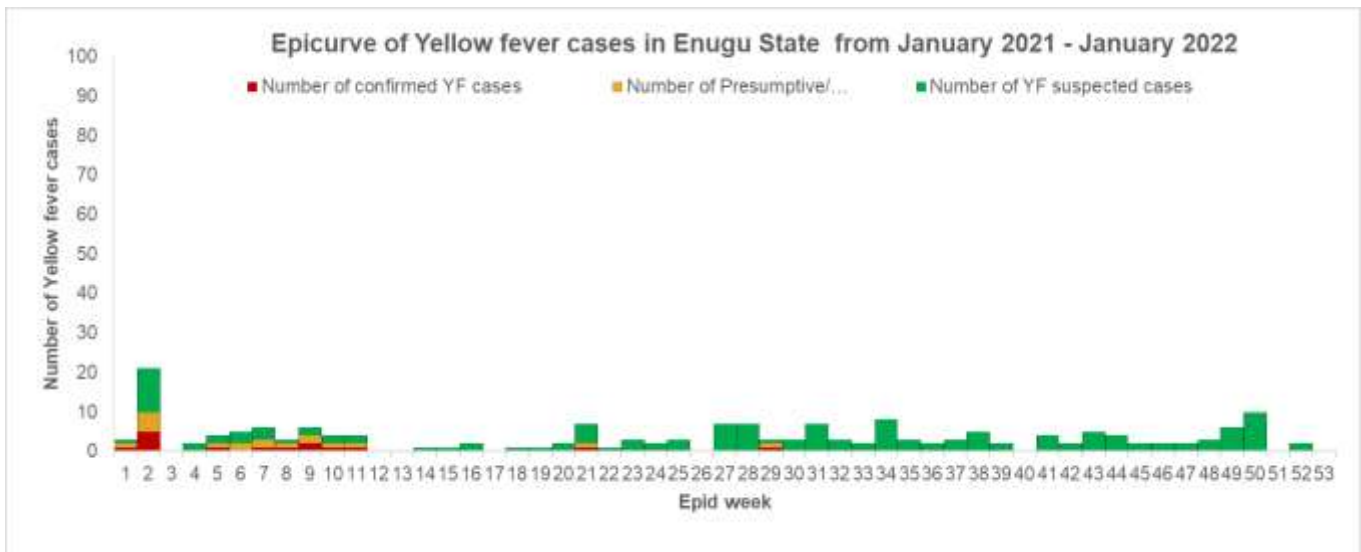


Figure 7a: Epicurve of yellow fever cases in Enugu State from January 2021 – January 2022

