A total of 105 events of public health importance including 32 deaths were reported.

Completeness and timeliness of health facility reports were 99.7% and 98%.

Ongoing Lassa fever outbreaks in 3 counties.

Measles outbreak in two counties.

### Reporting Coverage

#### Table 1. Health Facility Weekly IDSR Reporting Coverage, Liberia, Epi week 42, 2019

<table>
<thead>
<tr>
<th>County</th>
<th>Number of Expected Report from Health Facility</th>
<th>Number of Reports Received</th>
<th>Number Received on Time</th>
<th>Completeness (%)</th>
<th>Timeliness (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bomi</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Bong</td>
<td>57</td>
<td>57</td>
<td>57</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Gbarpolu</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Grand Bassa</td>
<td>34</td>
<td>34</td>
<td>34</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Grand Cape Mount</td>
<td>34</td>
<td>34</td>
<td>34</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Grand Gedeh</td>
<td>24</td>
<td>23</td>
<td>23</td>
<td>96</td>
<td>96</td>
</tr>
<tr>
<td>Grand Kru</td>
<td>19</td>
<td>19</td>
<td>17</td>
<td>100</td>
<td>89</td>
</tr>
<tr>
<td>Lofa</td>
<td>59</td>
<td>59</td>
<td>44</td>
<td>100</td>
<td>75</td>
</tr>
<tr>
<td>Margibi</td>
<td>59</td>
<td>59</td>
<td>59</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Maryland</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Montserratado</td>
<td>331</td>
<td>330</td>
<td>328</td>
<td>100</td>
<td>99</td>
</tr>
<tr>
<td>Nimba</td>
<td>83</td>
<td>83</td>
<td>83</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Rivercess</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>River Gee</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Sinoe</td>
<td>37</td>
<td>37</td>
<td>37</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Liberia</td>
<td>845</td>
<td>843</td>
<td>824</td>
<td>99.7</td>
<td>98</td>
</tr>
</tbody>
</table>

Legend:
- ≥80
- <80

- The national target for weekly IDSR reporting is 80%
- Health facility timeliness is monitored at District level
- 14 counties submitted weekly IDSR report to the national level on time
### Vaccine Preventable Diseases

#### Measles

- Twenty-three (23) suspected cases were reported from River Gee (5), Bong (6), Lofa (3), Grand Bassa (2), Grand Kru (2), Margibi (2), Grand Cape Mount (1) Sinoe (1) and Maryland (1) Counties
  - Fifteen (15) specimens were collected and tested, 8 positive while 7 negative
- Vaccination status among suspected cases
  - Vaccinated 7 (30.4%), not vaccinated- 0 and unknown 16 (69.5%)
- Age distribution among suspected cases:
  - <1 year: 0 (0%), 1 – 4 years: 2(9%), ≥5 years: 21(91%)
- Cumulatively, since Epi-week one, 1449 suspected cases have been recorded; Of these, 621 have been tested by the laboratory and results showed 218 positive, 388 negative and15 indeterminate
- Epi-classification is as follows: 1046 (72.1%) confirmed (218) lab confirmed, 746 clinically confirmed, 82 epi-linked, 388 (26.7%) negative, and 15 (1%) indeterminate
  - Cumulative vaccination status among lab confirmed: 79 (36.2%) vaccinated, 49 (22.4%) not vaccinated, 90 (41.2%) unknown
  - Age distribution among lab confirmed: <1 year: 15(6.8%), 1 – 4 years: 23(10.5%), ≥5 years: 180 (82.5%)
  - Of the 388 specimens tested negative for measles, 268 specimens were tested for rubella, as follows: 120 positive, 139 negative, 9 equivocal and 113 not tested

### Public Health Action

- Case Management, active case search, health education, and community engagement are ongoing in affected districts and communities

