South Sudan

Integrated Disease surveillance and response (IDSR)

Epidemiological Bulletin Week 29 of 2020 (July 13- July 19)
In week 29, 2020 IDSR reporting completeness was 91% and timeliness was 71% at health facility level. EWARN reporting completeness was 85% and timeliness was 69%.

Of the 109 alerts in week 29, 2020; 75% were verified 0% were risk assessed and 0% required a response. Malaria (36), AWD (26), ARI (14), measles (1) and bloody diarrhea (22) were the most frequent alerts in week 29, 2020.

A total of 789 COVID-19 alerts have been investigated with 645 (81.7%) being verified.

Total of 2286 COVID-19 confirmed cases and 45 deaths, CFR of 2%.
SURVEILLANCE PERFORMANCE

For the Integrated Disease Surveillance (IDSR) network and Early warning alert and response network (EWARN)
The timeliness of IDSR reporting (supported by EWARS mobile) at health facility level was 71% and completeness was 91%. All states except Jonglei were above the target of 80% with highest reporting rate in WES with completeness of 100%.

<table>
<thead>
<tr>
<th>Completeness States</th>
<th>States</th>
<th>Supporting Partners</th>
<th>Total No. of Functional Health Facilities in the State</th>
<th>No. of HFs Reported on Time</th>
<th>Timeliness Percentage</th>
<th>No. of HFs Reported regardless of Time</th>
<th>Completeness Percentage</th>
</tr>
</thead>
<tbody>
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<td>WES</td>
<td>AMREF, World Vision, CUAMM, CDTY, OPEN</td>
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<td>158</td>
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<tr>
<td>2nd</td>
<td>Warrap</td>
<td>GOAL, CCM, WVII, Malaria Consortium, UNKEA, Save the Children, MSF</td>
<td>120</td>
<td>105</td>
<td>88% (red)</td>
<td>115</td>
<td>96% (green)</td>
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<tr>
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<td>46% (red)</td>
<td>108</td>
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</tr>
<tr>
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<td>HLSS, SSUHA, Healthnet TPO, IHO, GOAL, TRI-SS, THESO</td>
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<td>102</td>
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<td>Nile Hope, MDM, JDF, Livewell, CMD, HFO, EDA, CRADA, Malaria Consortium, CMA</td>
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<tr>
<td>South Sudan</td>
<td></td>
<td></td>
<td>1271</td>
<td>900</td>
<td>71% (yellow)</td>
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**KEY**

- Green: <60%
- Yellow: 61%-79%
- Orange: 80%-99%
- Red: 100%

- Poor
- Fair
- Good
- Excellent
### IDSR timeliness & completeness performance at county level for week 29 of 2020

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<tr>
<th>STATE</th>
<th>COUNTY</th>
<th>SUPPORTING PARTNER</th>
<th>Total No. of Functional Health Facilities in the County</th>
<th>No. of HFs Reported on Time</th>
<th>Timeliness Percentage</th>
<th>No. of HFs Reported regardless of time</th>
<th>Completeness Percentage</th>
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<td>Timeliness Percentage</td>
<td>No. of HF's Reported regardless of time</td>
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<td>WVI,RI,Sarantans</td>
<td>10</td>
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<td>69%</td>
<td>16</td>
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</tr>
<tr>
<td>Upper Nile</td>
<td>Upper Nile</td>
<td>Moolut</td>
<td>8</td>
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</tr>
<tr>
<td>Upper Nile</td>
<td>Moolut</td>
<td>GOAL</td>
<td>26</td>
<td>18</td>
<td>73%</td>
<td>25</td>
<td>96%</td>
</tr>
<tr>
<td>Upper Nile</td>
<td>Upper Nile</td>
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<td>29</td>
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<tr>
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<td>Upper Nile</td>
<td>GOAL</td>
<td>15</td>
<td>14</td>
<td>93%</td>
<td>14</td>
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</tr>
<tr>
<td>Upper Nile</td>
<td>Upper Nile</td>
<td>GOAL</td>
<td>14</td>
<td>12</td>
<td>86%</td>
<td>13</td>
<td>93%</td>
</tr>
<tr>
<td>Warrap</td>
<td>Abyei</td>
<td>AAA,Save the Children,MSF</td>
<td>10</td>
<td>6</td>
<td>60%</td>
<td>9</td>
<td>90%</td>
</tr>
<tr>
<td>Upper Nile</td>
<td>Malal</td>
<td>IMC</td>
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<td>25%</td>
<td>7</td>
<td>86%</td>
</tr>
<tr>
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<td>Rerk</td>
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<td>12</td>
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<td>12</td>
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<td>Atoke</td>
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<td>60%</td>
</tr>
<tr>
<td>Upper Nile</td>
<td>Lusakpinyi Nasir</td>
<td>UNICEF,RI</td>
<td>28</td>
<td>14</td>
<td>54%</td>
<td>15</td>
<td>54%</td>
</tr>
<tr>
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<td>Utang</td>
<td>UNICEF,RI</td>
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<td>8</td>
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<td>8</td>
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</tr>
<tr>
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<td>Wekuru</td>
<td>RI</td>
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<td>2</td>
<td>20%</td>
<td>5</td>
<td>50%</td>
</tr>
<tr>
<td>Upper Nile</td>
<td>Wekuru</td>
<td>IMC</td>
<td>5</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Upper Nile</td>
<td>Panyang</td>
<td>IMC</td>
<td>4</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>
### Surveillance: EWARS performance indicator by partner for week 29 of 2020