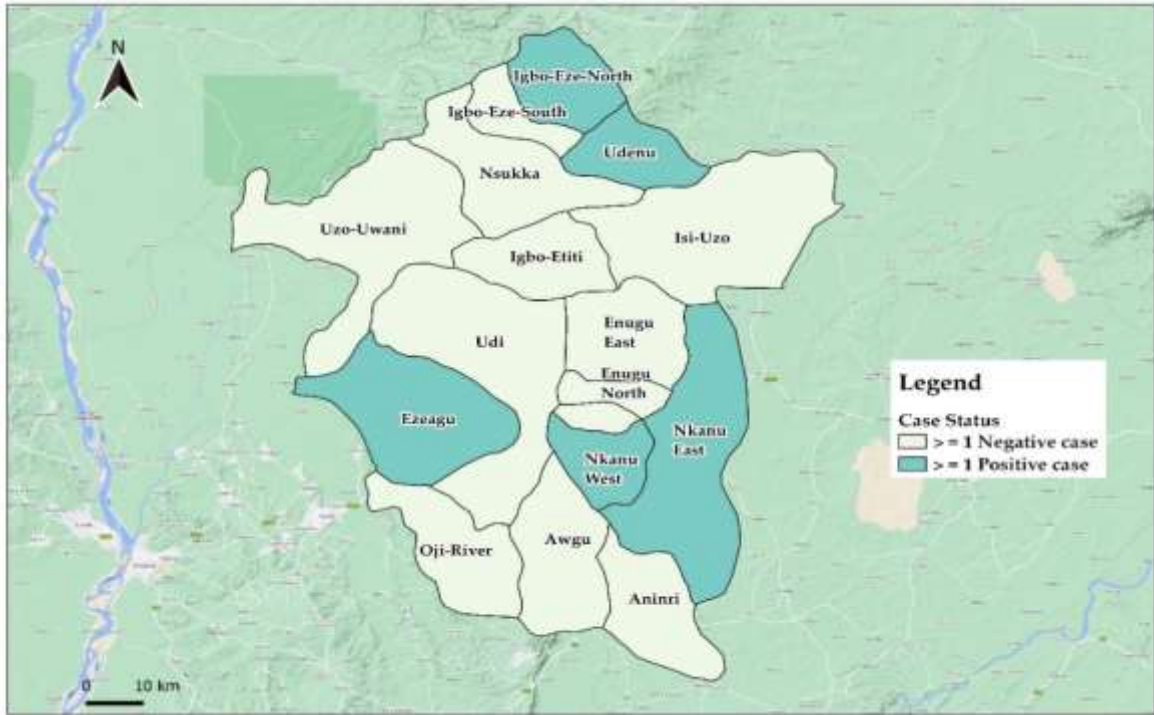


Figure 7b: Map of yellow fever cases in Enugu State from January 2021 – January 2022

SUMMARY OF TWG ACTIVITIES

Coordination

- Yellow fever response activities are coordinated by NCDC through a multi-agency Yellow Fever Technical Working Group (YF TWG)
- Distributed yellow fever preparedness and response guidelines to all states
- Finalised the yellow fever training manual for training of health workers on yellow fever identification, management, documentation, and reporting
- Investigated YF confirmed cases from seven states: Anambra, Benue, Delta, Enugu Imo, Ondo, Oyo
- Conducted the training of 48 healthcare workers from selected tertiary hospitals in Ebonyi, Edo, Ogun, Kwara, Kano and Bauchi state

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

Laboratory

- Commenced yellow fever testing for the South-east and South-south at University of Nigeria Teaching Hospital Enugu and University of Benin Teaching Hospital Benin City respectively
- Coordination of sample collection and transportation from affected states to the national testing 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

Case Management

- Ongoing sensitisation for health care workers on yellow fever case definition & management in affected states

Vaccination - Led by NPHCDA

- Supported the implementation of yellow fever preventive mass vaccination campaigns for 2021 in Abia, Ebonyi, Imo, Taraba states and some LGAs in Borno.
- Supporting the pre-implementation planning for 2022 yellow fever PMVCs in Bayelsa, Enugu, Ogun, Kano States.

Risk Communication

- Completed the printing of additional yellow fever Information Education and Communication (IEC) materials
- Ongoing daily media monitoring across social and traditional media platforms

NEXT STEPS

Coordination

- Finalise yellow fever technical documents; training materials, field investigation guide, yellow fever workplan
- Plan to continue with the training of healthcare workers from selected tertiary hospitals from other geopolitical zones
- Mapping of yellow fever hotspots

Epidemiology/Surveillance/Data Management

- Conduct sensitisation workshop on YF active case search for health care workers and surveillance officers in affected states
- Continue monitoring and analysis of YF surveillance data across all states and FCT to guide response

Case Management

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

Laboratory

- Supportive supervision to all the yellow fever testing laboratories
- Continue coordination of prompt transportation of samples to the laboratories
- Ensure continuous availability of yellow fever reagents to all testing laboratories
- Follow up with IP Dakar for timely release of results
- To complete evaluation of Mologic rapid diagnostic kit for yellow fever diagnosis

Vaccination - Led by NPHCDA

- Support implementation of reactive vaccination campaign in the remaining LGAs in Enugu State
- 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 across the states and FCT
- Support capacity building on One Health Risk Communication for media

Partners

