YELLOW FEVER SITUATION REPORT

Clusters of Outbreaks in Bauchi, Benue, Delta & Enugu States

Serial Number 003: Epi-Week 47 (as at 25th November 2020)

NIGERIA CENTRE FOR DISEASE CONTROL

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HIGHLIGHTS

- The Nigeria Centre for Disease Control (NCDC) is currently responding to clusters of yellow fever (YF) outbreaks in Delta, Enugu, Bauchi, Benue, and Ebonyi States

From the Clusters of Outbreaks across the 5 States

- In this reporting week:
  - One new confirmed case was reported from Enugu
  - No new LGAs across the affected states reported confirmed cases
  - Three new deaths among confirmed cases were reported [Bauchi (1), Enugu (2)]
- Cumulatively from epi-week 24 – 47:
  - A total of 48 confirmed cases have been reported from 7 LGAs across 5 States [Bauchi-8 (Ganjuwa 8), Benue-3 (Ogbadibo 3), Delta-10 (Ika North East 10), Enugu-26 (Igboeze North 17, Isi-Uzo 5, Nsukka 4), Ebonyi 1 (Ohaukwu 1)]
  - A total of 7 deaths were recorded among the confirmed cases with a CFR of 14.6%
- The NCDC and NPHCDA are coordinating response activities through the national YF EOC, in collaboration with states and partners
- Reactive mass vaccination campaigns have been concluded in Bauchi, Delta, and Enugu States
- Preventive mass vaccination campaigns (PMVC) have commenced in all LGAs in Benue State except Ado, Vandeikya and Oju LGAs that have been previously vaccinated

Cumulatively, across Nigeria, in 2020 from Epi-Week 01 – 47

- A total of 1,558 suspected cases and 54 confirmed cases have been reported from 481 (62%) LGAs across all states and FCT
- Laboratory results in-country: 48 confirmed (PCR); 30 presumptive positive; 11 inconclusive; 1,481 negative; 31 pending testing
- Laboratory results from IP Dakar: Of the 41 samples sent, 8 (19.5%) were confirmed, 2 (4.9%) Negative and 31 (75.6%) pending
- The 56 confirmed cases were reported from 14 LGAs across eight states
  - Bauchi (8); Benue (3); Delta (10); Ebonyi (1); Edo (5); Ekiti (1); Enugu (27); Ovo (1)

BAUCHI UPDATES
Epi Wk 24-47 (New cases)

# of Suspected Cases
153 (64)
# of Confirmed Cases
8 (0)
# of Deaths
10 (1)

BENUE UPDATES
Epi Wk 24-47 (New)

# of Suspected Cases
28 (0)
# of Confirmed Cases
3 (0)
# of Deaths

DELTA UPDATES
Epi Wk 24-47 (New)

# of Suspected Cases
179 (17)
# of Confirmed Cases
10 (0)

EBONYI UPDATES
Epi Wk 24-47 (New)

# of Suspected Cases
1(0)
# of Confirmed Cases
1 (0)
# of Deaths
0 (0)

ENUGU UPDATES
Epi Wk 24-47 (New)

# of Suspected Cases
169 (28)
# of Confirmed Cases
26 (1)
# of Deaths
78 (2)

Table 1: Summary of cases in clusters of yellow fever outbreaks in Bauchi, Benue, Delta, Ebonyi and Enugu States, epi-week 24 – 47, 2020