#### Table 2. Annualized Non-Measles Febrile Rash Illness Rate by Counties, Liberia, Epi-week 1 - 42, 2019

<table>
<thead>
<tr>
<th>Reporting County</th>
<th>Lab confirmed</th>
<th>Epi-linked</th>
<th>Clinically confirmed</th>
<th>Indeterminate (Equivocal)</th>
<th>Discarded (Negative)</th>
<th>Pending</th>
<th>Annualized Non-Measles Febrile Rash Illness Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bomi</td>
<td>11</td>
<td>0</td>
<td>13</td>
<td>1</td>
<td>16</td>
<td>0</td>
<td>41</td>
</tr>
<tr>
<td>Bong</td>
<td>18</td>
<td>0</td>
<td>36</td>
<td>2</td>
<td>17</td>
<td>0</td>
<td>73</td>
</tr>
<tr>
<td>Gbarpolu</td>
<td>5</td>
<td>21</td>
<td>54</td>
<td>0</td>
<td>6</td>
<td>0</td>
<td>86</td>
</tr>
<tr>
<td>Grand Bassa</td>
<td>3</td>
<td>2</td>
<td>59</td>
<td>2</td>
<td>18</td>
<td>0</td>
<td>84</td>
</tr>
<tr>
<td>Grand Cape Mount</td>
<td>1</td>
<td>0</td>
<td>7</td>
<td>0</td>
<td>16</td>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td>Grand Gedeh</td>
<td>23</td>
<td>14</td>
<td>18</td>
<td>0</td>
<td>22</td>
<td>0</td>
<td>77</td>
</tr>
<tr>
<td>Grand Kru</td>
<td>19</td>
<td>20</td>
<td>41</td>
<td>1</td>
<td>16</td>
<td>0</td>
<td>97</td>
</tr>
<tr>
<td>Lofa</td>
<td>15</td>
<td>0</td>
<td>97</td>
<td>0</td>
<td>24</td>
<td>0</td>
<td>136</td>
</tr>
<tr>
<td>Margibi</td>
<td>14</td>
<td>0</td>
<td>36</td>
<td>1</td>
<td>37</td>
<td>0</td>
<td>88</td>
</tr>
<tr>
<td>Maryland</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>Montserrado</td>
<td>16</td>
<td>4</td>
<td>83</td>
<td>2</td>
<td>86</td>
<td>0</td>
<td>191</td>
</tr>
<tr>
<td>Nimba</td>
<td>12</td>
<td>10</td>
<td>42</td>
<td>1</td>
<td>35</td>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>River Gee</td>
<td>50</td>
<td>0</td>
<td>67</td>
<td>1</td>
<td>32</td>
<td>0</td>
<td>150</td>
</tr>
<tr>
<td>Rivercess</td>
<td>15</td>
<td>11</td>
<td>54</td>
<td>3</td>
<td>48</td>
<td>0</td>
<td>131</td>
</tr>
<tr>
<td>Sinoe</td>
<td>16</td>
<td>0</td>
<td>138</td>
<td>2</td>
<td>11</td>
<td>0</td>
<td>167</td>
</tr>
</tbody>
</table>

| Total            | 218           | 82         | 749                  | 16                       | 387                  | 0       | 1452                                         |

**Target Achieved**

![>=2](green)  ![<2](red)
Figure 2. Cumulative Epi-classification Measles Cases by Reporting weeks, Liberia, Epi-week 1 - 42, 2019

Figure 3. Cumulative Confirmed Measles Cases Reported by Health District, Liberia, Epi-week 1 - 42, 2019
Acute Flaccid Paralysis (Suspected Polio)

- Zero case reported
- Cumulatively, since Epi week one, 56 cases have been recorded:
  - Proportion of cases reported with sample collected and tested is 96.4%
  - Laboratory confirmed (+) zero

Neonatal Tetanus

- One case reported from Grand Bassa County
- Cumulatively, since Epi-week one, 29 clinically diagnosed cases have been recorded:
  - Attributable deaths 25% (n=7)

Viral Hemorrhagic Diseases

Ebola Virus Disease (EVD)

- One alert (death) reported from Lofa County
- Specimen was collected and tested negative
- Cumulatively, since Epi-week one, 14 EVD alerts have been recorded and all tested negative

Lassa fever

- Three (3) suspected cases were reported from Margibi (1 death), Nimba and Bong Counties
  - Specimens were collected and tested, one (1) positive and two (2) negative
- Cumulatively, since Epi-week one, 121 suspected cases have been recorded:
  - Proportion of suspected cases reported with sample collected 96.6% (n=117)
  - Proportion of suspected cases with specimens tested 82% (n=96)
  - Laboratory confirmed 28.9% (n=33)
  - Case fatality in confirmed cases is 33.3% (11/33)
  - Epi-classification is as follows: 33 positive, 62 negative, 4 pending laboratory confirmation and 24 suspected

