

# YELLOW FEVER SITUATION REPORT

## Report of Yellow fever Outbreaks in Thirteen States

Serial Number 006: Epi-Week 51 (as at 18<sup>th</sup> December 2020)



### HIGHLIGHTS

- The Nigeria Centre for Disease Control (NCDC) is currently responding to reports of yellow fever cases in 13 states - Akwa Ibom, Bauchi, Benue, Borno, Delta, Ebonyi, Enugu, Gombe, Kogi, Osun, Oyo, Plateau and Taraba States

### From the 13 States

- In this reporting week
  - Two new states reported confirmed cases from Akwa Ibom (1) and Osun (1) States
  - Twenty-seven new confirmed cases were reported from six states (Akwa Ibom (1), Bauchi (1), Benue (3), Delta (10), Enugu (11) and Osun (1))
  - Twenty-two of the new confirmed cases were reported from Institute Pasteur (IP) Dakar [Akwa Ibom (1), Bauchi (1), Benue (3), Delta (10), Enugu (6) and Osun (1)] while five from Enugu were Nigeria PCR positive results
  - No new death was recorded among confirmed cases
- Cumulatively from epi-week 24 – 50
  - A total of 101 confirmed cases have been reported from 30 LGAs across 13 States [**Enugu-36** Enugu East(2), Enugu North(1), Igbo-Etiti (5), Igbo-Eze North(11), Isi-Uzo (6), Nkanu West (2) Nsukka(6), Udeniu (3)], [**Delta-27** Ika North-East(17), Ika South(1), Oshimili North(1), Oshimili South(2), Ukwuani(1), Ndokwa West (1), Aniocha-South(4)], [**Benue-14** (Ogbadibo 13, Okpokwu (1))], [**Bauchi-9** (Ganjuwa 9)], [**Borno-5** Gwoza(1)], Hawul(1) Jere(2), Shani(1)], [**Ebonyi-3** Ohaukwu (3)], [**Gombe-1** Akko (1)], [**Kogi-1** Lokoja (1)], [**Plateau-1** Langtang (1)], [**Oyo-1** Akinyele (1)], and [**Taraba-1** Jalingo (1)], [**Akwa Ibom-1** Uyo(1)] and [**Osun-1** Ilesha (1)]. (*See table 1*)
  - Four states (Enugu (36), Delta (27), Benue (14) and Bauchi (9)) accounted for 85% of all confirmed cases
  - A total of 17 deaths were recorded among the confirmed cases with a CFR of 17% from Enugu (9), Delta (6), Bauchi (1) and Ebonyi (1). (*See table 1 and figure 1*)
- The NCDC is coordinating response activities through the national YF EOC, in collaboration with states and partners
- Nigeria has secured ICG approval for reactive mass vaccination campaign in 11 LGAs across 2 states (Enugu (9) and Ebonyi (2))
- Preventive mass vaccination campaigns (PMVC) have been concluded in all LGAs in Benue, Oyo, Ondo and Delta States. Bauchi State to implement PMVC January 2021

### Cumulatively across Nigeria, Epi-Week 01 – 50, 2020

- A total of 3,097 suspected cases and 108 confirmed cases have been reported from 488 (63%) LGAs across all states and FCT
- Laboratory results in-country: 69 confirmed (PCR); 148 presumptive positive; 13 Inconclusive; 31 pending testing; 1,481 Negative
- Laboratory results from IP Dakar: Of the 148 samples sent to IP Dakar, 41 (27.7%) were confirmed, 16 (10.8%) Negative and 91 (61.5%) pending
- The 108 confirmed cases were reported from 26 LGAs across eleven states
  - Enugu (37); Delta (27); Benue (14); Bauchi (9); Borno (5), Edo (5); Ebonyi (3); Ekiti (1); Gombe (1), Oyo (2), Akwa Ibom (1), Osun (1), Plateau (1), Taraba (1)
- Seventeen deaths (CFR: 16%) were reported among confirmed cases across four states [Bauchi (1), Delta (6), Ebonyi (1) and Enugu (9)]



**Table 1: Summary of cases in clusters of yellow fever outbreaks in Bauchi, Benue, Delta, Ebonyi and Enugu States, epi-week 24 – 50, 2020**

