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

As of week 28, 2020
Top causes of morbidity, Bentiu PoC, wk 28, 2020

- This week malaria surpassed ARI as the top cause of morbidity in Bentiu PoC.

- Malaria accounts for 42% of OPD consultations representing a 45% increase from week 27, 2020.

- ARI proportional morbidity reduced from 25% in wk 27 to 20% in wk 28, 2020.

- These proportions may be affected by the current triage of patients at clinics due to the COVID-19 context.
ARI proportional morbidity in Bentiu PoC, 2019-2020

ARI proportional morbidity in 2020 is lower when compared to the corresponding period of 2019.
Malaria trends in Bentiu PoC, 2019-2020

- Malaria started rising earlier (wk23, 2020) when compared to 2019.
- In wk 28, 2020 malaria accounted for 42% of OPD consultations and surpassed ARI as the top cause of morbidity (45% increase from wk 27 of 2020).
Top causes of morbidity, Malakal PoC, wk 28, 2020

- ARI is the top cause of morbidity in Malakal PoC
- ARI accounts for 22% of OPD consultations and declined when compared to 29% in week 27, 2020
- Malaria proportional morbidity is 9% and has been rising since week 26, 2020
Malaria trends in Malakal PoC, 2019-2020

- Malaria cases in Malakal PoC have increased by 125% since week 26 of 2020
Malaria is top cause of morbidity followed by ARI & AWD since wk 1, 2020

Malaria currently accounts for 46% of the total OPD consultations

ARI proportional morbidity is currently 12%
ARI trends in Juba PoC, 2019-2020

ARI proportional morbidity in Juba PoC in 2020 (12%) lower when compared to the corresponding period of 2019 (16%)
Malaria trends in Juba PoC, 2019-2020

- Malaria cases in 2020 are higher when compared to same period of 2019
- In wk 28, 2020 malaria accounted for 46% of OPD consultations when compared to 42% in wk 28, 2019; & 45% in week 27 of 2020.
Top causes of morbidity, Wau PoC, wk 28, 2020

- ARI is top cause of morbidity followed by malaria & AWD since wk 1, 2020
- ARI currently accounts for 23% of the total OPD consultations
- Malaria proportional morbidity risen from 6% in wk 27, 2020 to 15% in week 28, 2020
ARI trends in Wau PoC, 2019-2020

ARI proportional morbidity declined from 36% in week 1 of 2020 to 23% in week 28 of 2020.
Malaria trends in Wau PoC, 2019-2020

Malaria cases increased by 150% in week 28, 2020 (6%) when compared to week 27, 2020 (15%)
Top causes of morbidity, Bor PoC, wk 28, 2020

- ARI is the top cause of morbidity in Bor PoC
- ARI increased by 42% in wk 28 (34%) when compared to week 27 of 2020 (24%)
- Malaria accounts for 25% of OPD consultations
Mortality surveillance in Bentiu PoC

[no data submitted from other PoCs]

Week 28 of 2020
Mortality trends in Bentiu PoC 2019-2020

Higher number of deaths reported in 2020 when compared to 2019

<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>24</td>
<td>27</td>
<td>51</td>
</tr>
<tr>
<td>2020</td>
<td>30</td>
<td>51</td>
<td>81</td>
</tr>
<tr>
<td>Total deaths</td>
<td>54</td>
<td>78</td>
<td>132</td>
</tr>
</tbody>
</table>

ARI Proportional mortality, Bentiu, weeks 1-28, 2019 & 2020

<table>
<thead>
<tr>
<th></th>
<th>≤5yrs</th>
<th>&gt;5yrs</th>
<th>All ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>30%</td>
<td>14%</td>
<td>19%</td>
</tr>
<tr>
<td>2020</td>
<td>26%</td>
<td>24%</td>
<td>25%</td>
</tr>
</tbody>
</table>

- Proportional mortality rate is lower in 2020 than in 2019 in children <5yrs
- In ≥5yrs; proportional mortality rate is higher in 2020 when compared to 2019
The overall risk of death (Crude Mortality Rate - CMR) during 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.
Conclusions

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

• Malaria surpassed ARI as the top cause of morbidity in Bentiu PoC

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

• Mortality (CMR & U5MR) in Bentiu 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 from other PoCs – Juba; Malakal; Bor
Thank you