Adaption of QUALIFY to be used for the development of indicators for guidelines

Anne Reiter, B. Fischer, J. Kötting, M. Geraedts, W.H. Jäckel, G. Ollenschläger, K. Döbler
Guidelines and quality measurement

Guidelines

... support the development of quality indicators

Quality indicators

... support the implementation and further development of guidelines
Hormone receptor analysis

Nominator: All women with primary breast cancer

Denominator: Hormone receptor analysis

Level of Evidence 2a (Oxford Classification), Recommendation Grade A

Guidelines and quality measurement
How are indicators derived from guidelines?

General guideline goals (guideline preface)
- Morbidity / Mortality
- Quality of life
- Impairment
- ...

Special guideline goals (recommendations)
- Guideline statements
- e.g. Hormone receptor analysis
- ...

Draft Indicators

Outcome indicators

Process indicators
### Categories and criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relevance</td>
<td>Does the indicator measure relevant aspects of quality (setting)?</td>
</tr>
<tr>
<td>Scientific soundness</td>
<td>What are the methodological characteristics of the indicator?</td>
</tr>
<tr>
<td>Feasibility</td>
<td>Is the indicator easy to use?</td>
</tr>
</tbody>
</table>
Assessment of quality indicators

Methodological assessment I:
- Indicator evidence
- Importance
- Clarity of the definitions
- Influenceable by providers
- Data availability
- Potential risks

Methodological assessment II:
- Risk adjustment
- Validity
- Reliability (pilot testing!)
- Understandability (pilot testing!)
- Data collection effort
- ...

Draft Indicator

If thresholds achieved

Preliminary Indicator

If thresholds achieved

Ready for use Indicator
Guidelines and quality indicators

- Clarity of the definitions:
  - Medical history
  - Examination
  - Advice
  - Time frame?

- Data availability?

- Reliability: Probably not!

Statement:
Follow-up after primary breast cancer should include medical history, examination and advice.

Indicator: percentage of women after primary breast cancer with documented medical history, examination and advice

Thresholds not achieved

Indicator dropped
Guidelines and quality indicators

- Clarity of the definitions
- Data availability
- Reliability

Thresholds achieved

Redefine statement and indicator

Thresholds not achieved

Indicator dropped
Guidelines and quality measurement

Guidelines

... support the development of quality indicators

Quality indicators

... support the implementation and further development of guidelines

Perfect duo for impact on quality!
For further information

http://www.bqs-qualify.com
http://www.bqs-qualitaetsindikatoren.de
http://bqs-online.de