State	# Suspected Cases	# Cases with Blood Sample Collected (%)	Confirmed Cases		Deaths	
			Confirmed Cases (PCR NG)	Confirmed Cases (IP Dakar)	# Deaths among Confirmed Cases (CFR)	# Deaths among All Cases (CFR)
<b>Akwa Ibom</b>	<b>1</b>	<b>1 (100%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
Uyo	1	1 (100%)	0	1	0	0
<b>Bauchi</b>	<b>153</b>	<b>136 (89%)</b>	<b>8</b>	<b>1</b>	<b>1 (11%)</b>	<b>10 (7%)</b>
Bauchi	1	1 (100%)	0	0	0	0
Darazo	1	1 (100%)	1	0	0	0
Ganjuwa	141	124 (88%)	7	1	1 (13%)	10 (7)
Jama'are	6	6 (100%)	0	0	0	0
Ningi	2	2 (100%)	0	0	0	0
Tafawa-Balewa	1	1 (100%)	0	0	0	0
Warji	1	1 (100%)	0	0	0	0
<b>Benue</b>	<b>123</b>	<b>23 (19%)</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>48 (39%)</b>
Ogbadibo	119	19 (16%)	11	2	0	48 (40%)
Okpokwu	4	4 (100%)	0	1	0	0
<b>Borno</b>	<b>53</b>	<b>1 (2%)</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>
Bama	1	0 (0%)	0	0	0	0
Bayo	5	0 (0%)	0	0	0	0
Chibok	3	0 (0%)	0	0	0	0
Dambo	4	0 (0%)	0	0	0	0
Gubio	8	0 (0%)	0	0	0	0
Gwoza	9	1 (11%)	1	0	0	0
Hawul	2	0 (0%)	0	1	0	0
Jere	6	0 (0%)	0	2	0	0
Kala/Balge	1	0 (0%)	0	0	0	0
Konduga	5	0 (0%)	0	0	0	0
Magumeri	2	0 (0%)	0	0	0	0
Mobbar	2	0 (0%)	0	0	0	0
Monguno	1	0 (0%)	0	0	0	0
Ngala	1	0 (0%)	0	0	0	0
Nganzai	1	0 (0%)	0	0	0	0
Shani	2	0 (0%)	0	0	0	0
<b>Delta</b>	<b>233</b>	<b>150 (64%)</b>	<b>17</b>	<b>10</b>	<b>6 (22%)</b>	<b>59 (25%)</b>
Aniocha North	2	2 (100%)	0	0	0	1 (50%)
Aniocha South	5	5 (100%)	4	0	0	0
Ika North East	199	120 (60%)	8	9	4 (23%)	54 (27%)
Ika South	16	12 (75%)	1	0	0	4 (25%)
Isoko North	1	1 (100%)	0	0	0	0
Ndokwa West	2	2 (100%)	1	0	0	0
Oshimili North	1	1 (100%)	1	0	1 (100)	0
Oshimili South	2	2 (100%)	1	1	0	0
Ughelli North	2	2 (100%)	0	0	0	0
Ukwuani	2	2 (100%)	1	0	1 (100)	0
Warri North	1	1 (100%)	0	0	0	0
<b> Ebonyi</b>	<b>40</b>	<b>4 (10%)</b>	<b>1</b>	<b>2</b>	<b>1 (33%)</b>	<b>10 (25%)</b>
Abakaliki	1	0 (0%)	0	0	0	0
Afikpo North	4	0 (0%)	0	0	0	0
Afikpo South	1	0 (0%)	0	0	0	0
Ebonyi	3	1 (33%)	0	0	0	1 (33%)
Ezza North	1	0 (0%)	0	0	0	0
Ezza South	2	0 (0%)	0	0	0	0
Ikwo	2	0 (0%)	0	0	0	0
Ishielu	1	0 (0%)	0	0	0	0
Izzi	7	0 (0%)	0	0	0	0
Ohaukwu	17	3 (18%)	1	2	1 (33%)	9 (53%)