<table>
<thead>
<tr>
<th>Partner</th>
<th>HFs # OF SITES</th>
<th># of reports received on Time</th>
<th>No. of HFs Reported regardless of time</th>
<th>Timeliness</th>
<th>Completeness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medair</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>IMC</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>World Relief</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>CMD</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>IRC</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>RHS</td>
<td>1</td>
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<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>THESO</td>
<td>1</td>
<td>1</td>
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<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>IOM</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>HFO</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>MSF-E</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>67%</td>
<td>100%</td>
</tr>
<tr>
<td>MDM</td>
<td>10</td>
<td>5</td>
<td>10</td>
<td>50%</td>
<td>100%</td>
</tr>
<tr>
<td>GOAL</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td>TRI-SS</td>
<td>2</td>
<td>0</td>
<td>2</td>
<td>0%</td>
<td>100%</td>
</tr>
<tr>
<td>IMA</td>
<td>9</td>
<td>8</td>
<td>8</td>
<td>89%</td>
<td>89%</td>
</tr>
<tr>
<td>MSF-H</td>
<td>5</td>
<td>3</td>
<td>3</td>
<td>60%</td>
<td>60%</td>
</tr>
<tr>
<td>UNIDOR</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>50%</td>
<td>50%</td>
</tr>
<tr>
<td>SMC</td>
<td>6</td>
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<td>1</td>
<td>17%</td>
<td>17%</td>
</tr>
<tr>
<td>UNH</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>71</strong></td>
<td><strong>49</strong></td>
<td><strong>60</strong></td>
<td><strong>69%</strong></td>
<td><strong>85%</strong></td>
</tr>
</tbody>
</table>

Completeness was 85% and timeliness was 69% for weekly reporting in week 29, 2020 for partner-supported clinics serving IDP sites.
EVENT-BASED SURVEILLANCE

Alert management including detection; reporting; verification; risk assessment; & risk characterization
### Alert by disease and hubs in week 29 of 2020

A total of 109 events specific alerts generated by state

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>CES</td>
<td>1</td>
<td>4</td>
<td>1</td>
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<td>1</td>
<td>1</td>
<td>1</td>
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<td>6</td>
</tr>
<tr>
<td>EES</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>Jonglei</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
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<td>1</td>
<td>3</td>
</tr>
<tr>
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<td>1</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Unity</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Upper Nile</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>Warrap</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>WBGZ</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>WES</td>
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<td>9</td>
<td>3</td>
<td>19</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>14</td>
<td>26</td>
<td>22</td>
<td>36</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>109</td>
</tr>
</tbody>
</table>

**During this week:**

- **14 ARI alert:** 3 are undergoing verification and 11 under monitoring
- **1 AJS alert:** State RRT was deployed, samples were collected and shipped to Juba
- **26 AWD alert:** 8 are undergoing verification and 18 under monitoring
- **22 ABD:** 6 are undergoing verification and 16 under monitoring
- **36 Malaria alerts:** 14 are undergoing verification and 22 under monitoring
- **1 Measles alert:** under monitoring
- **3 PoE COVID EVD alert:** 2 are undergoing verification and 1 under monitoring
- **4 COVID-19 alert:** all are under monitoring
- **1 Neonatal Tetanus alert:** under monitoring
- **1 Yellow fever alert:** RRT was deployed, samples were collected and shipped for testing
SUSPECTED OUTBREAKS

Major suspected outbreaks in South Sudan in 2020
Malaria was the leading cause of morbidity and mortality, accounting for 57.8% of all morbidities and 53.3% of all mortalities in week 16, 2020.