Figure 4. Cumulative Epi-classification of Lassa fever cases by Reporting weeks, Liberia, Epi-week 1 - 42, 2019
Figure 5. Cumulative Confirmed Lassa fever Cases Reported by County, Liberia, 2016 - 2019

Yellow fever
- Four (4) suspected cases were reported from Grand Bassa, Grand Gedeh, Lofa and Nimba Counties
  - Specimens were collected, two (2) tested negative and two (2) pending testing
- Cumulatively, since Epi-week one, 97 suspected cases have been recorded:
  - Zero laboratory confirmed
  - Proportion of suspected cases reported with sample collected and tested is 90.7% (n=88)
  - Seven suspected cases with zero attributable death and 4 pending confirmation

Dengue fever
- Zero case was reported
- Cumulatively, since Epi-week one, 1 suspected case has been recorded

Meningitis
- One (1) suspected case was reported from Nimba County
- No specimen collected
- Cumulatively, since Epi-week one, 49 suspected cases have been recorded
  - 41 tested negative and one (1) pending laboratory confirmation
  - Specimens were not collected from Gbarpolu (2), Nimba (2), Lofa, Maryland, and Montserrado Counties, one each

Events of Public Health Importance

Maternal Mortality
Eight (8) deaths were reported from Montserrado (3), Lofa (2), and one each from Bomi, Grand Cape Mount, and Grand Gedeh Counties

Cause of death: Severe Anemia (3), PPH(2), Sepsis (1), Eclampsia (1) and one pending investigation

Reporting sites: health facilities 5 (62.5%) and community 3 (37.5%)

Cumulatively, since Epi-week one, 242 maternal deaths have been recorded and the major attributable causes are: postpartum hemorrhage 105 (43.4%), eclampsia 33 (13.6%), and Sepsis 28 (11.6%)

Table 3. Annualized and Cumulative Maternal Death Reported by County, Liberia, Epi-week 1 - 42, 2019

<table>
<thead>
<tr>
<th>County</th>
<th>Estimated Annual Live birth (4.3%)</th>
<th>Current Week</th>
<th>Cumulative</th>
<th>% of Cumulative Maternal deaths</th>
<th>Annualized Maternal Mortality Ratio/100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maryland</td>
<td>7347</td>
<td>0</td>
<td>14</td>
<td>6</td>
<td>236</td>
</tr>
<tr>
<td>Bong</td>
<td>18775</td>
<td>0</td>
<td>34</td>
<td>14</td>
<td>224</td>
</tr>
<tr>
<td>Grand Gedeh</td>
<td>6770</td>
<td>1</td>
<td>12</td>
<td>5</td>
<td>219</td>
</tr>
<tr>
<td>Margibi</td>
<td>11345</td>
<td>0</td>
<td>17</td>
<td>7</td>
<td>186</td>
</tr>
<tr>
<td>Sinoe</td>
<td>5534</td>
<td>0</td>
<td>8</td>
<td>3</td>
<td>179</td>
</tr>
<tr>
<td>Montserrado</td>
<td>62479</td>
<td>3</td>
<td>81</td>
<td>33</td>
<td>161</td>
</tr>
<tr>
<td>Nimba</td>
<td>24970</td>
<td>0</td>
<td>31</td>
<td>13</td>
<td>154</td>
</tr>
<tr>
<td>Bomi</td>
<td>4546</td>
<td>1</td>
<td>6</td>
<td>2</td>
<td>163</td>
</tr>
<tr>
<td>Rivercess</td>
<td>3865</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>128</td>
</tr>
<tr>
<td>Grand Kru</td>
<td>3130</td>
<td>0</td>
<td>3</td>
<td>1</td>
<td>119</td>
</tr>
<tr>
<td>Gbarpolu</td>
<td>4507</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>110</td>
</tr>
<tr>
<td>Grand Cape Mount</td>
<td>6868</td>
<td>1</td>
<td>7</td>
<td>3</td>
<td>126</td>
</tr>
<tr>
<td>Grand Bassa</td>
<td>11981</td>
<td>0</td>
<td>9</td>
<td>4</td>
<td>93</td>
</tr>
<tr>
<td>River Gee</td>
<td>3610</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>69</td>
</tr>
<tr>
<td>Lofa</td>
<td>14911</td>
<td>2</td>
<td>10</td>
<td>4</td>
<td>83</td>
</tr>
<tr>
<td>Liberia (National)</td>
<td>190636</td>
<td>8</td>
<td>242</td>
<td>4</td>
<td>157</td>
</tr>
</tbody>
</table>

