Figure 1: Public Health Events Reported during this week

Keynotes and Events of Public Health Significance

- A total of 58 events of public health importance including 11 deaths were reported

- Completeness and timeliness of health facility reports were both 100%

- Ongoing Lassa fever outbreaks in five counties

Reporting Coverage

Table 1: Health Facility Weekly DSR Reporting Coverage, Liberia, Epi week 1, 2020

<table>
<thead>
<tr>
<th>County</th>
<th>Number of Expected Report from Health Facility</th>
<th>Number of Reports Received</th>
<th>Number of Reports Received on Time</th>
<th>Completeness (%)</th>
<th>Timeliness (%)</th>
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Legend:
- The national target for weekly IDSR reporting is 80%
- Health facility timeliness is monitored at District level
- All fifteen counties submitted their weekly IDSR report to the national level on time
Vaccine Preventable Diseases

Measles
- Eleven (11) suspected cases were reported from Montserrado (4), River Gee (2), Lofa (1), Grand Gedeh (1), Sinoe (1), Grand Bassa (1) and Rivercess (1) Counties
- Nine (9) specimens were collected, 8 tested and 1 pending laboratory confirmation
  - Two (2) positive and 6 negative
- Vaccination status among suspected cases
  - Vaccinated 10 (91%) and not vaccinated 1 (9%)
- Age distribution among suspected cases:
  - <1 year: 4 (36%), 1 – 4 years: 1 (9%), ≥5 years: 6 (55%)

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

Acute Flaccid Paralysis (Suspected Polio)
- Zero case was reported

Neonatal Tetanus
- Zero case was reported

Viral Hemorrhagic Diseases

Ebola Virus Disease (EVD)
- Zero alert reported

Lassa fever
- Nine (9) suspected cases were reported from Grand Bassa (5), Bong (2), Montserrado (1) and Nimba (1) Counties
  - Nine (9) specimens were collected and tested with 2 positive and 7 negative

Yellow fever
- Two (2) suspected cases reported from River Gee and Grand Bassa Counties
  - Specimens were collected with 1 tested negative and 1 pending confirmation

Monkeypox
- Zero case was reported

Dengue fever
- Zero case was reported

Meningitis
- One case reported from Grand Kru
  - Specimen was collected and tested positive
Events of Public Health Importance

Maternal Mortality
- Three (3) deaths were reported from Montserrado (2), and Maryland (1) Counties
- Causes of deaths: sepsis (2) and postpartum hemorrhage
- Reporting site: Health facilities 3 (100%)

Neonatal Mortality
- Six (6) deaths were reported from Maryland (4), Montserrado (1) and Margibi (1) Counties
- Causes of deaths: asphyxia (4), and sepsis (2)
- Reporting sites: Health facilities 6 (100%)

Other Reportable Diseases

Animal Bites (Human Exposure to Rabies)
- Twenty (20) cases reported from Maryland (4), Grand Gedeh (3), Nimba (3), Bong (2), Margibi (2), Montserrado (2), Grand Kru (1), Grand Bassa (1), Rivercess (1), and Lofa (1) Counties

Acute Bloody Diarrhea (Suspected Shigellosis)
- Three (3) cases reported from Sinoe County
  - One specimen collected and tested negative

Severe Watery Diarrhea (Cholera)
- Three (3) cases reported from Grand Bassa, Montserrado, and Nimba Counties
  - Three specimens collected and all tested negative

Unexplained Cluster of Health Events
- Zero unexplained death was reported

Points of Entry
- Zero IDSR alert detected and verified across the points of entry
- A total of 4070 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 1, 2020

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<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</th>
<th>Card Replaced</th>
<th>Travelers Vaccinated</th>
<th>Alerts Verified</th>
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<td>Total Traveler for the Week</td>
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</table>

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, 67 ongoing events are being monitored through WHO Health Emergencies Program in the African Region. Key events highlighted during the week include the following:

- Ebola virus disease in Democratic Republic of the Congo
- Cholera in Democratic Republic of the Congo
- Humanitarian crisis in Burkina Faso.

Public Health Measures

National level
- Providing technical, logistical and financial support to counties
  - Heighten surveillance in affected and surrounding communities
- Publishing situational reports to inform stakeholders

County level
- Publication of situational reports to inform stakeholders
- Active case search ongoing in affected and surrounding communities
- Contact tracing, health education, and community engagement ongoing in affected communities
- Case management ongoing for isolated cases

Outbreaks

Lassa fever

**District 3A & B, Grand Bassa County**
- One new confirmed case reported on 2 January 2020
  - A total of 11 contacts line listed and follow up
  - Two confirmed cases currently in isolation
- Since August 22, 2019, 14 confirmed cases including 1 death have been reported
- Since January 2019 to date, 19 confirmed cases have been recorded
  - 16 alive
  - 3 confirmed deaths (CFR = 15.7%)

Jorquelleh District, Bong County
- One confirmed death reported on 8 January 2020
  - 11 contacts line listed including 7 HCWs under follow-up
  - Case expired 6 January, 2020
- Since August 22, 2019, 9 confirmed cases including 4 deaths have been reported
- Since January 2019 to date, 17 confirmed cases have been reported
  - 7 confirmed deaths (CFR = 41.1%)
Commonwealth District, Montserrado County:
- One new confirmed case reported on 6 January 2019
  - Confirmed case still in isolation
  - Thirty-seven contacts line listed and follow up
  - Since November 2019 to date, 3 confirmed cases (1 alive, 2 dead) have been reported
  - Total 76 contacts line listed and follow up
  - CFR = 66.6%

Kakata District, Margibi County
- No new confirmed case
- High risk contact was confirmed positive in Montserrado County
- Six contacts line listed and follow up (3 high risk, 2 low risk and 1 no risk)

Voinjama District, Lofa
- One confirmed death reported January 8, 2019
  - Case expired 6 January 2020
  - 14 contacts line listed and follow up
    - 8 high risk (4 HWs & 4 Family members)
    - 6 low risk
  - Since December 2019 to date, 2 confirmed cases reported
  - CRF: 100%

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 1 report, Liberia, 2020

<table>
<thead>
<tr>
<th>Counties</th>
<th>No. of Health District Reported</th>
<th>Acute Flaccid Paralysis</th>
<th>Acute Bloody Diarrhoea (Shigellosis)</th>
<th>Severe Acute Watery Diarrhoea (Cholera)</th>
<th>Human Exposure to Animal Bites (Suspected Rabies)</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
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To prevent and control public health threats by promoting healthy outcomes and serving as a source of knowledge

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