Onicha	1	0 (0%)		0	0	0
<b>Enugu</b>	<b>418</b>	<b>90 (22%)</b>	<b>30</b>	<b>6</b>	<b>9 (15%)</b>	<b>120 (29%)</b>
Enugu East	14	7 (50%)	1	1	1 (50%)	1 (7%)
Enugu North	3	1 (33%)	1	0	0	0
Igbo Etit	21	10 (48%)	5	0	1 (20%)	5 (24%)
Igbo-Eze North	173	17 (10%)	9	2	4	99 (57%)
Igbo-Eze South	12	4 (33%)	0	0	0	0
Isi-Uzo	39	23 (59%)	5	1	1 (17%)	12 (31%)
Nkanu East	10	8 (80%)	0	0	0	0
Nkanu West	5	3 (60%)	2	0	0	0
Nsukka	128	9 (7%)	4	2	1 (17%)	1 (1%)
Orji River	1	0 (0%)	0	0	0	0
Udenu	8	6 (75%)	3	0	1 (33%)	1 (13%)
Udi	1	0 (0%)	0	0	0	0
Uzo-Uwani	3	2 (67%)	0	0	0	1 (33%)
<b>Gombe</b>	<b>1</b>	<b>1(100%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0 (0%)</b>
Akko	1	1(100%)	0	1	0	0 (0%)
<b>Kogi</b>	<b>8</b>	<b>3 (38%)</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Lokoja	1	1 (100%)	1	0	0	0
Olamaboro	7	2 (29%)	0	0	0	0
<b>Osun</b>	<b>1</b>	<b>1 (100%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
Ilesha East	1	1 (100%)	0	1	0	0
<b>Oyo</b>	<b>53</b>	<b>53 (100%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2 (4%)</b>
Akinyele	1	1 (100%)	0	0	0	0
Atiba	4	4 (100%)	0	0	0	0
Egbeda	2	2 (100%)	0	0	0	0
Ibadan North	1	1 (100%)	0	0	0	0
Ibadan North East	4	4 (100%)	0	1	0	0
Ibadan North West	2	2 (100%)	0	0	0	0
Ibarapa East	2	2 (100%)	0	0	0	0
Ibarapa North	8	8 (100%)	0	0	0	0
Ido	2	2 (100%)	0	0	0	0
Iseyin	1	1 (100%)	0	0	0	0
Itesiwaju	5	5 (100%)	0	0	0	0
Iwajowa	1	1 (100%)	0	0	0	0
Lagelu	1	1 (100%)	0	0	0	0
Ogbomosho North	2	2 (100%)	0	0	0	2 (100%)
Ogbomosho South	2	2 (100%)	0	0	0	0
Ogo Oluwa	1	1 (100%)	0	0	0	0
Olorunsogo	2	2 (100%)	0	0	0	0
Oluyole	1	1 (100%)	0	0	0	0
Ona Ara	2	2 (100%)	0	0	0	0
Orelope	2	2 (100%)	0	0	0	0
Oyo West	1	1 (100%)	0	0	0	0
Saki East	1	1 (100%)	0	0	0	0
Surulere	5	5 (100%)	0	0	0	0
<b>Plateau</b>	<b>16</b>	<b>16 (100%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
Bokkos	2	2 (100%)	0	0	0	0
Jos East	2	2 (100%)	0	0	0	0
Jos North	2	2 (100%)	0	0	0	0
Kanke	2	2 (100%)	0	0	0	0
Langtang North	2	2 (100%)	0	1	0	0
Langtang South	1	1 (100%)	0	0	0	0
Mikang	1	1 (100%)	0	0	0	0
Riyom	2	2 (100%)	0	0	0	0
Wase	2	2 (100%)	0	0	0	0
<b>Taraba</b>	<b>15</b>	<b>15 (100%)</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
Ardo-Kola	4	4 (100%)	0	0	0	0
Donga	2	2 (100%)	0	0	0	0

Gashaka	1	1 (100%)	0	0	0	0
Gassol	1	1 (100%)	0	0	0	0
Jalingo	2	2 (100%)	0	1	0	0
Karim-Lamido	2	2 (100%)	0	0	0	0
Sardauna	1	1 (100%)	0	0	0	0
Takum	2	2 (100%)	0	0	0	0
<b>TOTAL</b>	<b>1,115</b>	<b>494 (44%)</b>	<b>69</b>	<b>32</b>	<b>17 (17%)</b>	<b>249 (22%)</b>

