EPIDEMIOLOGICAL PROFILE OF PHYSICAL DISABILITY IN BURKINA FASO.

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STRUCTURE

- INTRODUCTION
- OBJECTIVE
- METHODOLOGY
- RESULTS / DISCUSSION
- CONCLUSION
INTRODUCTION

• Sahelian country: 16 million inhabitants
• General morbidity: 15.8%
• WHO: 10% PSH => 1600000
• Advocacy difficult due to lack of reliable data.
• Study for a better control of the landscape of disability in Burkina Faso.
OBJECTIVE

- Determine the epidemiological profile of physical disability in Burkina Faso.
METHODOLOGY

• Study population: 17 rehabilitation centers;
• simple random sampling;
• Study period: 26th September to 25th November 2011;
• inclusion / non-inclusion criteria
RESULTS / DISCUSSION (1)

**Table I**: Distribution of 113 patients (age and sex)

<table>
<thead>
<tr>
<th>Age</th>
<th>0-15</th>
<th>16-30</th>
<th>31-45</th>
<th>46-60</th>
<th>&lt;60</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>15</td>
<td>13</td>
<td>16</td>
<td>14</td>
<td>9</td>
<td>67</td>
</tr>
<tr>
<td>Female</td>
<td>20</td>
<td>10</td>
<td>10</td>
<td>3</td>
<td>3</td>
<td>46</td>
</tr>
<tr>
<td>Total</td>
<td>35</td>
<td>23</td>
<td>26</td>
<td>17</td>
<td>12</td>
<td>113</td>
</tr>
<tr>
<td>%</td>
<td>31%</td>
<td>20%</td>
<td>23%</td>
<td>15%</td>
<td>11%</td>
<td>100%</td>
</tr>
</tbody>
</table>
RESULTS / DISCUSSION (2)

• Population of 113 patients;
• 67 men (59%) and 46 women (41%);
• Sex ratio: 1.45;
• Average age: 30 years [0-92];
• 66% came with their mother;
• Average time to reach the center: 19 minutes;
• Residence: urban 82% and rural 12%.
RESULTS / DISCUSSION (3)

**Figure 2:** Percentage Distribution of 113 patients according to medical diagnosis.
RESULTS / DISCUSSION (4)

• Epidemiological profile of disability = new dynamic in Burkina Faso;

• Polio, sciatic paralysis, malformation and traumatic pathology were 1st causes.
RESULTS / DISCUSSION (5)

• Polio (11%): General immunization;
• Sciatic Paralysis (5%): new antimalarials;
• Hemiplegia (25%) = the first cause of disability => Contributing Factors: Multiple;
• Traumatic pathology (28%) related to road traffic accidents;
• Birth defects (6%) dominated by clubfoot;
RESULTS / DISCUSSION (6)

- Cerebral palsy (11%) => obstructed labor;
- Arthritic disease (4%) => sickle cell;
- Other (6%): polyneuropathy, obstetric brachial plexus palsy ...
- In public health terms: 75% of diseases are preventable through primary prevention.
CONCLUSION

• Disability = public health problem in B.F.
• Its profile = new dynamics.
• Emergence of degenerative diseases.
• Regression of polio and sciatic paralysis
• Prevention = best guarantee to influence this dynamics.