South Sudan

Integrated Disease Surveillance and Response (IDSR)

Annexes W31 2017 (Jul 31-Aug 06)
## Access and Utilisation

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## Indicator-based surveillance

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Trend in malaria cases over time

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Malaria maps and alert management

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### Measles

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Measles maps and alert management

## Sources of data

1. Weekly IDSR Reporting Form
2. Weekly EWARS Reporting Form
### Access and Utilisation | Map of consultations by county

#### Map 1 | Map of total consultations by county (W31 2017)

<table>
<thead>
<tr>
<th>Hub</th>
<th>W31</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aweil</td>
<td>23,668</td>
<td>568,154</td>
</tr>
<tr>
<td>Bentiu</td>
<td>15,931</td>
<td>640,726</td>
</tr>
<tr>
<td>Bor</td>
<td>7,331</td>
<td>210,752</td>
</tr>
<tr>
<td>Juba</td>
<td>10,414</td>
<td>286,831</td>
</tr>
<tr>
<td>Kwajok</td>
<td>28,127</td>
<td>474,919</td>
</tr>
<tr>
<td>Malakal</td>
<td>9,125</td>
<td>608,597</td>
</tr>
<tr>
<td>Rumbek</td>
<td>12,966</td>
<td>414,949</td>
</tr>
<tr>
<td>Torit</td>
<td>3,687</td>
<td>243,474</td>
</tr>
<tr>
<td>Wau</td>
<td>14,303</td>
<td>406,107</td>
</tr>
<tr>
<td>Yambio</td>
<td>7,925</td>
<td>331,718</td>
</tr>
<tr>
<td>South Sudan</td>
<td>133,477</td>
<td>4,186,200</td>
</tr>
</tbody>
</table>
Proportional mortality

**Figure 1** | Proportional mortality (2017)

<table>
<thead>
<tr>
<th>Syndrome</th>
<th>W31</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td># deaths</td>
<td>% mortality</td>
</tr>
<tr>
<td>Malaria</td>
<td>5</td>
<td>7.1%</td>
</tr>
<tr>
<td>ARI</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>AWD</td>
<td>55</td>
<td>78.6%</td>
</tr>
<tr>
<td>Bloody diarrhoea</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>AJS</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Measles</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>Other</td>
<td>10</td>
<td>14.3%</td>
</tr>
<tr>
<td><strong>Total deaths</strong></td>
<td>70</td>
<td>100%</td>
</tr>
</tbody>
</table>
Figure 2 | Proportional morbidity (2017)

<table>
<thead>
<tr>
<th>Syndrome</th>
<th>W31</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td># cases</td>
<td>% morbidity</td>
</tr>
<tr>
<td>Malaria</td>
<td>67,672</td>
<td>68.7%</td>
</tr>
<tr>
<td>ARI</td>
<td>10,903</td>
<td>11.1%</td>
</tr>
<tr>
<td>AWD</td>
<td>6,860</td>
<td>7.0%</td>
</tr>
<tr>
<td>Bloody diarrhoea</td>
<td>1,357</td>
<td>1.4%</td>
</tr>
<tr>
<td>AJS</td>
<td>13</td>
<td>0.0%</td>
</tr>
<tr>
<td>Measles</td>
<td>1</td>
<td>0.0%</td>
</tr>
<tr>
<td>Other</td>
<td>11,747</td>
<td>11.9%</td>
</tr>
<tr>
<td>Total cases</td>
<td>98,553</td>
<td>100%</td>
</tr>
</tbody>
</table>
Figure 3 | Trend in total consultations and key diseases (W31)

Trend in consultations and key diseases

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total consultations</td>
<td>50000</td>
<td>25000</td>
<td>10000</td>
<td>5000</td>
<td>2500</td>
<td>1000</td>
<td>500</td>
<td>250</td>
<td>100</td>
<td>50</td>
<td>25</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Malaria</td>
<td>2500</td>
<td>1250</td>
<td>625</td>
<td>313</td>
<td>156</td>
<td>78</td>
<td>39</td>
<td>19</td>
<td>9</td>
<td>4</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Acute Respiratory Infection (ARI)</td>
<td>1000</td>
<td>500</td>
<td>250</td>
<td>125</td>
<td>62</td>
<td>31</td>
<td>15</td>
<td>7</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
**Malaria | Trends over time**

