BACKGROUND

The hospital pharmacy offers prepacked boxes for outpatient parenteral antibiotic therapy (OPAT).

The boxes are used in the patient’s home after discharge and contain either:
- Utensils, solvent and an antibiotic (benzylpencillin, cefuroxime or piperacillin/tazobactam) for three days of treatment, or
- Utensils and solvent for three administrations

AIM

- To explore knowledge, opinion and wishes to the prepacked antibiotic and utensils boxes in an attempt to fulfill the needs of the hospital wards

MATERIALS AND METHODS

- All hospitals wards (N=53) in the Central Denmark Region that discharge patients to OPAT received an electronic questionnaire (November 2021)
- One nurse at each hospital ward was asked to fill in the questionnaire

RESULTS

- 74% responded to the questionnaire
- 87% knew about some of the antibiotics boxes
- 59% knew about the utensils box
- 25% would like boxes with other antibiotics (figure 1)

- Overall satisfaction with three days of treatment (table 1)
- The availability of the boxes on the wards, is a factor that sometimes prevents use
- The boxes are valued in the OPAT workflow on the hospital wards and contribute to patient safety in primary-care

CONCLUSION

The boxes are known and highly appreciated, but there is a need to increase knowledge about all the boxes, and improve their availability
- There is a wish for a supplement of a one-day treatment
- More data is needed to evaluate the wishes for other antibiotics in prepacked boxes

PREPACKED ANTIBIOTICS/UTENSILS FOR OPAT

- Cefuroxime 1500 mg
- Piperacil./Tazobac 4g+0.5g
- Benzylpenicillin 3 g
- Utensiles/solvent 100 ml NaCl

USE OF THE DIFFERENT PREPACKED BOXES FROM NOV. 20 - OCT. 21

NURSES WISHES TO FURTHER PREPACKED BOXES

Other antibiotics (figure 1)

Duration of treatment (table 2)

<table>
<thead>
<tr>
<th>Number of treatment days</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>One administration</td>
<td>2.9%</td>
</tr>
<tr>
<td>One day of treatment</td>
<td>32.4%</td>
</tr>
<tr>
<td>Two days of treatment</td>
<td>2.9%</td>
</tr>
<tr>
<td>Three days of treatment</td>
<td>73.5%</td>
</tr>
<tr>
<td>Do not wish prepacked</td>
<td>0.0%</td>
</tr>
<tr>
<td>Other</td>
<td>5.5%</td>
</tr>
</tbody>
</table>

*For a more flexible solution and reduced drug waste