Identification of solid oral drugs unit doses: still a margin of progression

M. Jumeau¹, O. François¹, P. Bonnabry¹,²
¹Pharmacy, Geneva University Hospitals, Geneva, Switzerland, ²Institute of Pharmaceutical Sciences of Western Switzerland, School of pharmaceutical sciences, University of Geneva, Geneva, Switzerland

Objectives
- To evaluate the quality of identification of solid oral drugs unit doses (UD)

Method
- Prospective observational study conducted in 16 wards
- UD present in ready-to-administer pillboxes were observed
- Requirements of the OEMed (drug requirements ordinance) and the joint recommendations between the GSASA (Swiss Association of Public Health Administration and Hospital Pharmacists) and the pharmaceutical industry.
- A score (from 0 to 10) was assigned to each UD:

Exemple:

Note = 10/10

Results
- 2318 UD
- 208 drugs
- 58 manufacturers

Global analysis of the readability of the unit doses: name of the drug, INN and dosage

<table>
<thead>
<tr>
<th>Presence</th>
<th>Drug name</th>
<th>Active ingredient</th>
<th>Dosage</th>
<th>Unit</th>
<th>Expiry date</th>
<th>Batch number</th>
<th>Datamatrix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete</td>
<td>3</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Some of</td>
<td>1.5</td>
<td>1</td>
<td>1</td>
<td>0.5</td>
<td>0.5</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>None</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

The frequencies of observation of the complete presence of each of the seven information

- Drug name: 74%
- Active ingredient: 64%
- Dosage: 77%
- Unit: 76%
- Expiry date: 52%
- Batch number: 53%
- Datamatrix: 0.30%