States	# Suspected cases	# Suspected cases with blood sample collected (%)	Lab Result			Deaths	
			Presumptive positive cases (IgM)	Confirmed cases (PCR NG)	Confirmed cases (IP Dakar)	# Deaths among confirmed (CFR)	# Deaths among all cases (CFR)
BAUCHI	**153**	**135 (88%)**	**26**	**8**	**0**	**1**	**10 (0.07%)**
Bauchi	1	1 (100%)	0	0	0	0	0
Ganjuwa	142	124 (87%)	26	8	0	1 (13%)	10 (7%)
Jama'are	6	6 (100%)	0	0	0	0	0
Ningi	2	2 (100%)	0	0	0	0	0
Tafawa-Balewa	1	1 (100%)	0	0	0	0	0
Warji	1	1 (100%)	0	0	0	0	0
BENUE	**28**	**3 (11%)**	**0**	**3**	**0**	**0**	**22 (79%)**
Ogbadibo	28	3 (11%)	0	3	0	0	22 (79%)
DELTA	**179**	**96 (54%)**	**3**	**10**	**0**	**4 (40%)**	**67 (41%)**
Aniocha North	2	2 (100%)	0	0	0	0	1 (50%)
Ika North East	164	86 (52%)	3	10	0	4 (40%)	66 (43%)
Ika South	7	5 (71%)	0	0	0	0	2 (29%)
Ughelli North	2	2 (100%)	0	0	0	0	0
Warri North	1	1 (100%)	0	0	0	0	0
EBONYI	**1**	**1 (100%)**	**0**	**1**	**0**	**0**	**0**
Ohaukwu	1	1 (100%)	0	1	0	0	0
ENUGU	**169**	**62 (37%)**	**2**	**26**	**0**	**2 (8%)**	**80 (47%)**
Awgu	1	1 (100%)	0	0	0	0	0
Igbo Etiti	10	4 (40%)	0	0	0	0	4 (40%)
Igbo-Eze North	118	21 (18%)	2	17	0	2 (12%)	75 (64%)
Isi-Uzo	26	22 (85%)	0	5	0	0	1 (4%)
Nsukka	11	11 (100%)	0	4	0	0	0
Uzo-Uwani	1	1 (100%)	0	0	0	0	0
Udenu	2	2 (100%)	0	0	0	0	0
TOTAL	**530**	**297 (56%)**	**31**	**48**	**0**	**7 (15%)**	**172 (41%)**

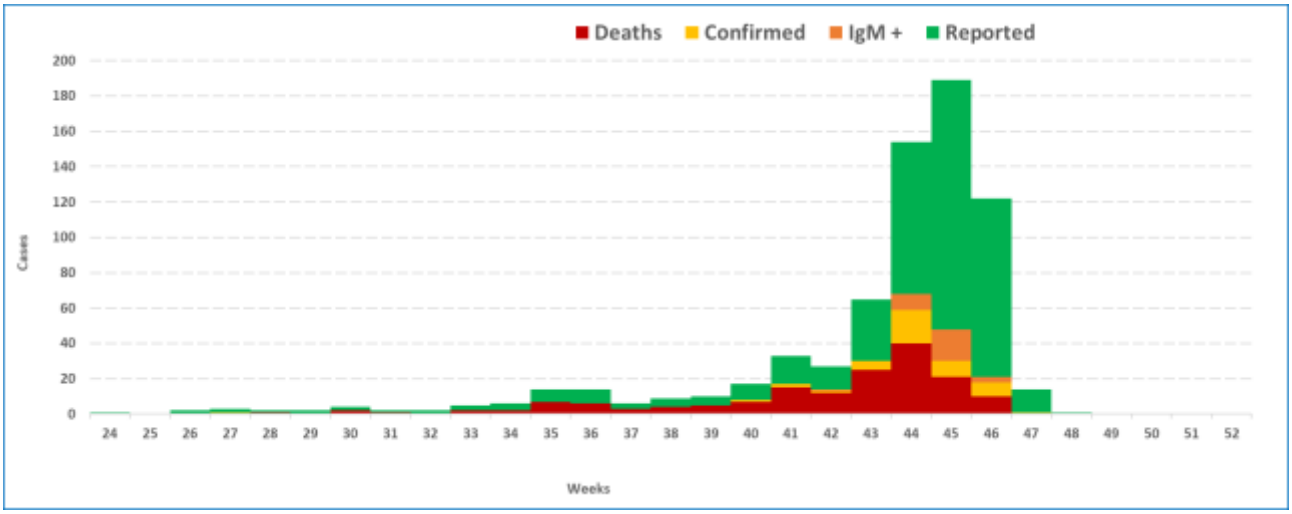


Figure 1: Epicurve of YF cases in Bauchi, Benue, Delta and Enugu States, epi-week 24 – 47, 2020