**Figure 4a | Trend in number of cases over time (South Sudan)**

![Graph showing the trend in number of cases over time.](image)

**Graph legend**
- **2017**
- **2016**
- **2015**
- **2014**

**Key malaria indicators (2017)**

- **Cases**: 1,232,225,087
- **Deaths**: 32
- **Alerts**: 1,087
- **Cases**: 1,087
- **Deaths**: 32
- **Alerts**: 1,087

**Figure 4b | % morbidity**

**Figure 4c | Age breakdown**
Map 2 | Map of malaria cases by county (2017)

a. 2014

b. 2015

c. 2016

d. 2017

Map 3 | Map of malaria alerts by county (2017)

Map legend

Number of malaria cases

0 1 10,000 20,000 50,000

Number of malaria alerts

0 1 10

Alert threshold

Twice the average number of cases over the past 3 weeks. Source: IDSR

Risk Assessment

32 Alerts

13 Verified

0 Low Risk

0 Moderate Risk

0 High Risk

0 Very High Risk
Figure 5a | Trend in AWD cases over time (South Sudan)

Graph legend
- 2017
- 2016
- 2015
- 2014

Key AWD indicators (2017)
- Cases: 390,057
- Deaths: 319
- Alerts: 19

Figure 5b | % morbidity

Figure 5c | Age breakdown
**Acute Watery Diarrhoea | Maps and Alert Management**

**Map 4** | Map of AWD cases by county (2017)

- a. 2014
- b. 2015
- c. 2016
- d. 2017

**Map 5** | Map of AWD alerts by county (2017)

**Map legend**

- Number of AWD cases
  - 0
  - 1
  - 5,000
  - 10,000
  - 20,000

- Number of AWD alerts
  - 0
  - 1
  - 10

**Risk Assessment**

- 0 Alerts
- 0 Verified

**Alert threshold**

Twice the average number of cases over the past 3 weeks. Source: IDSR

**W31 2017 (Jul 31-Aug 06)**
Acute Bloody Diarrhoea | Trends over time

Figure 6a | Trend in bloody diarrhoea cases over time (South Sudan)

Graph legend
- 2017
- 2016
- 2015
- 2014

Key bloody diarrhoea indicators (2017)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cases</td>
<td>62,814</td>
<td>0</td>
</tr>
<tr>
<td>Deaths</td>
<td></td>
<td>41</td>
</tr>
<tr>
<td>Alerts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 6b | % morbidity

Figure 6c | Age breakdown
Map 6 | Map of bloody diarrhoea cases by county

a. 2014  

b. 2015  

c. 2016  

d. 2017  

Map 7 | Map of bloody diarrhoea alerts by county (2017)

Map legend

- Number of bloody diarrhoea cases
  - 0
  - 1
  - 500
  - 1,000
  - 2,000

- Number of alerts
  - 0
  - 1
  - 10

Risk Assessment

- Alerts: 41
- Verified: 17
- Low Risk: 1
- Moderate Risk: 0
- High Risk: 0
- Very High Risk: 0

Alert threshold

Twice the average number of cases over the past 3 weeks. Source: IDSR

W31 2017 (Jul 31-Aug 06)
**Figure 7a | Trend in number of cases over time (South Sudan)**

Graph legend:
- **2017**
- **2016**
- **2015**
- **2014**

**Key measles indicators (2017)**

- **1,025** Cases
- **24** Deaths
- **25** Alerts

**Figure 7b | % morbidity**

**Figure 7c | Age breakdown**
Map 7 | Map of measles cases by county (2017)
a. 2014

Map 8 | Map of measles alerts by county (2017)

Map legend
Number of measles cases
0 1 50 100 250
Number of measles alerts
0 1 10
Alert threshold
1 case.
Source: IDSR

Risk Assessment

Low Risk
Moderate Risk
High Risk
Very High Risk

25 4
Alerts Verified

W31 2017 (Jul 31-Aug 06)
For more help and support, please contact:

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Notes

WHO and the Ministry of Health gratefully acknowledge health cluster and health pooled fund (HPF) partners who have reported the data used in this bulletin. We would also like to thank ECHO and USAID for providing financial support.

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](http://ewars-project.org)