There is 4 Counties with malaria trends that exceeded the threshold (third quartile of trends for the period 2013-2017) and these include the following 8 counties:

- WBGz state *(Wau, Raja)*
- Warrap State *(Tonj North, Twic Mayardit)*
- Jonglei State *(Bor)*
- Unity State *(Rubkona)*
- Upper Nile *(Melut)*
In week 7, 2019, South Sudan started case-based surveillance for Influenza Like Illness (ILI) and Severe Acute Respiratory Infection (SARI) cases through systematic collection of epidemiological and virological information.

There are currently 45 designated sentinel surveillance sites in Juba that are collecting epidemiological data and samples from ILI/SARI cases.

In 2019, a total of 309 ILI/SARI samples have been collected and tested in UVRI 228 being negative; 6 positive for Influenza B (Victoria); 13 positive for Influenza A (H3); and 12 positive for Influenza A (H1)pdm09 and (50) samples are pending test results.

In week 29 of 2020 the sentinel sites collected 2634 samples and are being tested in country, 2108 samples tested negative for COVID-19, 198 samples tested positive for COVID-19 and 328 samples are pending test results.
ACTIVE OUTBREAKS AND PUBLIC HEALTH EVENTS

Brief epidemiological description and public health response for active outbreaks and public health events
### Summary of major ongoing outbreaks in 2019 and 2020

<table>
<thead>
<tr>
<th>Aetiological agent</th>
<th>Location (county)</th>
<th>Date first reported</th>
<th>New cases since last bulletin</th>
<th>Cumulative cases to date (attack rate %)</th>
<th>Interventions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Case management</td>
</tr>
<tr>
<td><strong>Ongoing epidemics</strong></td>
<td><strong>Hepatitis E</strong></td>
<td><strong>Bentiu PoC</strong></td>
<td><strong>03/01/2018</strong></td>
<td><strong>15</strong></td>
<td><strong>359 (0.04)</strong></td>
</tr>
<tr>
<td><strong>Measles</strong></td>
<td><strong>Bentiu PoC</strong></td>
<td><strong>24/04/2019</strong></td>
<td><strong>NR</strong></td>
<td><strong>482 (0.006)</strong></td>
<td>Yes</td>
</tr>
</tbody>
</table>
Measles Highlights in 2020

- **Measles outbreaks confirmed in 2020**
  - 6 counties – Tonj East, Magwi, Bor, Kapoeta East, Tonj South and Aweil East
  - Locations with ongoing measles transmission
    - Bentiu PoC
    - Wau County

No new confirmed measles cases
### Measles Outbreak situation & response by county as of week 29, 2020