Neonatal Mortality

Twenty-two (22) deaths were reported from Montserrado (9), Maryland (6), Grand Gedeh (2), Lofa (2), Grand Kru (1), Bong (1), and River Gee (1) Counties

Causes of deaths: Asphyxia (9), preterm (6) Sepsis (6), and hypothermia (1)

Reporting sites: health facilities 18 (82%) and Community 4 (18%)

Cumulatively, since Epi-week one, 609 neonatal deaths have been reported (See Table 4) and the major attributable causes are: asphyxia 304 (50%), sepsis 207 (34%) and preterm 48 (12%)

Table 4. Annualized and Cumulative Neonatal Death Reported by County, Liberia, Epi-week 1 – 42, 2019

<table>
<thead>
<tr>
<th>County</th>
<th>Estimated Annual Live birth (4.3%)</th>
<th>Current Week</th>
<th>Cumulative</th>
<th>% of Cumulative Neonatal deaths</th>
<th>Annualized Neonatal Mortality Rate/1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grand Kru</td>
<td>3130</td>
<td>1</td>
<td>30</td>
<td>5</td>
<td>11.9</td>
</tr>
</tbody>
</table>
Liberia IDSR Epidemiology Bulletin
2019 Epi-week 42 (October 14 –20, 2019)

<table>
<thead>
<tr>
<th>District</th>
<th>Population</th>
<th>Deaths</th>
<th>Cases</th>
<th>Cases/100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grand Gdedeh</td>
<td>6770</td>
<td>2</td>
<td>34</td>
<td>5.5</td>
</tr>
<tr>
<td>Maryland</td>
<td>7347</td>
<td>6</td>
<td>34</td>
<td>4.6</td>
</tr>
<tr>
<td>Montserrado</td>
<td>62479</td>
<td>9</td>
<td>263</td>
<td>4.2</td>
</tr>
<tr>
<td>River Gee</td>
<td>3610</td>
<td>1</td>
<td>15</td>
<td>2.1</td>
</tr>
<tr>
<td>Margibi</td>
<td>11345</td>
<td>0</td>
<td>41</td>
<td>3.7</td>
</tr>
<tr>
<td>Gbarpolu</td>
<td>4507</td>
<td>0</td>
<td>16</td>
<td>3.6</td>
</tr>
<tr>
<td>Bong</td>
<td>18775</td>
<td>1</td>
<td>65</td>
<td>3.5</td>
</tr>
<tr>
<td>Rivercess</td>
<td>3865</td>
<td>0</td>
<td>12</td>
<td>3.2</td>
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<td>Sinoe</td>
<td>5534</td>
<td>0</td>
<td>13</td>
<td>2.7</td>
</tr>
<tr>
<td>Lofa</td>
<td>14911</td>
<td>2</td>
<td>28</td>
<td>2.1</td>
</tr>
<tr>
<td>Nimba</td>
<td>24970</td>
<td>0</td>
<td>44</td>
<td>2.2</td>
</tr>
<tr>
<td>Bomi</td>
<td>4546</td>
<td>0</td>
<td>6</td>
<td>1.7</td>
</tr>
<tr>
<td>Grand Bassa</td>
<td>11981</td>
<td>0</td>
<td>5</td>
<td>0.6</td>
</tr>
<tr>
<td>Grand Cape Mount</td>
<td>6868</td>
<td>0</td>
<td>2</td>
<td>0.3</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Liberia (National)</th>
<th>Population</th>
<th>Deaths</th>
<th>Cases</th>
<th>Cases/100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>190636</td>
<td>22</td>
<td>608</td>
<td>3.9</td>
</tr>
</tbody>
</table>