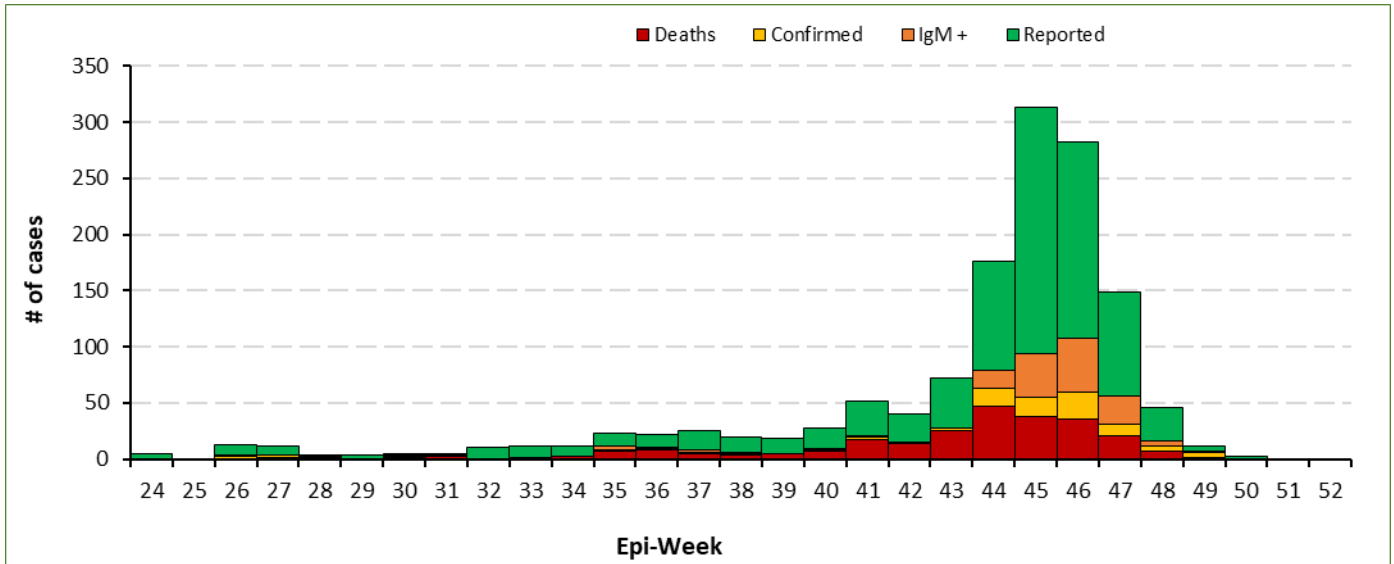


Figure 1: Epicurve of YF cases in Akwa Ibom, Bauchi, Benue, Borno, Delta, Ebonyi, Enugu, Kogi, Osun, Oyo, Plateau and Taraba States, epi-week 24 – 50, 2020