<table>
<thead>
<tr>
<th>S/N</th>
<th>County</th>
<th>Population</th>
<th>Confirmed cases</th>
<th>Probable cases</th>
<th>Total cases</th>
<th>Cases per 100,000</th>
<th>Total deaths</th>
<th>CFR %</th>
<th>Date first reported</th>
<th>Emergency Campaign</th>
<th>Admin Coverage</th>
<th>Implementing Partner</th>
<th>Status</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tonj East</td>
<td>183,233</td>
<td>13</td>
<td>48</td>
<td>61</td>
<td>33.3</td>
<td>0</td>
<td>0</td>
<td>12-Dec-19</td>
<td>Mass Campaign</td>
<td>Pending result</td>
<td>Mass Campaign control</td>
<td>completed</td>
<td>Mass Campaign Completed</td>
</tr>
<tr>
<td>2</td>
<td>Magwi</td>
<td>272,880</td>
<td>5</td>
<td>5</td>
<td>10</td>
<td>3.7</td>
<td>0</td>
<td>0</td>
<td>19-Sep-19</td>
<td>Mass Campaign</td>
<td>Pending result</td>
<td>Mass Campaign control</td>
<td>completed</td>
<td>Mass Campaign Completed</td>
</tr>
<tr>
<td>3</td>
<td>Bor</td>
<td>320,956</td>
<td>7</td>
<td>7</td>
<td>14</td>
<td>4.36</td>
<td>0</td>
<td>0</td>
<td>17-Jan-19</td>
<td>Mass Campaign</td>
<td>115.60%</td>
<td>Mass Campaign control</td>
<td>completed</td>
<td>Mass Campaign Completed</td>
</tr>
<tr>
<td>4</td>
<td>Kapoeta East</td>
<td>262,720</td>
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<td>10</td>
<td>16</td>
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<td>0</td>
<td>18-Jan-20</td>
<td>Reactive Campaign (Jebel Boma)</td>
<td>50%</td>
<td>IRC active</td>
<td>Reactive campaign started on 21 June 2020</td>
<td>Reactive Campaign completed in March 2020</td>
</tr>
<tr>
<td>5</td>
<td>Aweil East</td>
<td>519,537</td>
<td>16</td>
<td>469</td>
<td>694</td>
<td>127.8</td>
<td>0</td>
<td>0</td>
<td>02-Jan-20</td>
<td>Reactive Campaign</td>
<td>126%</td>
<td>IOM active</td>
<td>Reactive campaign 20 Jan 2020</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Bentiu Poc</td>
<td>115,479</td>
<td></td>
<td>455</td>
<td>83</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>01-Jan-19</td>
<td>Reactive campaign</td>
<td>126%</td>
<td>IOM active</td>
<td>Active</td>
<td>Reactive campaign 20 Jan 2020</td>
</tr>
<tr>
<td>7</td>
<td>Wau</td>
<td>271,975</td>
<td>3</td>
<td>0</td>
<td>22</td>
<td>8.1</td>
<td>0</td>
<td>0</td>
<td>14-Jan-20</td>
<td>Enhanced routine immunization</td>
<td>N/A</td>
<td>Active</td>
<td>Enhanced surveillance</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1,427,243</td>
<td>50</td>
<td>539</td>
<td>1272</td>
<td>266.36</td>
<td>2</td>
<td>0.23</td>
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<td></td>
</tr>
</tbody>
</table>
Response | Confirmed epidemics

Confirmed Measles Outbreak in Bentiu PoC

Epidemiological description
- Bentiu PoC has been reporting suspected measles/rubella cases since week 4 of 2019.
- 3 new cases reported in week 26, 2020
- At least 482 measles cases including 1 death (CFR 0.002%) reported since then.
- Cumulatively, 36 tested cases have tested measles IgM positive while 15 tested rubella IgM positive.
- 47% of cases are female and 53% are male
- 95% are under 5 yrs old, 5% are 5 yrs old and above
- Cases have been reported from inside and outside the PoC with most of the cases originating from the PoC (most cases from sector 5 but generally all the sectors are affected).

Response actions
- Several rounds of reactive campaigns were conducted in Bentiu IOM:
  - IOM completed a reactive campaign in Bentiu POC on 31 May 2019, with 21,285 children 6-59 months and coverage of 126% receiving measles vaccination. PCE was done by MoH & WHO, coverage was 74.6%.
  - Another campaign was conducted by SMOH, IOM and partners which was completed during the week of 20th January 2020 with coverage of 126%.
  - Partners to strengthen routine immunization to continue to collect samples from suspect cases.
  - Measles case management to continue

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Cases</th>
<th>Percentage</th>
<th>Cum. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4 Years</td>
<td>456</td>
<td>95%</td>
<td>95%</td>
</tr>
<tr>
<td>5 - 9 Years</td>
<td>14</td>
<td>3%</td>
<td>98%</td>
</tr>
<tr>
<td>10 - 14 Years</td>
<td>8</td>
<td>2%</td>
<td>99%</td>
</tr>
<tr>
<td>15+ Years</td>
<td>4</td>
<td>1%</td>
<td>100%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>482</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>
Descriptive epidemiology

- The persistent transmission of HEV in Bentiu PoC continues with 359 cases since beginning of 2019.
- There were (15) new cases reported in week 29, 2020.
- All the cases were managed as outpatient cases except for seven cases who were admitted.
- Two deaths one on 12th, April 2019 and the second on 11th July 2019.
- 51% are female and 49% are male.
- Age group less than 15 years had the most cases with (75%) cases.
- At risk of adverse outcomes when infected in the 3rd trimester of pregnancy.
- Use of unsafe drinking water likely to be source of infection.
- Up to week 29, 2020; there were 359 cases of HEV in Bentiu PoC including 4 deaths (CFR 1.1%).

