Morbidity & mortality trends in PoC sites, South Sudan (IDSR/EWARN data)

As of week 29, 2020
Top causes of morbidity in Bentiu PoC 2019-2020

- Malaria remains the top cause of morbidity in Bentiu PoC

- Malaria accounts for 46% of OPD consultations representing a 9.5% increase from week 28, 2020

- ARI proportional morbidity reduced from 20% in wk 28 to 19% in wk 29, 2020

- These proportions may be affected by the current triage of patients at clinics due to the COVID-19 context
ARI proportional morbidity in 2020 is lower when compared to the corresponding period of 2019.
• Malaria started rising earlier (wk23, 2020) when compared to 2019
• Malaria was the top cause of morbidity in wk 29, 2020 and accounted for 46% of OPD consultations
• ARI is the top cause of morbidity in Malakal PoC.

• ARI accounts for 26% of OPD consultations and declined when compared to 29% in week 28, 2020.

• Malaria proportional morbidity is 4% and has been rising since week 26, 2020.
Malaria trends in Malakal PoC, 2019-2020

Malaria accounted for 4% consultations in Malakal PoC in week 29 of 2020
Top causes of morbidity, Juba PoC, wk 29, 2020

- Malaria is top cause of morbidity followed by ARI & AWD since wk 1, 2020
- Malaria currently accounts for 49% of the total OPD consultations
- ARI proportional morbidity is currently 11%
ARI trends in Juba PoC, 2019-2020

ARI proportional morbidity in Juba PoC 2019 & 2020

ARI proportional morbidity in Juba PoC in 2020 (11%) lower when compared to the corresponding period of 2019 (15%)
Malaria trends in Juba PoC, 2019-2020

- Malaria cases in 2020 higher when compared to same period of 2019
- In wk 29, 2020 malaria accounted for 49% of OPD consultations when compared to 44% in wk 29, 2019; & 46% in week 28 of 2020.
Top causes of morbidity, Wau PoC, wk 29, 2020

- ARI is top cause of morbidity followed by malaria & AWD since wk 1, 2020
- ARI currently accounts for 22% of the total OPD consultations
- Malaria proportional morbidity declined from 22% in wk 28, 2020 to 12% in week 29, 2020
ARI trends in Wau PoC, 2019-2020

ARI proportional morbidity increased from 14% in week 28 of 2020 to 22% in week 29 of 2020.
Malaria trends in Wau PoC, 2019-2020

Malaria proportional morbidity reduced from 22% in week 28 of 2020 to 12% in week 29 of 2020
Top causes of morbidity in Bor PoC 2019-2020

- Malaria is the top cause of morbidity in Bor PoC
- Malaria accounts for 32% of OPD consultations
- ARI accounts for 30% of OPD consultations
Mortality surveillance in Bentiu PoC

Week 29 of 2020
Mortality trends in Bentiu PoC 2019-2020

<table>
<thead>
<tr>
<th>Year</th>
<th>&lt;5yrs</th>
<th>≥5yrs</th>
<th>Total deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>12</td>
<td>5</td>
<td>17</td>
</tr>
<tr>
<td>2020</td>
<td>13</td>
<td>28</td>
<td>41</td>
</tr>
<tr>
<td>Total deaths</td>
<td>25</td>
<td>33</td>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>≤5yrs</th>
<th>&gt;5yrs</th>
<th>All ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>14%</td>
<td>3%</td>
<td>6%</td>
</tr>
<tr>
<td>2020</td>
<td>11%</td>
<td>13%</td>
<td>12%</td>
</tr>
</tbody>
</table>

Higher number of ARI deaths reported from 1-29, 2020 when compared to the same period 2019

• ARI mortality is lower in 2020 when compared to 2019 in children <5yrs
• In individuals ≥5yrs; ARI mortality is higher in 2020 when compared to 2019
Mortality trends in Bentiu PoC 2019-2020

The Crude Mortality Rate - CMR) in 2020 is comparable to 2019 & below the emergency threshold of 1 death per 10,000 per day

The risk of death in children <5yrs of age (U5MR) in 2020 is comparable to 2019 & below the emergency threshold of 2 death per 10,000 per day
## Mortality trends in Bor PoC 2020

<table>
<thead>
<tr>
<th>#</th>
<th>Week in 2020</th>
<th>No deaths</th>
<th>Cause of death</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>22</td>
<td>1</td>
<td>ARI with dyspnoea</td>
<td>Not sampled</td>
</tr>
<tr>
<td>2</td>
<td>23</td>
<td>1</td>
<td>ARI with dyspnoea</td>
<td>Not sampled</td>
</tr>
<tr>
<td>3</td>
<td>25</td>
<td>1</td>
<td>Drowning</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>28</td>
<td>1</td>
<td>Drowning</td>
<td></td>
</tr>
</tbody>
</table>

- Bor PoC registered two ARI related deaths in week 22 & 23, 2020 but were not sampled.
- The other two deaths in week 25 & 28 of 2020 were due to drowning.
Conclusions

• Malaria cases have increased in Bentiu PoC; Juba PoC; & Bor PoC and is the top cause of morbidity in Bentiu PoC, Bor, & Juba PoC

• ARI is the top cause of morbidity in Malakal & Wau PoCs

• Mortality (CMR & U5MR) in Bentiu PoC & Bor PoC remain below the emergency thresholds

• ARI deaths in Bentiu PoC in persons ≥5yrs higher in 2020 when compared to 2019 (However, only two ARI deaths in Bentiu PoC are attributed to COVID-19)
Recommendations

• Strengthen surveillance for COVID-19 and other IDSR priority diseases in the PoCs

• Strengthen implementation and adherence to public health social measures for COVID-19 prevention in the PoCs

• Strengthen malaria prevention & control including improved access to diagnostics; medicines; vector control (LLINs and larviciding); & BCC for malaria prevention

• Mortality line lists should be submitted by these PoCs – Juba; Malakal; Wau
Thank you