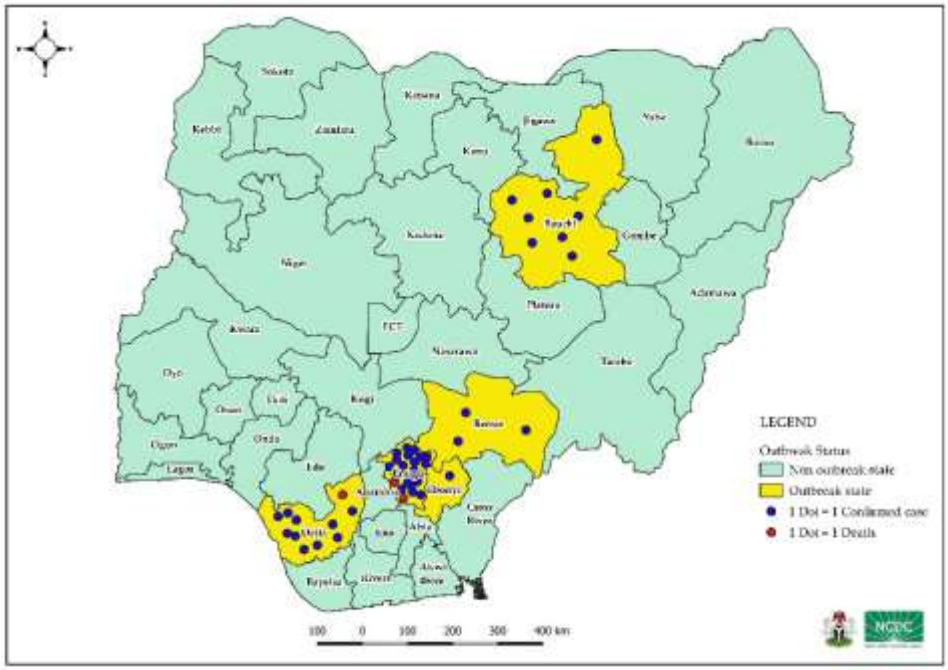


Figure 2: Map of Nigeria showing states and LGAs with yellow fever outbreak, epi-week 24 – 47, 2020

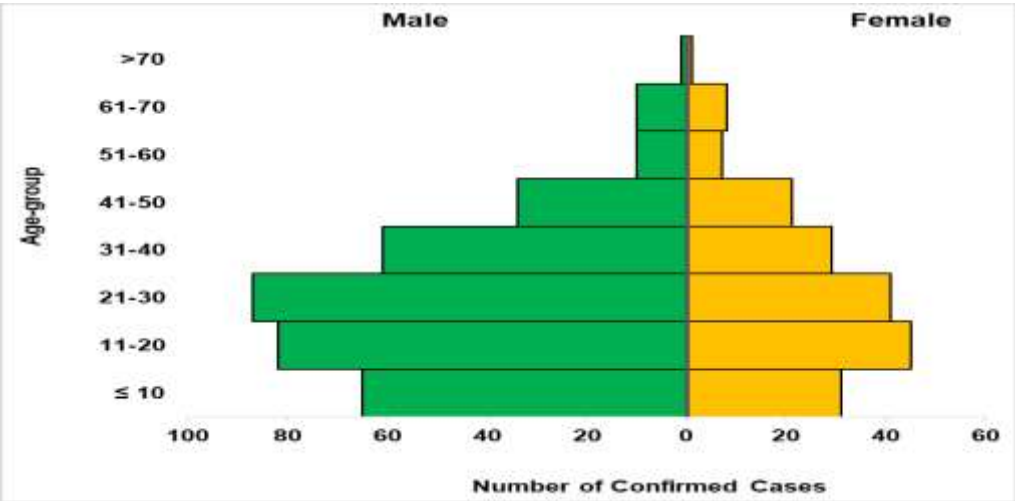


Figure 3: Age and sex distribution of yellow fever cases in Bauchi, Delta and Enugu state, epi-week 24 – 47, 2020

