CEREBROSPINAL MENINGITIS OUTBREAK IN NIGERIA

Highlights

- From 13th December, 2016 to 14th May, 2017, a total of 13,943 suspected cases and 1112 deaths (8%) of CSM have been reported from 24 States
- Of the 421 laboratory confirmed cases, 306 (72.7%) were Neisseria meningitidis serogroup C
- In the last four weeks (Epi-week 16-19), 42 Local Government Areas (LGAs) have reached alert/epidemic threshold in five States — Zamfara, Sokoto, Kano, Katsina and Yobe
- The first test ever of the Polymerase Chain Reaction (PCR) diagnosis of bacterial meningitis was successfully carried out at the new National Reference Laboratory in Gaduwa, Abuja
- Technical teams continue to provide coordination and support response activities in the most affected States
- 41,000 of ACW conjugate vaccines (10-dose vials) are expected to arrive Yobe State on 17th May, 2017 for vaccination campaign from 19th to 23rd May, 2017 (mop-up 24th to 25th May, 2017)

Epi summary

- The first case occurred in Zamfara State during Epidemiology Week 50 (December 12–18, 2016)
- A total of 13,943 cases with 1112 deaths (CFR=8.0%) have been reported
- Of the reported cases, 901 (6.5%) were laboratory tested; of which 421 (46.7%) were confirmed positive for bacterial meningitis
- Neisseria meningitides serogroup C remains the predominant (72.7%) cause of meningitis amongst those who tested positive
- The 5-14 year age group remains the most affected with a total of 6519 (46.8%) cases
- In the five most affected States — Zamfara, Sokoto, Katsina, Yobe and Kano — a total of 16 LGAs have reached the alert threshold and

Key Indicators

<table>
<thead>
<tr>
<th>Number</th>
<th>Total cases reported</th>
<th>Total Deaths</th>
<th>Confirmed cases</th>
<th>Total samples tested</th>
<th>States that have reported at least one suspected case</th>
<th>States with at least one LGA currently in Epidemic</th>
<th>States with at least one LGA currently in Alert</th>
<th>LGAs in Alert in the last four weeks (wk16 to wk19)</th>
<th>LGAs in Epidemic in the last four weeks (wk16 to wk19)</th>
<th>Cumulative LGAs ever in Epidemic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>13,943</td>
<td>1,112</td>
<td>421</td>
<td>901</td>
<td>24</td>
<td>4</td>
<td>6</td>
<td>16</td>
<td>26</td>
<td>34</td>
</tr>
</tbody>
</table>

Age Distribution of CSM Cases as at 15th May 2017
Epidemic Curves of CSM Outbreak in Nigeria as at 14th May, 2017

National

Number of Cases

Epid-Week

Wk-50  Wk-51  Wk-52  Wk-53  Wk-54  Wk-55  Wk-56  Wk-57  Wk-58  Wk-59  Wk-60  Wk-61  Wk-62  Wk-63  Wk-64  Wk-65  Wk-66  Wk-67  Wk-68  Wk-69

Alive  Dead

0  500  1000  1500  2000  2500
Distribution of CSM Cases as at 15-May-2017

- Affected: States = 24; LGAs = 221
- Suspected Cases = 13930
- Lab-confirmed Cases = 370

LGAs in Alert/Epid within last four Weeks (Wk16-19), 2017

- LGAs that crossed Alert Threshold = 16
- LGAs that crossed Epidemic threshold = 26
- # states affected = 5
LGAs in Alert/Epid within the last four Weeks (Wk16-19), 2017

Wk16, 2017
Alert (LGAs=15)
Epidemic (nLGAs=20)
# states affected=5

Wk17, 2017
Alert (LGAs=19)
Epidemic (nLGAs=16)
# states affected=5

Wk18, 2017
Alert (LGAs=9)
Epidemic (nLGAs=10)
# states affected=2

Wk19, 2017
Alert (LGAs=5)
Epidemic (nLGAs=2)
# states affected=2