Disentangling the Value Equation: A Step Forward in Value-Based Health Care

RATIONAL

What is Value in Health Care?

DATA

- 690 patients diagnosed with breast cancer
- 6-healthcare centers

METHODS

Descriptive analysis and statistical tests

- Clinical and socio-demographic variables
- Regression analysis
- Sensitivity analysis

CI-PCO

- PCO vs. HRQoL (r=2.5)
- CI-PCO, BC vs. CI-PCO, BCD

RESULTS

Table 1. Descriptive analysis

<table>
<thead>
<tr>
<th>Site A</th>
<th>Site B</th>
<th>Site C</th>
<th>Site D</th>
<th>Site E</th>
<th>Site F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td>SD</td>
<td>Median</td>
<td>Min</td>
<td>Max</td>
<td>Mean</td>
</tr>
<tr>
<td>Age at diagnosis</td>
<td>58.2 (11.6)</td>
<td>58.0 (11.2)</td>
<td>58.2 (11.0)</td>
<td>58.0 (11.2)</td>
<td>58.0 (11.2)</td>
</tr>
<tr>
<td>CI-PCO</td>
<td>32.1 (12.0)</td>
<td>32.1 (12.0)</td>
<td>32.1 (12.0)</td>
<td>32.1 (12.0)</td>
<td>32.1 (12.0)</td>
</tr>
<tr>
<td>HRQoL</td>
<td>59.8 (13.8)</td>
<td>59.8 (13.8)</td>
<td>59.8 (13.8)</td>
<td>59.8 (13.8)</td>
<td>59.8 (13.8)</td>
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<tr>
<td>p-value</td>
<td>0.019*</td>
<td>0.19</td>
<td>0.22</td>
<td>0.21</td>
<td>0.21</td>
</tr>
</tbody>
</table>

PHYSICAL CHARACTERISTICS

- Age at diagnosis
- CI-PCO
- HRQoL

Figure 1. Patient-Reported Outcomes weights

- TREATMENT CHARACTERISTICS

- Surgery
- Radiotherapy
- Endocrine therapy

Figure 2. CI-PCO and HRQoL scatterplot

DISCUSSION

Issues
- Regression weights were rather robust over periods (6-month, diff-in-diff)
- What time-period should be used?

CI-PCO vs. HRQoL values are highly correlated with variety of CI-PCO values when HRQoL:
- Does the CI-PCO represent a better HRQoL?

Limitations
- No availability of Patient-Reported Experiences (PRE) which should be included as PCOs
- Short follow-up (6-months)