HIGHLIGHTS
In this reporting week 8th October – 14th October, 2018:

- There were 78 suspected cases reported
- Seven presumptive positive cases and two inconclusive cases were reported from two of the diagnostic laboratories as outlined below:
  - The NCDC Central Public Health Laboratory (CPHL) reported two inconclusive cases from [-1 Abia (Umuahia South, LGA), Imo -1 (Ezinihitte LGA)]
  - Kaduna Yusuf Dansoho Memorial Hospital (YDMH) reported seven presumptive positive cases; from [Jigawa -1 Guri LGA, Kebbi -5 (Ngaski LGA -4 and Shanga LGA -1) and Sokoto – 1 Gada LGA].

- The last Institut Pasteur Dakar (IP Dakar) confirmed case from Nigeria was on 6th June, 2018 from Rivers State
- A three year (2019-2021) Yellow fever (YF) Preventive Mass Vaccination Campaign (PMVC) proposal plan developed

SUMMARY OF OUTBREAK

- A yellow fever outbreak is currently active in Nigeria. Confirmed cases have been recorded in eleven States (Kwara, Kogi, Kano, Zamfara, Kebbi, Nasarawa, Niger, Katsina, Edo, Ekiti and Rivers States): in 22 Local Government areas (LGAs) [Table 1]
- Since the beginning of the outbreak, 155 samples (presumptive positive -133 and inconclusive -22) in 77 LGAs have been sent to IP Dakar for re-confirmation [Figure 1]
- Since the beginning of the outbreak, all Nigerian states have reported suspected cases in 566 (73.1%) LGAs
- From the onset of this outbreak in September 12, 2017, a total of 3,240 suspected yellow fever cases have been reported as at week 41 [8th October – 14th October, 2018 (Table 1)].
- Of the 3,240 suspected cases, 2,985 (92.1%), had blood samples collected and sent to the Nigerian testing laboratories for confirmation
- Of the 2,985 samples collected, 133 (4.5%) tested positive for yellow fever (presumptive positive cases) and 22 (0.7%) inconclusive results in six Nigerian laboratories (Table 1)
• Of the 155 (presumptive positive and inconclusive) samples in Nigeria, 47 (30.3%) samples have been confirmed positive by IP, Dakar. 77 samples were negative. Awaiting results of 31 samples from IP Dakar [Table 1].

• Of all suspected, probable and confirmed cases, 54 deaths have been recorded while 11 deaths have been recorded among confirmed cases only. The case fatality ratio (CFR) for all cases (suspected, probable and confirmed) is 1.7%, and 23.4% for confirmed cases.

• Predominant age groups affected among the suspected cases is 20 years and below (children and younger adults) accounting for 2026 (62.5%) [Male 1,236 (38.1%): Female 790 (24.4%)], However, age groups 1 - 5 years have the highest peak
  o Median age is 15 years (range 1 – 92 years)
  o Male to female ratio is 1.4 to 1 [Male 1,874 (57.8%), Female 1,366 (42.2%)]
  o Among the confirmed cases, male to female ratio is 1.8:1 (male 63.8%, female 36.2%)

• Yellow fever preventive mass vaccination campaigns (PMVC) have been successfully completed in six states
  o Nasarawa, Cross River, Akwa Ibom; Kogi, Kwara and Zamfara and in fifty-eight political wards in 25 LGAs in Borno State
  o 2018 phase 2b November PMVC to be implemented from 22nd November – 1st December, 2018 in Sokoto, Kebbi, Niger, FCT, Plateau and Borno [3 LGAs (Askira/Uba, Chibok, Konduga)]

States Target population 9 months to 44 years, (85% of the total population).

EPI-SUMMARY

Table 1: Showing all affected states and cases with Yellow fever as at week 41(8th October – 14th October), 2018

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of cases in the line list</td>
<td>116</td>
<td>221</td>
<td>102</td>
<td>138</td>
<td>99</td>
<td>52</td>
<td>157</td>
<td>41</td>
<td>43</td>
<td>200</td>
<td>131</td>
<td>46</td>
<td>122</td>
<td>119</td>
<td>27</td>
<td>25</td>
<td>77</td>
<td>39</td>
<td>112</td>
<td>28</td>
<td>32</td>
<td>16</td>
<td>34</td>
</tr>
<tr>
<td>Attack Rate Per 100,000 population</td>
<td>1.2</td>
<td>2.3</td>
<td>1.4</td>
<td>1.6</td>
<td>1.2</td>
<td>0.7</td>
<td>1.8</td>
<td>0.5</td>
<td>0.1</td>
<td>0.8</td>
<td>0.5</td>
<td>0.1</td>
<td>0.9</td>
<td>0.8</td>
<td>0.9</td>
<td>0.1</td>
<td>0.4</td>
<td>0.3</td>
<td>0.6</td>
<td>0.9</td>
<td>1.4</td>
<td>0.9</td>
<td>0.1</td>
</tr>
<tr>
<td>%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total number of samples sent to Dakar</td>
<td>28</td>
<td>34</td>
<td>28</td>
<td>28</td>
<td>30</td>
<td>25</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>Total number of samples sent to Dakar</td>
<td>28</td>
<td>34</td>
<td>28</td>
<td>28</td>
<td>30</td>
<td>25</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>States with presumptive/inconclusive cases</td>
<td>States with confirmed cases</td>
<td>States with only suspected cases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CFR for all cases = 1.7%, among the Presumptive/inconclusive cases 11.0% and among IP Dakar confirmed cases 23.4%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---PROTECTING THE HEALTH OF NIGERIANS---
Figure 1: Attack rate of YF in Nigeria by State as at week 41 (8th October – 14th October), 2018

Figure 2: Epidemic curve of suspected / confirmed cases of yellow fever in Nigeria as at week 41 (8th October – 14th October), 2018
Figure 3: Epidemic curve of presumptive / confirmed cases of yellow fever in Nigeria as at week 41 (8th October – 14th October), 2018

Figure 5: Map of Nigeria showing states with suspected/presumptive/confirmed as at week 41 (8th October – 14th October), 2018