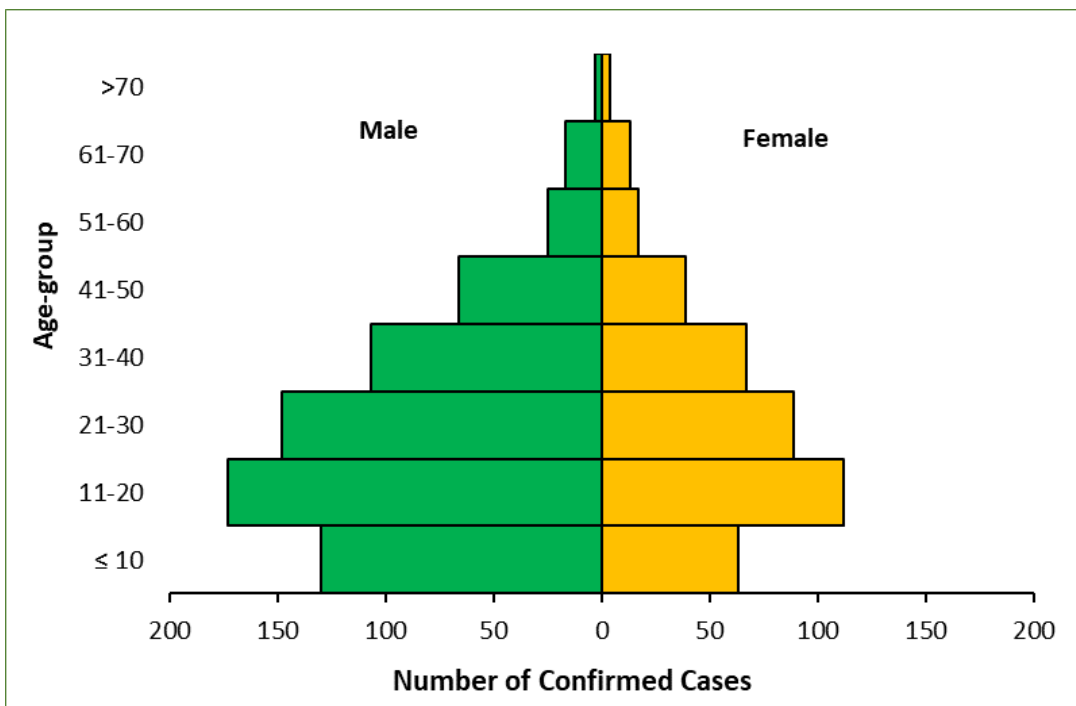


Figure 3: Age and sex distribution of yellow fever cases in Akwa Ibom, Bauchi, Benue, Borno, Delta, Ebonyi, Enugu, Kogi, Osun, Oyo, Plateau and Taraba States, epi-week 24 – 50, 2020

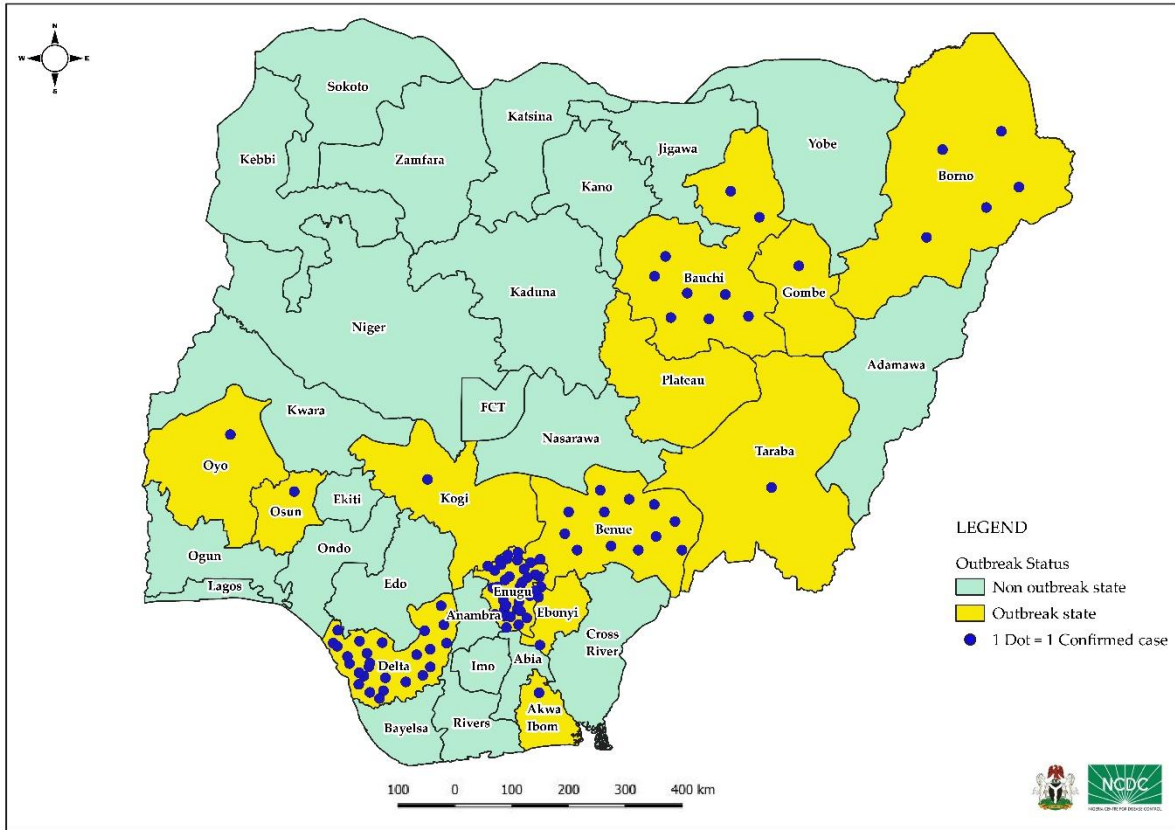


Figure 2: Map of Nigeria showing states and LGAs with yellow fever outbreak, epi-week 24 – 50, 2020

