HIGHLIGHTS

• Nigeria is currently responding to an outbreak of yellow fever, in people who are either resident in, or have visited Alkaleri Local Government Area (LGA) in Bauchi since the 1st of August 2019
• Suspected and confirmed cases with an epidemiological link to Bauchi have been reported in Borno, Kano, Gombe and Katsina states
• Of the cases with an epidemiological link to Bauchi, current epi summary is as follows:
  o 243 suspected cases
  o 10 presumptive positives cases (IgM positive on serology)
  o 28 confirmed cases by RT-PCR
  o 34 deaths
  o 5 states affected
  o 42 LGAs affected

The National Yellow Fever technical working group (TWG) activated the national Incident Management System (IMS) to coordinate the response activities, on the 5th of September 2019.

• Epi Summary from week 27 – 38 September 2019:
  o Two hundred and forty-three (243) suspected cases have been reported in 42 LGAs in five states.
    ▪ Bauchi (84), Borno (82), Gombe (7), Kano (4) and Katsina (66) (see table 1 below)
  o Number of samples collected among suspected cases is 195 (8.2%)
  o Number of presumptive positives is 10 (IgM positive on serology) and one inconclusive was recorded (Borno-6, Kano-1, Katsina-3 and 1 inconclusive from Borno). All have been sent to Institut Pasteur Dakar (IP Dakar) for further testing.
  o A total of 28 (14.9%) cases have been confirmed in the Nigerian testing Laboratories using RT-PCR from:
    ▪ NCDC National Reference Laboratory Gaduwa -27; [Bauchi (20), Katsina (4), and Gombe (3)
      ▪ Lagos University Teaching Hospital -1; Kano (1)
  o A total of 34 deaths have been recorded among suspected cases- Bauchi (10), Kano (1), Katsina (23), with Case fatality rate (CFR) of 14.0%
## EPI- SUMMARY

Table 1: Showing All Affected States in the Bauchi Cluster of Yellow Fever outbreak in Nigeria as at Week 38, 18th September, 2019

<table>
<thead>
<tr>
<th>State</th>
<th>LGAs with suspected cases</th>
<th>LGAs with confirmed cases</th>
<th>Total Cases</th>
<th>Attack Rate Per 100,000 population</th>
<th>Suspected cases with Blood sample collected</th>
<th>Presumptive Positive in Nigeria</th>
<th>Positive cases from IP Dakar</th>
<th>Positive cases from PCR NG</th>
<th>Confirmed Positive (Dakar+NG)</th>
<th>Total Deaths</th>
<th>Deaths among presumptive positives</th>
<th>Deaths from among confirmed</th>
<th>CFR for all cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bauchi</td>
<td>6</td>
<td>1</td>
<td>84</td>
<td>1.2</td>
<td>58</td>
<td>0</td>
<td>20</td>
<td>20</td>
<td>10</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>11.9</td>
</tr>
<tr>
<td>Borno</td>
<td>15</td>
<td>0</td>
<td>82</td>
<td>1.3</td>
<td>82</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
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<tr>
<td>Gombe</td>
<td>1</td>
<td>1</td>
<td>7</td>
<td>0.2</td>
<td>7</td>
<td>0</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Kano</td>
<td>4</td>
<td>1</td>
<td>4</td>
<td>0.0</td>
<td>4</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
</tr>
<tr>
<td>Katsina</td>
<td>16</td>
<td>2</td>
<td>66</td>
<td>0.8</td>
<td>44</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>23</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>34.8</td>
</tr>
<tr>
<td>Total</td>
<td>42</td>
<td>5</td>
<td>243</td>
<td>0.6</td>
<td>195</td>
<td>10</td>
<td>28</td>
<td>28</td>
<td>34</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>14.0</td>
</tr>
</tbody>
</table>

**Figure 1: National YF epicurve and cases as at week 38, 18th September, 2019**
Figure 2: Bauchi State YF epicurve and cases by LGA as at Week 38, 18th September, 2019

Figure 3: Borno State YF epicurve and cases by LGA as at Week 38, 18th September, 2019

Figure 4: Katsina State YF epicurve and cases by LGA as at Week 38, 18th September, 2019
Figure 5: Kano State YF epicurve and cases by LGA as at Week 38, 18th September, 2019

Figure 6: Gombe State YF epicurve and cases by LGA as at Week 38, 18th September, 2019

Figure 7: Map of Bauchi and the adjoining States with Suspected /Presumptive/Confirmed Cases as at Week 38, 18th September, 2019