**Other Reportable Diseases**

**Animal Bites (Human Exposure to Rabies)**
- Thirty-three (33) cases were reported from Montserrado (8), Nimba (4), Bong (4) Grand Kru (3), Margibi (3), Rivercess (3), Grand Bassa (2), Grand Cape Mount (2), one each from Bomi, Grand Gdeh, Maryland, and River Gee Counties.
- Cumulatively, since Epi-week one, 1455 cases of animal bites have been recorded including five attributable deaths

**Monkeypox**
- Zero case was reported
- Cumulatively, since Epi week one, 53 suspected cases have been reported and 12 specimens have been shipped to Atlanta for confirmation

**Acute Bloody Diarrhea (Suspected Shigellosis)**
- Seven (7) cases were reported from Grand Gdeh (2), River Gee (2), and one each from Grand Cape Mount, Bong, and Montserrado Counties
  - Five(5) specimens were collected and pending laboratory confirmation
- Cumulatively, since Epi-week one, 241 acute bloody diarrhea cases have been recorded with144stool specimens collected and 90 tested. Result: 13 positive, 77 negative

**Severe Watery Diarrhea (Cholera)**
- Two (2) suspected cases were reported from Grand Bassa and Grand Kru Counties
- One specimen was collected from Grand Bassa County and pending laboratory confirmation
- Cumulatively, since Epi-week one, 103 suspected cases have been recorded with 52 specimens collected, 51 tested negative and one pending laboratory confirmation

**Unexplained Cluster of Health Events**
- Zero unexplained death was reported
- Cumulatively, since Epi-week one, 13 cases of unexplained death has been reported
Points of Entry

- Zero IDSR alert detected and verified
- A total of 4505 travelers were recorded for the week (See Table 5)

### Table 5. Total Travelers, IDSR Alerts Detected and Verified at Points of Entry, Liberia, Epi-week 42, 2019

<table>
<thead>
<tr>
<th>Type of Ports</th>
<th>Point of Entry</th>
<th>Weekly total</th>
<th>Arrival</th>
<th>Departure</th>
<th>Yellow Book Issued</th>
<th>Yellow Book Damage/Card Replaced</th>
<th>Travelers Vaccinated</th>
<th>IDSR Alerts</th>
<th>Alerts Verified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Airport</strong></td>
<td>James S. Paynes</td>
<td>125</td>
<td>78</td>
<td>47</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Robert International Airport</td>
<td>3246</td>
<td>1566</td>
<td>1680</td>
<td>45</td>
<td>33</td>
<td>12</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Freeport of Monrovia</td>
<td>208</td>
<td>104</td>
<td>104</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Seaport</strong></td>
<td>Buchanan Port</td>
<td>70</td>
<td>35</td>
<td>35</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Ground Crossing</strong></td>
<td>Bo Water Side</td>
<td>466</td>
<td>162</td>
<td>304</td>
<td>24</td>
<td>24</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Ganta</td>
<td>246</td>
<td>0</td>
<td>265</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Yekepa</td>
<td>55</td>
<td>40</td>
<td>15</td>
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*Note: Yellow book issue for both arrival and departure; Vaccination coverage for both arrival and departure*

**AFRO Public Health Events**

The National Public Health Institute of Liberia continues to monitor acute public health emergencies and outbreaks occurring in the African Region in order to ensure preparedness and preventive measures are implemented.
During this week, 72 ongoing events are being monitored through WHO Health Emergencies Program in the African Region. Key events highlighted during the week include the following:

- Measles outbreak in Ethiopia
- Humanitarian crisis in North East Nigeria
- Ebola virus disease in Democratic Republic of the Congo
- Circulating vaccine derived polio virus type 2 (cVDPV₂) outbreak in Zambia

**Public Health Measures**

**National level**
- Providing technical remote support to Counties
- Heighten surveillance in affected and surrounding communities
  - WHO brought in Country 375 doses of RIBAVARIN from Sierra Leone to be pre-positioned in seven Counties
  - Over 3000 dogs vaccinated during WORLD RABIES DAY (September 28, 2019) in three counties (Montserrado, Lofa and Margibi)
  - There is No Human Rabies Vaccine in Country to provide post exposure prophylaxis
- **ACTION! ACTION! ACTION!**

**County level**
- Case management for all reported cases ongoing
- Active case searches ongoing in affected communities for Measles and Lassa fever
Outbreaks