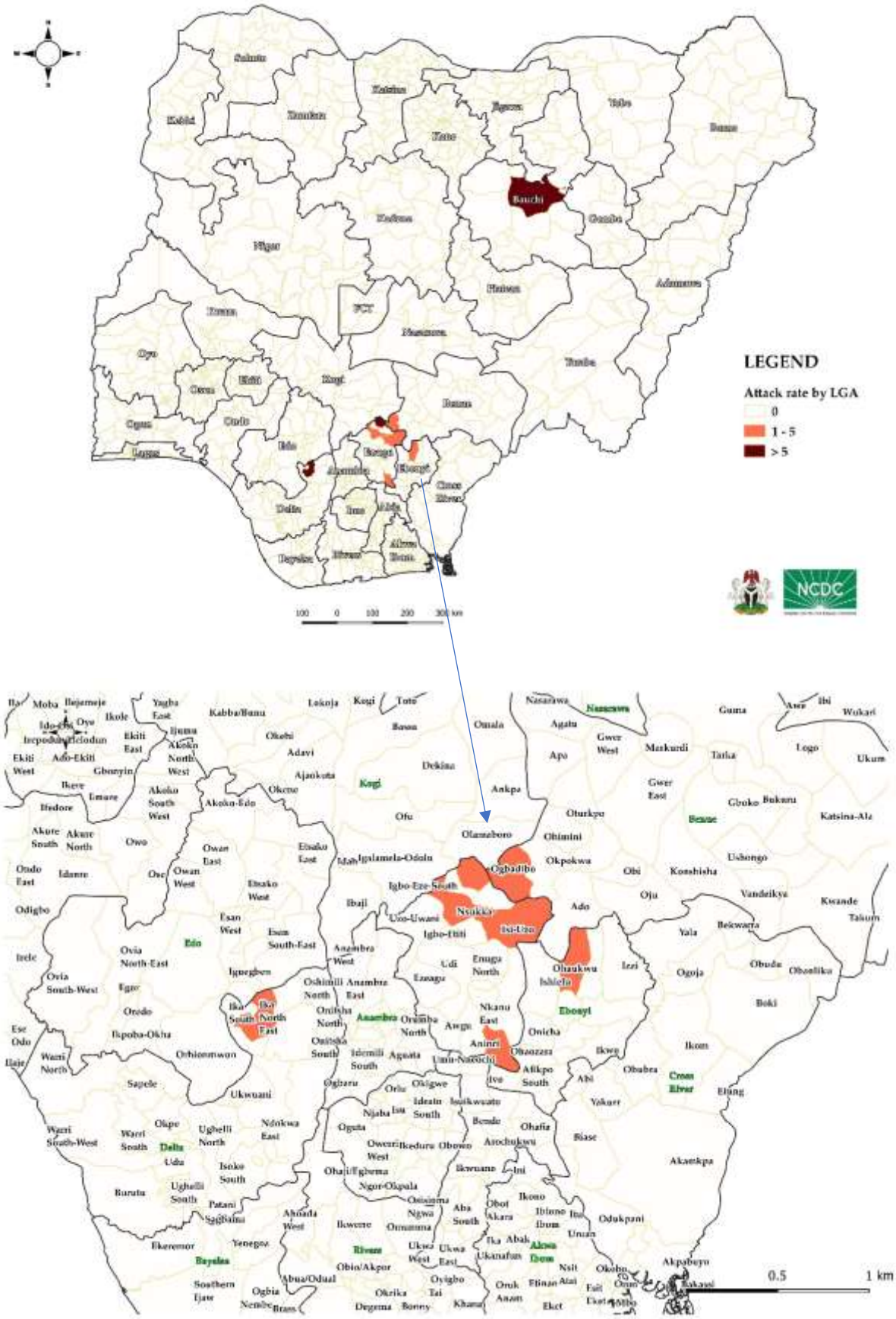
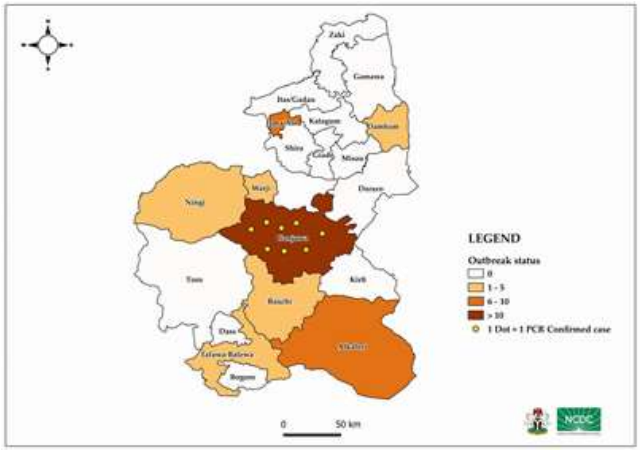
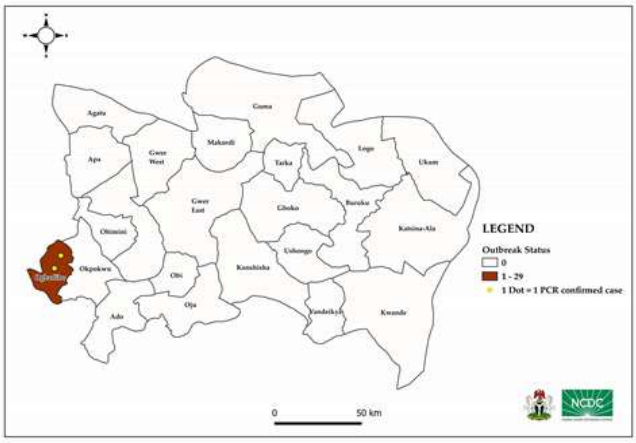