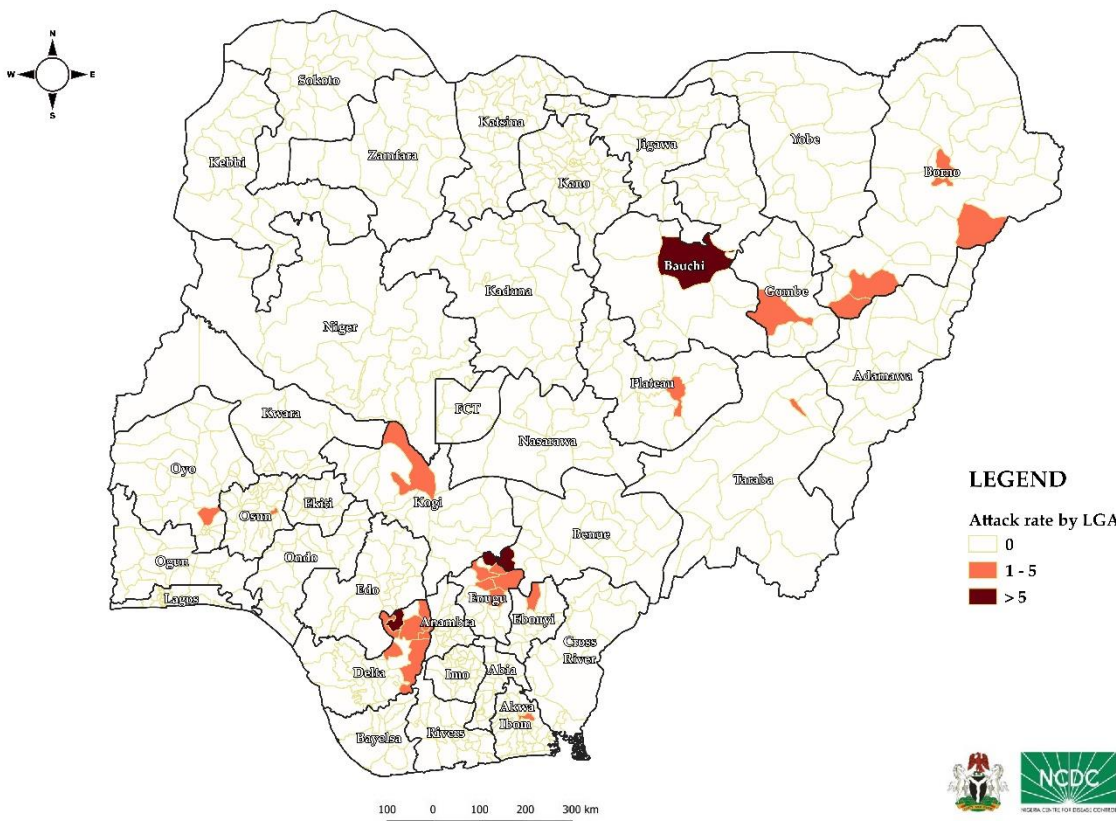


Figure 4: Map of Nigeria showing yellow fever outbreak attack rates in affected LGAs, epi-week 24 – 50, 2020



Figure 5: Epicurve of YF cases in Bauchi, Benue, Delta, Enugu, Ebonyi, Borno, Kogi, Oyo, Plateau and Taraba States, epi-week 24 – 50, 2020

