Situation Report of Cholera Outbreak in Borno State
No. 76: 20th November 2018
Borno State Ministry of Health

Highlights
• 12 additional suspected cases of cholera were reported on the 20th November 2018 in Borno State
• No death was reported

Epidemiological Summary
The total number of suspected cholera cases reported as at 20th November 2018 stands at 6,189 with 73 associated deaths, (CFR – 1.20%). 2371 in Jere, 1,507 in MMC, 340 in Magumeri, 34 in Kaga, 166 in Konduga, 136 in Chibok, 11 in Shani, 42 in Damboa, 1052 in Ngala, 91 in Askira-Uba, 161 in Kwaya-Kusar, 56 in Bama, 57 in Dikwa, 68 in Guzamala and 106 in Kalabalge LGAs. No additional case reported from Magumeri, Ngala, Askira/Uba, Kaga, Chibok, Dikwa, Shani, Damboa, Kwaya-Kusar and Bama LGAs.

Out of the 196 samples collected and tested in the State using RDTs, 161 (82%) were positive while 40 (44%) of 91 samples were culture positive.

<table>
<thead>
<tr>
<th>Cases</th>
<th>Jere</th>
<th>MMC</th>
<th>Magumeri</th>
<th>Konduga</th>
<th>Ngala</th>
<th>Askira-Uba</th>
<th>Bama</th>
<th>Dikwa</th>
<th>Guzamala</th>
<th>Kalabalge</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>New cholera suspected cases</td>
<td>3</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Cumulative cholera suspected cases</td>
<td>2371</td>
<td>1507</td>
<td>340</td>
<td>166</td>
<td>1052</td>
<td>91</td>
<td>56</td>
<td>57</td>
<td>68</td>
<td>104</td>
<td>*6189</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Deaths</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>New deaths</td>
<td>0</td>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Cumulative deaths</td>
<td>16</td>
<td>9</td>
<td>6</td>
<td>5</td>
<td>18</td>
<td>1</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>*73</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laboratory</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>Number of specimen Tested</td>
<td>46</td>
<td>30</td>
<td>12</td>
<td>9</td>
<td>14</td>
<td>4</td>
<td>6</td>
<td>16</td>
<td>9</td>
<td>5</td>
<td>*196</td>
</tr>
<tr>
<td>Specimen Positive RDT</td>
<td>42</td>
<td>24</td>
<td>9</td>
<td>7</td>
<td>14</td>
<td>4</td>
<td>6</td>
<td>13</td>
<td>7</td>
<td>5</td>
<td>*161</td>
</tr>
<tr>
<td>Specimen Positive Culture</td>
<td>14</td>
<td>7</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>2</td>
<td>*40</td>
</tr>
</tbody>
</table>

* Cumulative includes cases, deaths and samples tested from Chibok, Shani, Damboa, Kwayar-Kusar, Kaga LGAs with a total cumulative of 384 and have not reported a case in over 2 Weeks.
A total of 12 additional suspected cholera cases were reported from 3 LGAs (Jere, MMC and Kala/Balge) on the 20th of November 2018 showing a marginal decrease in the number of cases reported compared to the number of cases reported on the previous day (Fig 2a). 3 cases were reported from Jere (Fig 3), 7 from MMC (Fig 4) and 2 from Kala/Balge LGAs.

Figure 1: Map of Borno state showing affected LGAs in Borno State.

Figure 2a: Daily Epi-curve of cholera cases showing number of suspected cases in Borno state
Figure 2b: Weekly Epi-curve of suspected cholera cases in Borno state

Figure 3a: Daily Epi-curve of suspected cholera cases in Jere LGA

Figure 3b: Weekly Epi-curve of suspected cholera cases in Jere LGA

Figure 4a: Daily Epi-curve of suspected cholera cases in MMC

Figure 4b: Weekly Epi-curve of suspected cholera cases in MMC
Response

1. Surveillance

- Active case search continued in all affected locations. In Jere and MMC, State team supported by WHO conducted ACS in Jere and MMC. No suspected case was identified.
- The State team visited the GGSS Yerwa at about 10:45 am
- Assessed the sanitary situation of the school premises with the principal and her senior senior staffs including the clinic incharge to
- Inspected, investigated, reviewed the school clinic register
- Conducted health education for the students /staffs on personal hygiene and dangers of poor sanitation
- No case was found in the school
- WaSH partner chlorinated 3 more reservoirs within the school premises
- Health Education conducted for about 1,563 students including staffs
- State Team visited Dikwa low cost for ACS in the host community. No case was found

** Data set for the week 47, ending 25 Nov is not complete
• 58 women and children were sensitised on hygiene promotion
• Priority locations identified and communicated to WASH and risk communication teams are: Bolori I & II, Dala, Old Maiduguri, Mashamari all in Jere and MMC

2. Case management

<table>
<thead>
<tr>
<th></th>
<th>CTC Dala Jere</th>
<th>ORP EL-Misk in Jere</th>
<th>CTU Askira-Uba</th>
<th>CTC Dikwa</th>
<th>CTU Bolori MMC</th>
<th>CTU Dalaram Jere</th>
<th>CTC ISS IDP Camp Ngala</th>
<th>CTU Mungonu</th>
<th>CTU Mun a Jere</th>
<th>CTU Kwaya Kusar</th>
<th>CTU Rann</th>
<th>ORP Mas hamari Jere</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>New admissions</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Number on Admission</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>New Discharges</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

• The number of intervention sites are 25 at present. 3 CTC, 12 CTU and 9 ORPs, ORP ISS and Arabic Camp closed, CTU Zabarmari closed
• SMOH and WHO continue to support partners managing CTCs/CTU with medical supplies

3. WASH
• UNICEF, RUWASSA, IOM, Save the children International, Solidarites Internationales, Malteser, CIDAR, Mercy Corps, CRS, IMC, IRC, INTERSOS, FHI360, NRC, AAH, DRC, ZOA and other WaSH sector partners continue response activities in affected locations through hygiene promotion, disinfection of households and latrine dislodgement, chlorination of water points and water trucking
• Community Health Volunteers supported by WHO continue hygiene promotion and health education on hand washing and water purification, dangers of open defecation.

4. Social Mobilization
• Distribution of Cholera IEC materials, ORS and aquatabs is ongoing in identified hotspots.
• Islamiyya and Tsangaya school sensitization is ongoing in MMC and Jere
• Information vans continues public announcements on cholera prevention and control in Jere and MMC
• Radio messages ongoing in 3 languages (Hausa, Kanuri and English Languages) in 3 media houses within Borno
• Social media sensitization is ongoing, targeting users of Facebook, Twitter etc.

5. Coordination
• Public Health EOC continues coordination meetings of the cholera outbreak at state level to ensure a robust and effective coordination of the response activities.