Figure 4: Map of Nigeria showing yellow fever outbreak attack rates in affected LGAs, epi-week 24 – 47, 2020

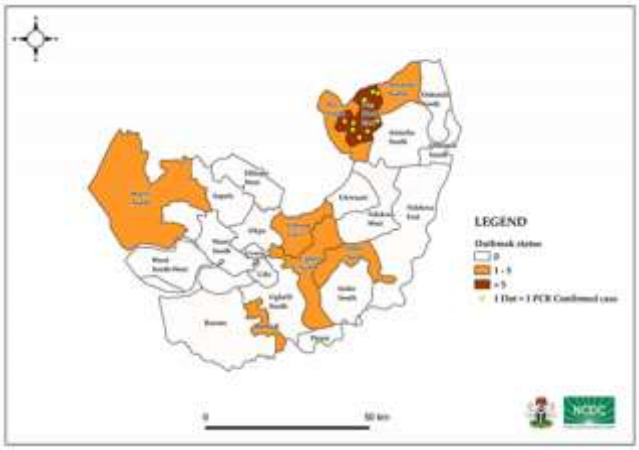
Figure 5: Epicurve of YF cases in Bauchi, Benue, Delta and Enugu States, epi-week 24 – 47, 2020



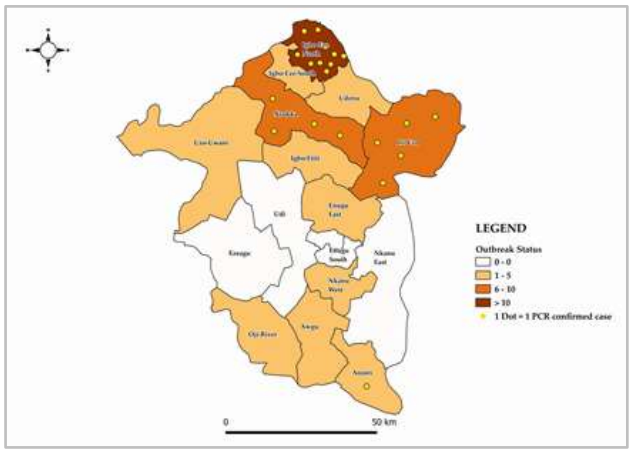
Bauchi State