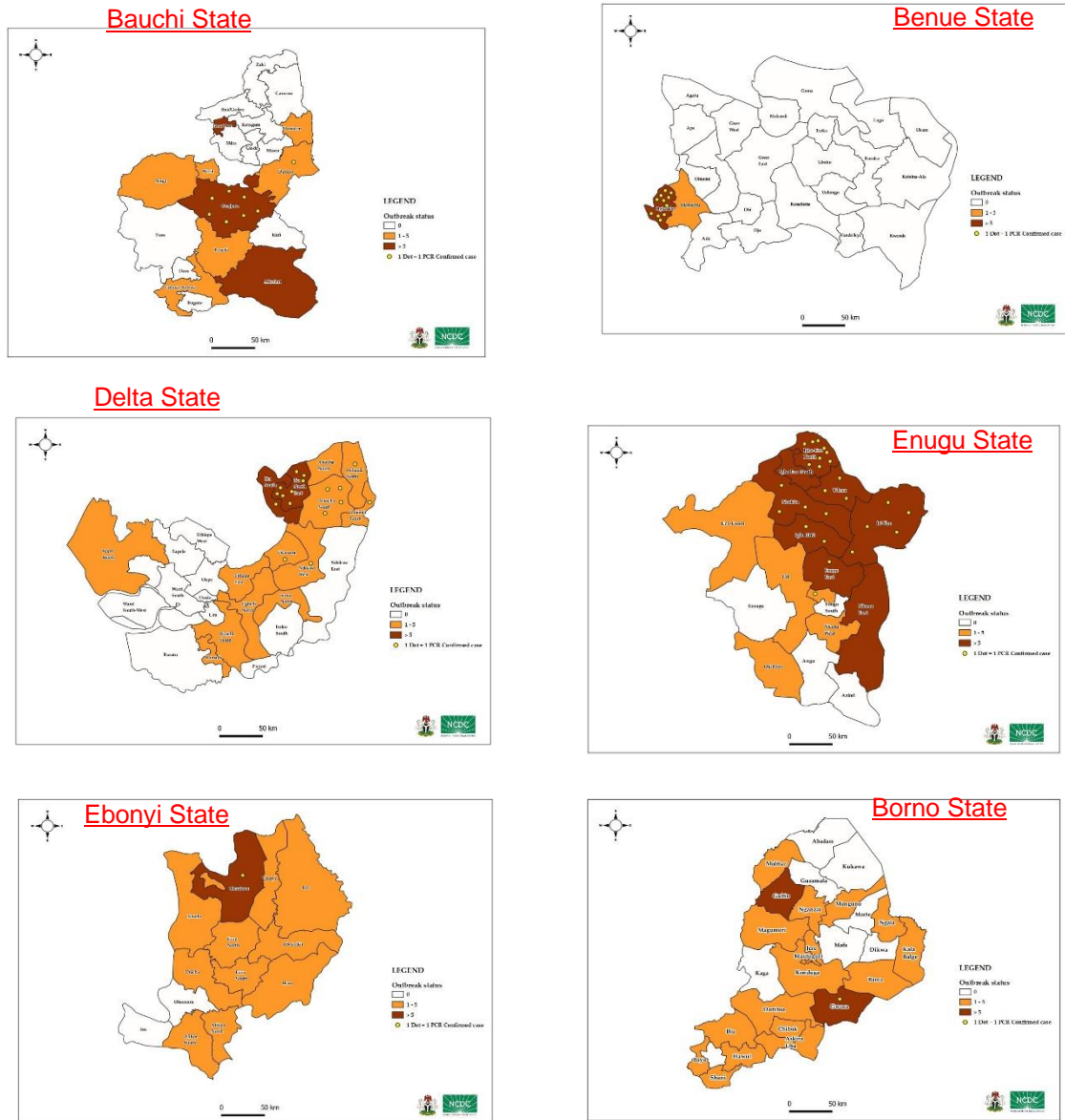
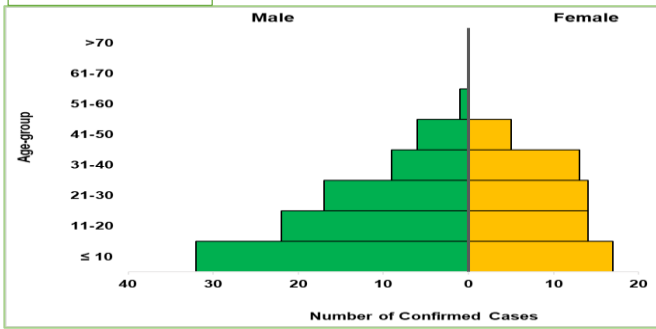
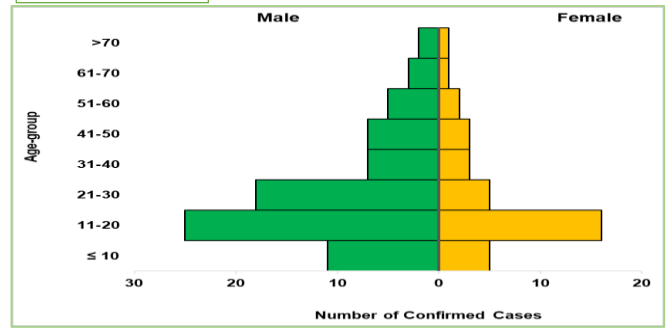