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Alive</th>
<th>Dead</th>
<th>Grand Total</th>
<th>Percentage</th>
<th>CFR</th>
<th>Cum. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 4 Years</td>
<td>115</td>
<td>115</td>
<td>32%</td>
<td>0%</td>
<td></td>
<td>32%</td>
</tr>
<tr>
<td>10 - 14 Years</td>
<td>56</td>
<td>56</td>
<td>16%</td>
<td>0%</td>
<td></td>
<td>48%</td>
</tr>
<tr>
<td>15+ Years</td>
<td>85</td>
<td>3</td>
<td>25%</td>
<td>3%</td>
<td></td>
<td>72%</td>
</tr>
<tr>
<td>5 - 9 Years</td>
<td>98</td>
<td>2</td>
<td>28%</td>
<td>2%</td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>Grand Total</td>
<td>354</td>
<td>5</td>
<td>100%</td>
<td></td>
<td>0.01</td>
<td></td>
</tr>
</tbody>
</table>
Recommendations

- Supportive case management guided by the HEV protocol is ongoing.

- KEV messages on HEV prevention should continue within the community through HPs, CHWs and Kondial Radio.

- With current COVID-19 Pandemic Outbreak, WASH partners to increase the coverage of hand washing facilities within the PoC’s community.

- Other Wash intervention like increasing the access for clean water and improving the water storage in the affected individuals should be made urgently by distributing the water storage containers that will be the only way to mitigate this problem and stop the HEV outbreak.

- The WASH Cluster/HEV task force should engage in group discussion with Community leaders and woman group at water distribution points to understand their opinions on issue of Collapsing Jerrycans distribution.

- Monitoring the FRC levels at the taps stands in the different sectors, and the concentration of chlorination should maintain at 0.5-1mg/L as the point of collection.
## Response | Summary of major controlled outbreaks in 2019 and 2020

<table>
<thead>
<tr>
<th>Aetiological agent</th>
<th>Location (county)</th>
<th>Date first reported</th>
<th>New cases since last bulletin</th>
<th>Cumulative cases to date (attack rate %)</th>
<th>Interventions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Case management</td>
</tr>
<tr>
<td>Measles</td>
<td>Juba</td>
<td>21/11/2019</td>
<td>NR</td>
<td>6 (0.1667)</td>
<td>Yes</td>
</tr>
<tr>
<td>Measles</td>
<td>Tonj East</td>
<td>12/12/2019</td>
<td>NR</td>
<td>61 (0.98)</td>
<td>yes</td>
</tr>
<tr>
<td>Measles</td>
<td>Bor</td>
<td>17/01/2020</td>
<td>NR</td>
<td>14 (0.214)</td>
<td>yes</td>
</tr>
<tr>
<td>Measles</td>
<td>Jebel Boma</td>
<td>10/12/2019</td>
<td>NR</td>
<td>96 (0.063)</td>
<td>yes</td>
</tr>
<tr>
<td>Measles</td>
<td>Kapoeta East</td>
<td>18/01/2020</td>
<td>NR</td>
<td>16 (0.625)</td>
<td>yes</td>
</tr>
<tr>
<td>Measles</td>
<td>Aweil East</td>
<td>29/12/2019</td>
<td>NR</td>
<td>664 (0.127)</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Brief on the Ebola situation in DR Congo and updates on EVD preparedness in South Sudan
• 8 newly confirmed cases reported between the 13th and 18th July including 2 new deaths among confirmed cases.

• Cumulative: 60 cases (56 confirmed; 4 probable) including 24 deaths (CFR: 40%). 2 health workers infected, 1 nosocomial infection; 17 survivors discharged to date.

• One new health zone (Ingende) affected. In total, 21 health areas across 7 HZs affected.