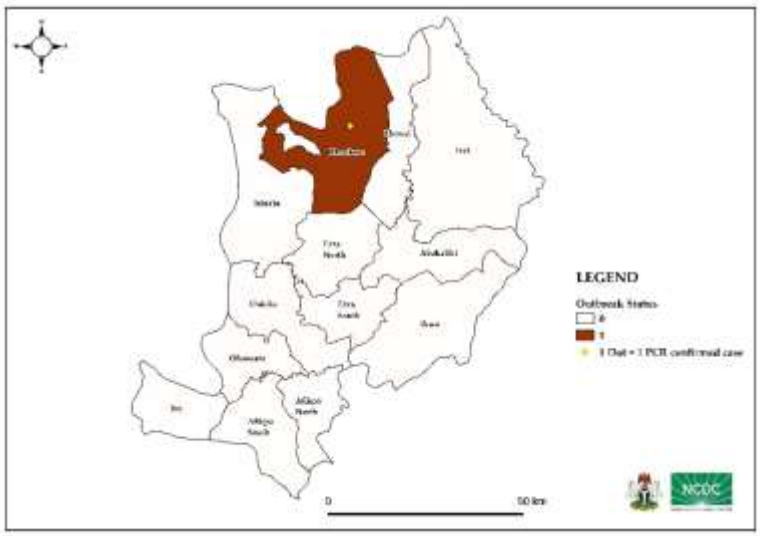
Benue State



Delta State

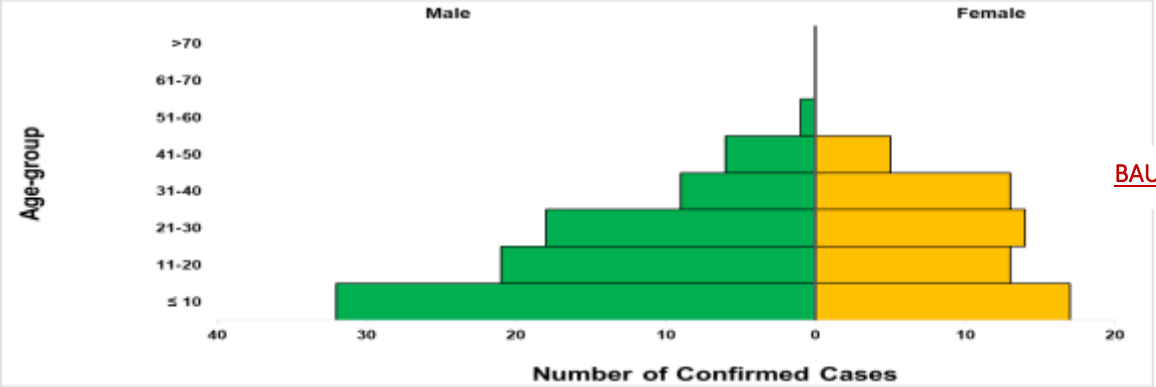


Enugu State

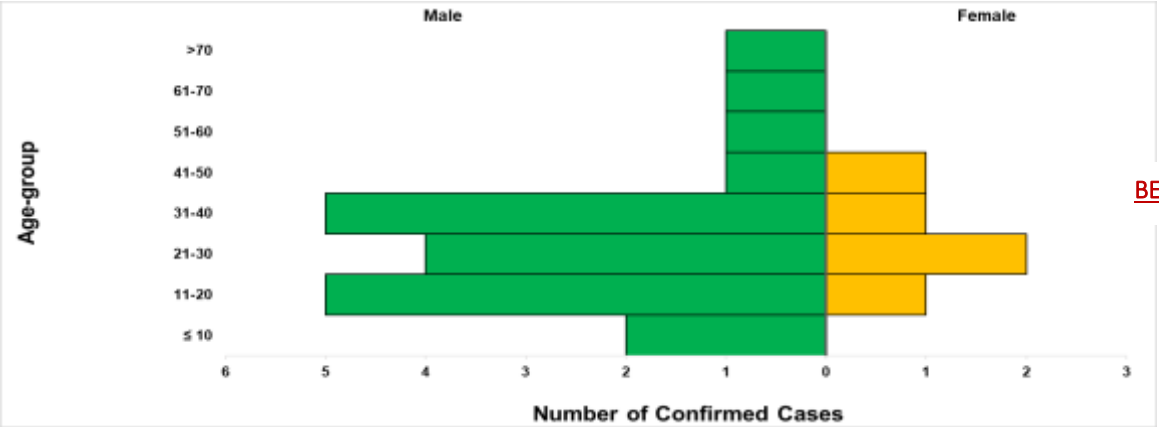


Ebonyi State

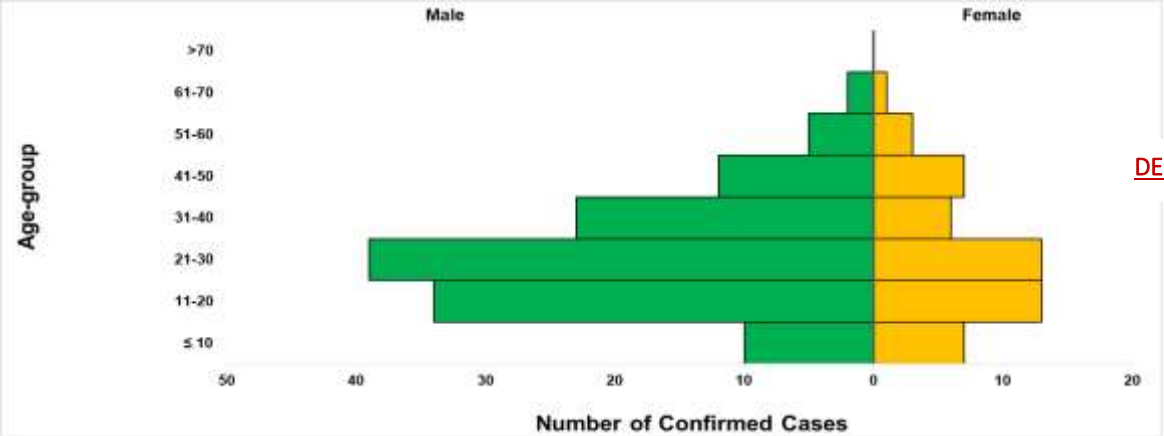
Figure 6: Map of the affected states showing yellow fever cases, epi-week 24 – 47, 2020



