Nursing Effectiveness of 4 Portuguese Hospitals
Of the concept

Ability to produce an effect

Do the right things

from the do to do to the do to obtain

Accountability
The context

Constant transition in health organizations

Spiral Cost

Major concern for quality, safety and satisfaction
The objective

• Increase the visibility of the nursing sensitive outcomes
• Analyze the relationships between structure, process and nursing sensitive outcomes
• Descrever a evolução de uma amostra de doentes utilizando o resumo mínimo de dados proposto pela InterRai

Describe the evolution of a patients sample using the InterRai AC©
Nursing Effectiveness of 4 Portuguese Hospitals

- Longitudinal repeated measurements
  - 26 Medicine/Surgery wards
  - 4 hospitals.

- Consecutiv sample
  - 1764 patients
    - $\bar{x} = 70.78 \text{ years}$
    - 48.2% female
  - 365 nurses
    - $\bar{x} = 35.2 \text{ years}$

- Procedures
  - Assessment of pré-morbid, admission and discharge conditions between Feb and Jun 2012
Nursing Effectiveness of 4 Portuguese Hospitals

InterRAI – Cuidados Agudos ©
Therapeutic Self-Care Tool
Individualized care
The Practice environment scale
Clinical expertise survey
<table>
<thead>
<tr>
<th></th>
<th>% Reverse</th>
<th>% Equal</th>
<th>% Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depression Admission - Discharge</td>
<td>5.1</td>
<td>71.5</td>
<td>23.4</td>
</tr>
<tr>
<td>Comunication Admission - Discharge</td>
<td>3</td>
<td>86.7</td>
<td>10.4</td>
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<tr>
<td>Pain Admission - Discharge</td>
<td>2.7</td>
<td>59.4</td>
<td>37.9</td>
</tr>
<tr>
<td>Hierarchical scale of Daily life activities Admission - Discharge</td>
<td>2.8</td>
<td>64.3</td>
<td>32.9</td>
</tr>
<tr>
<td>Delirium Admission - Discharge</td>
<td>1.6</td>
<td>90.9</td>
<td>7.5</td>
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<tr>
<td>Cognitive performance Admission - Discharge</td>
<td>2.7</td>
<td>83.2</td>
<td>14.1</td>
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<tr>
<td>Daily living activities scale Short forme Admission - Discharge</td>
<td>4.2</td>
<td>59</td>
<td>36.8</td>
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</table>
### SHORT VERSION OF DAILY LIVING ACTIVITIES SCALE - EVOLUTION BETWEEN ADMISSION AND DISCHARGE (0 a 16)

<table>
<thead>
<tr>
<th>Code</th>
<th>Admission N</th>
<th>Admission %</th>
<th>Discharge Code</th>
<th>Discharge N</th>
<th>Discharge %</th>
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<tbody>
<tr>
<td>0</td>
<td>581</td>
<td>100</td>
<td>0</td>
<td>551</td>
<td>98,0</td>
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<tr>
<td>&gt;0</td>
<td>11</td>
<td>2,0</td>
<td>&lt;16</td>
<td>61</td>
<td>23,5</td>
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<tr>
<td>= 16</td>
<td>199</td>
<td>76,5</td>
<td>= 15</td>
<td>17</td>
<td>31,5</td>
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<tr>
<td>&gt;15</td>
<td>4</td>
<td>7,4</td>
<td>&gt;0</td>
<td>740</td>
<td>72,6</td>
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<tr>
<td>&gt;0</td>
<td>1119</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total on admission = 1700; Total on discharge = 1581

- 279 ou 17,6% get better
- Equal = 1291 ou 81,7%
- 11 ou 0,7% get worse
## Therapeutic Self Care

<table>
<thead>
<tr>
<th></th>
<th>N</th>
<th>Max possible Score.</th>
<th>Maximum obtained Score</th>
<th>Mean</th>
<th>Std. Deviation</th>
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<tbody>
<tr>
<td>Therapeutic Self Care</td>
<td>958</td>
<td>72</td>
<td>60</td>
<td>39,51</td>
<td>17,608</td>
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<tr>
<td>Therapeutic Self Care mean</td>
<td>958</td>
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<td>3,2927</td>
<td>1,46733</td>
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Nursing Effectiveness of 4 Portuguese Hospitals

**STRUCTURE**

- Patient
  - Activities of daily living

- Nurses
  - Nursing experience

- Organization
  - Practice environment scale
  - Nurses to patients ratio

**NURSE ROLE VARIABLES**

- Quality philosophy
- Communication

**PATIENT OUTCOMES**

- Functional status
- Therapeutic self-care
- Pain control

Patients perceive their care as individualized.
Thank you