• Surveillance: On 18th July, 4989/6272 (79.5%) active contacts have been seen. Among those unseen (n=491), 286 were never seen, 166 not seen in 24 hours, 33 had travelled and 6 were lost. 15 contacts became symptomatic. 596 contacts ended follow up.

• Alerts: as of 18th July, 384 alerts recorded of which 369 (96.1%) investigated, 50 were validated and 22 sampled. Active case finding activities were carried out in 137 HF across 4 HZs.
Distribution of EVD cases, Equateur Province, as of 18 July, 2020 (n = 60)
Novel Coronavirus
**Situation in numbers (by WHO Region)**

<table>
<thead>
<tr>
<th>Region</th>
<th>Total cases (new cases in last 24 hours)</th>
<th>Deaths (new deaths)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Globally</strong></td>
<td>15,581,009 cases (284,083)</td>
<td>635,173 deaths (6,270)</td>
</tr>
<tr>
<td><strong>Africa</strong></td>
<td>679,962 cases (20,614)</td>
<td>11,340 deaths (339)</td>
</tr>
<tr>
<td><strong>Americas</strong></td>
<td>8,292,311 cases (170,611)</td>
<td>329,699 deaths (4,074)</td>
</tr>
<tr>
<td><strong>Eastern Mediterranean</strong></td>
<td>1,456,365 cases (14,019)</td>
<td>37,050 deaths (450)</td>
</tr>
<tr>
<td><strong>Europe</strong></td>
<td>3,192,041 cases (21,659)</td>
<td>209,930 deaths (509)</td>
</tr>
<tr>
<td><strong>South-East Asia</strong></td>
<td>1,678,994 cases (53,430)</td>
<td>38,993 deaths (882)</td>
</tr>
<tr>
<td><strong>Western Pacific</strong></td>
<td>280,595 cases (3,750)</td>
<td>8,148 deaths (16)</td>
</tr>
</tbody>
</table>

WHO: https://www.who.int/health-topics/coronavirus
COVID-19 Response in South Sudan

- 2286 confirmed COVID-19 cases in South Sudan; 85% in Juba with 45 deaths and a case fatality rate (CFR) of 2%. Total 5170 contacts identified, quarantined, & undergoing follow up.

- Implementation of priorities; risk communication; active case search and testing; quarantine for contacts; infection prevention and control; and management of cases are currently underway.

- The overall response currently led by the COVID-19 high level taskforce and the COVID-19 steering committee.
COVID-19 cases increasing exponentially in the past few weeks
The majority of the cases have been reported in Juba; while the rest have been imported (involving truckdrivers from the neighboring countries).
Overall Conclusions and Recommendations
Conclusion

- The overall IDSR and EWARN reporting performance in week 29, is above the target of 80%. (9) states were above 80%

- 2286 confirmed COVID-19 cases in South Sudan; 85% in Juba with 45 deaths (CFR of 2%). Total 5170 contacts identified, quarantined, & undergoing follow up

- Cumulative total of COVID-19 alerts is 787, of these, 645 (81.7%) have been verified and samples were collected

- With six outbreaks confirmed in 2020; measles remains the most frequent vaccine preventable disease

- There are ongoing measles outbreak in Bentiu PoC

- Given the COVID-19 pandemic, it is critical that measures are stepped up to contain its spread.
All partners should support CHDs & HF in Upper Nile and other states to improve IDSR/EWARN reporting

Measles SIAs, routine immunization, surveillance & case management recommended in response to cases in Bentiu PoC.

Strengthen capacities for COVID-19 containment through identifying and testing suspect cases, isolating confirmed cases, and quarantining contacts.
Thanks to the State Surveillance Officers, County Surveillance Officers and Health Facility in-charges for sharing the weekly IDSR data

Thanks to all partners for supporting IDSR weekly reporting and sharing the line lists

To access the IDSR bulletins for 2020 use the link below:

https://www.afro.who.int/publications/south-sudan-weekly-disease-surveillance-bulletin-2020
This bulletin is produced by the Ministry of Health with Technical support from WHO

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The data has been collected with support from the EWARS project. This is an initiative to strengthen early warning, alert and response in emergencies. It includes an online, desktop and mobile application that can be rapidly configured and deployed in the field. It is designed with frontline users in mind, and built to work in difficult and remote operating environments. This bulletin has been automatically published from the EWARS application.

More information can be found at http://ewars-project.org