Figure 6: Map of the affected states showing yellow fever cases, epi-week 24 – 50, 2020

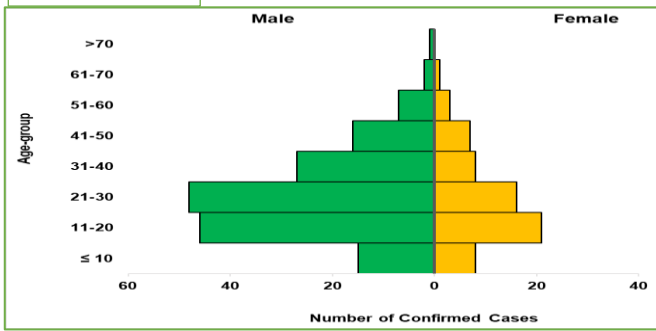
**BAUCHI STATE**



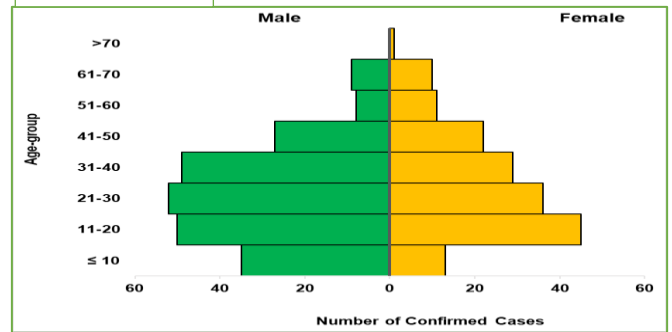
**BENUE STATE**



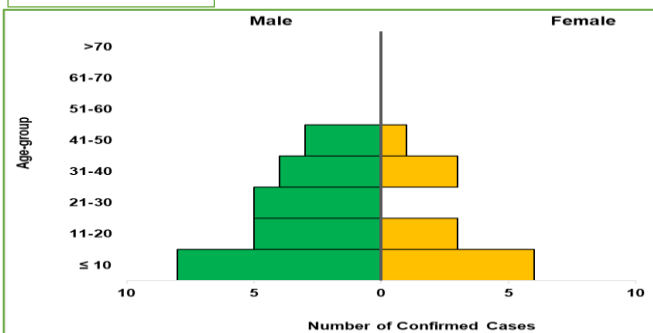
**DELTA STATE**



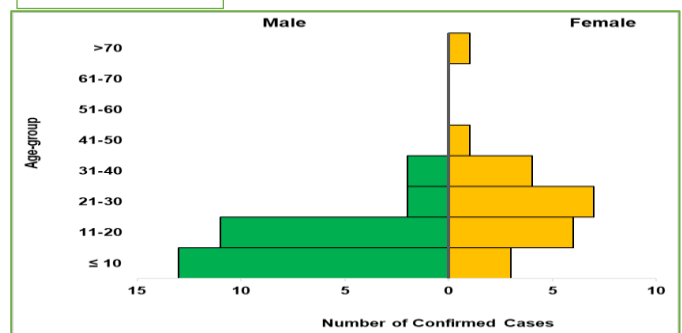
**ENUGU STATE**



**EBONYI STATE**



**BORNO STATE**



**Figure 7: Age and sex distribution of suspected YF cases in Bauchi, Benue, Delta, Enugu, Ebonyi, Borno, Kogi, Plateau and Taraba States, epi-week 24 – 50, 2020**