INTEGRATE-HTA

Results of a European research project (2013-2015)

Wija Oortwijn, Gert Jan van der Wilt, Dario Sacchini, Ansgar Gerhardus

for the INTEGRATE-HTA project team

HTAi 2016 Meeting, Tokyo, 12 May 2016
This project is co-funded by the European Union under the Seventh Framework Programme (Grant Agreement No. 306141)
Aim of INTEGRATE-HTA

To develop concepts and methods for a comprehensive, patient-centred, and integrated (as opposed to side-by-side) assessment of health technologies that includes and considers

- effectiveness and economic, sociocultural, ethical, and legal issues,
- patient preferences and patient-specific moderators of treatment,
- context and implementation issues.
‘Traditional’ HTA (add on)
Comprehensive HTA

Results (evidence informed)

Effectiveness

Economic

Ethical

Social/Cultural

Legal
## Important to consider other aspects - e.g. in case of palliative care

<table>
<thead>
<tr>
<th>Patient characteristics &amp; preferences</th>
<th>Early or late stage? In pain? In despair? Family around?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparator</td>
<td>Another complex technology?</td>
</tr>
<tr>
<td>Topics for assessment</td>
<td>(Cost-)effectiveness, social, cultural, legal impact? Impact on relatives?</td>
</tr>
<tr>
<td>Outcome</td>
<td>&gt; 500 outcome parameters, e.g. quality of life, spiritual improvement, etc.</td>
</tr>
<tr>
<td>Implementation</td>
<td>By a nurse? A doctor? A relative? At home? In a hospice?</td>
</tr>
<tr>
<td>Context</td>
<td>Rural area? Degree of professionalization of services?</td>
</tr>
</tbody>
</table>

---

ECORYS  | INTEGRATE-HTA
### Modifying factors

<table>
<thead>
<tr>
<th>Patient characteristics</th>
<th>Implementation</th>
<th>Context</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Early or late stage</td>
<td>- Professionals</td>
<td>- Elaborated palliative care system at place?</td>
</tr>
<tr>
<td>- Personal preferences</td>
<td>- Relatives</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Non-related lay persons</td>
<td></td>
</tr>
</tbody>
</table>

#### Results (evidence informed)

- Effectiveness
- Economic
- Ethical
- Social/Cultural
- Legal
+ Views of stakeholders

Stakeholders’ views and preferences

- Patient characteristics
  - Early or late stage
  - Personal preferences

- Implementation
  - Professionals
  - Relatives
  - Non-related lay persons

- Context
  - Elaborated palliative care system at place?

Effectiveness
Economic
Ethical
Social/Cultural
Legal

Assessment results and Degree of uncertainty

ECORYS
INTEGRATE-HTA
# How to integrate all the information?

<table>
<thead>
<tr>
<th>Patient characteristics</th>
<th>Implementation</th>
<th>Context</th>
<th>Findings/Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Early or late stage</td>
<td>- Professionals</td>
<td>- Elaborated palliative care system at place?</td>
<td></td>
</tr>
<tr>
<td>- Personal preferences</td>
<td>- Relatives</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Non-related lay persons</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Medical**

**Social/Cultural**

**Economic**

**Ethical**

**Legal**
Approach of INTEGRATE-HTA: 5 Steps

1) Involve stakeholders to elicit needs, topics, outcomes and likely scenarios

2) Creating a logic model taking patient characteristics, implementation issues and context into account; Structuring patient heterogeneity into groups of patients with certain characteristics

3) Assess the evidence regarding effectiveness, and economic, ethical, socio-cultural, and legal aspects

4) Integrate the evidence in a structured way to respond to the needs of the stakeholders

5) Structured process of decision-making
Lessons learnt

• Make **stakeholders** part of the assessment – a **defined perspective** is necessary for an integrated assessment

• **Identify and model relationships** between the intervention, patient characteristics, implementation issues, and context

• Offer an **integrated assessment** to decision-makers - integration needs to start from the beginning
Guidances and application


2. Guidance for retrieving and critical appraisal of the literature on moderators of treatment effects and for the critical appraisal of articles concerning patient preferences for treatment outcomes

3. Guidance for the assessment of context and implementation in systematic reviews and health technology assessments of complex interventions and for the use of logic models in systematic reviews and health technology assessments of complex interventions

4. Guidance for an integrated assessment of complex health technologies

5. Demonstration HTA on reinforced models on home based palliative care
All deliverables are available from the project website:
http://www.integrate-hta.eu/downloads/

Downloads

On this page you can find the results of the INTEGRATE-HTA projects, links, five editions of our newsletters, presentations of project team members at international conferences and events, abstracts for these presentations and a project flyer.

Results of the project

<table>
<thead>
<tr>
<th>DATE</th>
<th>DOCUMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 February 2016</td>
<td>Integrated health technology assessment for evaluating complex technologies (INTEGRATE-HTA): An introduction to the guidelines</td>
</tr>
<tr>
<td>15 February 2016</td>
<td>Guidance on the integrated assessment of complex health technologies - The INTEGRATE-HTA Model</td>
</tr>
<tr>
<td>15 February 2016</td>
<td>Guidance for the assessment of treatment moderation and patients' preferences</td>
</tr>
<tr>
<td>15 February 2016</td>
<td>Guidance on the use of logic models in health technology assessments of complex interventions</td>
</tr>
<tr>
<td>15 February 2016</td>
<td>Guidance on choosing qualitative evidence synthesis methods for use in health technology assessments of complex intervention</td>
</tr>
<tr>
<td>15 February 2016</td>
<td>Integrated assessment of home based palliative care with and without reinforced caregiver support: A demonstration of INTEGRATE-HTA methodological guidelines – Executive Summary</td>
</tr>
</tbody>
</table>
Reflections on the work

• “Even seemingly simple Health Technologies appear to be complex enough for policy and practice to make an integrated Assessment indispensable” (Prof. Dr. Bert Boer, National Health Care Institute, the Netherlands)

• “INTEGRATE-HTA provides HTA agencies with an interesting and innovative set of new tools.” (PD Dr. med. Stefan Sauerland, MPH, IQWiG, Cologne, Germany)

Source: http://www.integrate-hta.eu/sixth-edition/results-of-the-project/
Next steps

1. Explore collaboration with EUnetHTA: e.g. expanding the core model for the assessment of complex technologies

2. Inform and collaborate with HTA-agencies: Exchange on using and refining the guidances – e.g. webinar to be organised in close collaboration with INAHTA

3. Dissemination of results via publications/presentations

>> Please visit our website at: www.integrate-hta.eu
THANK YOU!

wija.oortwijn@ecorys.com