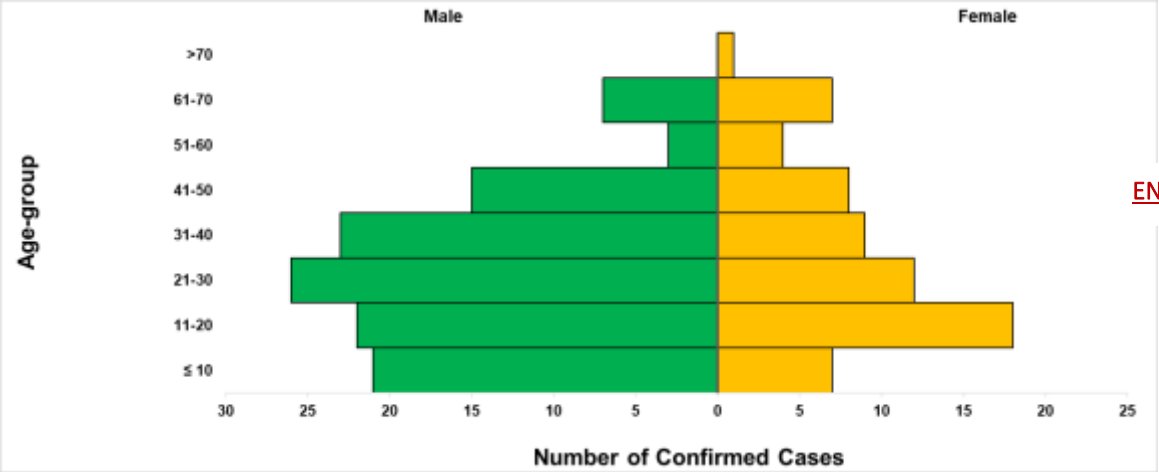
BAUCHI STATE



BENUE STATE



DELTA STATE



ENUGU STATE

Figure 7: Age and sex distribution of suspected YF cases in Bauchi, Benue, Delta and Enugu States, epi-week 24 – 47, 2020

RESPONSE ACTIVITIES

COORDINATION

- Yellow fever response activities are coordinated by a multi-agency Yellow Fever Incident Management Structure (YF IMS)
- On-site support provided by NCDC Rapid Response Teams (RRTs) to Enugu and Delta States while off-site support for other states
- Distribution of yellow fever preparedness and response guidelines to affected states
- Participated in the 2020 EYE Strategy partner meeting

EPIDEMIOLOGY/SURVEILLANCE

- Daily monitoring and analysis of surveillance data from the affected states to guide response activities
- Engaging with RRTs and State Epidemiologists for daily updates
- Ongoing plans to strengthen the orientation of at-risk states on YF surveillance
- Provided affected states with SORMAS tablets to improve real-time reporting

LABORATORY

- Coordination of sample collection and transportation from affected states to the national testing laboratories
- Ensured reagents and consumables are available in all testing laboratories

CASE MANAGEMENT

- Identified and inspected treatment sites for management of cases in Enugu State
- Sensitised health care workers on yellow fever case definition & management at Isiuzo, Nsukka LGAs of Enugu State
- MSF supporting case management in Enugu, Bauchi

VACCINATION

- Finalisation of International Coordinating Group (ICG) application for YF vaccine for Enugu States
- Ongoing mass vaccination campaigns in affected LGAs in Bauchi, Delta and Enugu States
- Preventive mass vaccination campaigns ongoing in Benue, Osun, Oyo and Ondo stated coordinated by the NPHCDA

RISK COMMUNICATION

- Finalising plans for the printing and distribution of more IEC materials
- Ongoing daily media monitoring across social and traditional media platforms
- Advocacy, sensitisation and community engagement still ongoing in affected states

NEXT STEPS

- Coordinate response activities across all affected states
- Implement the Incident Action Plan (IAP) and continue to mobilise required resources for the outbreak response
- 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
- Support response team to carry out detailed investigation using the SORMAS
- Continue provision of offsite support to the affected states on case management
- Identify and strengthen more treatment centres to support response in affected states
- Distribute more reagents to testing labs as soon as supplies through GAVI are received
- Continue to coordinate prompt transportation of collected samples to the lab

- Follow-up with Delta State conduct post vaccination campaign coverage survey in Delta State
- Awaiting ICG approval for reactive mass vaccination campaign in Enugu State
- Support social mobilisation and community engagement activities in the affected states
- Distribute IEC materials to the affected states