Lassa fever outbreak in A&B District, Grand Bassa County

Grand Bassa County

♦ No new case or contacts reported as of October 24
♦ Four confirmed cases report as of 22-August
♦ 3 confirmed cases alive have recovered and discharged
♦ 1 confirmed death

Margibi County

♦ No new case seen as of October 24
♦ 1 confirmed death
♦ Total of 47 contacts have been line listed.
♦ 32/47 (68%) Health Care Workers
♦ 15/47 (32%) Family and Community Members

Bong County

♦ No new case reported as of October 24, 2019
♦ Six confirmed cases reported as of 22-August
  o 4 confirmed cases alive have recovered and discharged
  o 1 confirmed case escaped from treatment unit
  o 1 confirmed death
♦ Total of 125 contacts line listed
  o 42 health care workers
  o 45 family members
  o 13 community members
  o 25 are patient who are contacts to the index case
  o All contacts completed 21 days

Measles Outbreaks in Foya District, Lofa County

♦ Two suspected cases reported for current week
♦ Total of 24 suspected cases recorded including 3 Lab confirmed
♦ A nationwide measles campaign was conducted from Sept.11-14, 2019
♦ 2019 routine vaccination coverage 90.2%

Measles outbreak in Kpai District, Bong County

♦ Six suspected cases reported for current week
♦ Total of 18 suspected cases recorded including 4 lab confirmed
♦ One week ring immunization ongoing from Oct. 21-27, 2019 in affected communities (Bong County)

Public Health Actions

♦ All reported cases were treated and discharged
♦ Active case search and community engagement ongoing in affected and surrounding communities
Notes

- **Completeness** refers to the proportion of expected weekly IDSR reports received (target: ≥80%)
- **Timeliness** refers to the proportion of expected weekly IDSR reports received by the next level on time (target: ≥80%). Time requirement for weekly IDSR reports:
  - Health facility - required on or before 5:00pm every Saturday to the district level
  - Health district - required on or before 5:00pm every Sunday to the county level
  - County - required on or before 5:00pm every Monday to the national level
- **Non-polio AFP rate** is the proportion of non-polio AFP cases per 100,000 among the estimated population under 15 years of age in 2017 (annual target: ≥2/100,000)
- **Non-measles febrile rash illness rate** refers to the proportion of Negative measles cases per 100,000 population
- **Annualized maternal mortality rate** refers to the maternal mortality rate of a given period less than one year and it is the number of maternal deaths per 100,000 live births
- **Annualized neonatal mortality rate** refers to the neonatal mortality ratio of a given period less than one year and it is the number of neonatal deaths per 1,000 live births
- **Epi-linked** refers to any suspected case that has not had a specimen taken for serologic confirmation but is linked to a laboratory confirmed case
- **Confirmed case** refers to a case whose specimen has tested positive or reactive upon laboratory testing, or has been classified as confirmed by either epidemiologic linkage with a confirmed case, or clinical compatibility with the disease or condition
- **Case Fatality Rate (CFR)** is the proportion of deaths among confirmed cases
## Appendix 1: Summary of immediately reportable diseases, conditions, and events by County during Epi week 42 and cumulative report, Liberia, 2019

<table>
<thead>
<tr>
<th>Counties</th>
<th>No. of Expected Health Districts</th>
<th>No. of Health District Reported</th>
<th>Acute Flaccid Paralysis (Suspected Polio)</th>
<th>Acute Bloody Diarrhoea (Shigellosis)</th>
<th>Severe Acute Watery Diarrhoea (Cholera)</th>
<th>Lassa fever</th>
<th>Measles</th>
<th>Meningitis</th>
<th>Maternal Mortality</th>
<th>Neonatal Mortality</th>
<th>Neonatal Tetanus</th>
<th>Ebola Virus Disease</th>
<th>Yellow fever</th>
<th>Monkeypox</th>
<th>Dengue fever</th>
<th>Buruli Ulcer</th>
<th>MDR Tuberculosis</th>
<th>Yaws</th>
<th>Unexplained Cluster of deaths</th>
<th>Unexplained Cluster of Health Events/Disease</th>
<th>Other Diseases/Events</th>
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**D** = Dead  
**A** = Alive
For comments or questions, please contact

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