Resource planning for guideline development

Lessons learned in the German Guideline Program in Oncology

Markus Follmann, Annika Thiel, Cathleen Muche Borowski, Alexander Nast
Disclosure of Interests (last 3 years)

Markus Follmann

I certify that, to the best of my knowledge, no aspect of my current personal or professional situation might reasonably be expected to affect significantly my views on the subject on which I am presenting.
Background:

Rationale

- need for quality improvement in cancer care
- need for better knowledge transfer
- need for a common basis to improve networking of quality initiatives
- German National Cancer Plan

GGPO was launched 2008, setting the goal to develop and implement clinical practice guidelines (CPGs) in oncology by:
Background:

GGPO Objectives

- supporting CPG development by scientific medical societies
- providing independent funding
- improving methodological quality of CPGs
- improving implementation and evaluation by
  - patient guidelines
  - short / long / pocket versions of CPGs
  - performance measures / quality indicators
- consolidating the network of quality initiatives
Organizational structure:

STEERING COMMITTEE

WORKING GROUP METHODOLOGY

GGPO Office

GUIDELINE DEVELOPMENT GROUPS

programme planning prioritisation

funding

coordination / support

CPG development
Resource planning

GGPO 2008: to be created

• Application process
• Ressource planing Matrix

➢ Can we learn from other institutions?
Resource planning

Any published data?

Sporadic data from German Guideline Projects
A. Nast, JDDG 2008 (Therapy of Psoriasis vulgaris)
Some G–I–N conference abstracts
J. Vlayen, Poster GIN Conference 2008
at this years conference: s. Poster P055
Julia Koepp et al.: Financing of Clinical Practice Guidelines (CPG) – what do we really know?
→ No helpful articles via PubMed
Application processs

Contact to OL Office counseling

preliminary application form

Decision GGPO steering com.

Draft project plan

Drafted financial scheme

Basic data

major application form

Requested duration of funding: x years

Staff appropriations:
- Name of the position, extent of the position in %, compensation group, duration, description of work profile
- Ex. Research assistant, 50% position, TV-L E 13, for 3 years (system search, selection and appraisal of evidence,...)

Investment funds (non-recurring):
- Device ....... €
- Device ....... €
- SUM

Funds for consumables:
- for ....... p.a. €
- for ....... p.a. €
- SUM

Travel expenses:
- for ....... p.a. €
- for ....... p.a. €
- SUM

Expenses for Consensus Conferences (room rental, accommodation, moderation, TED voting system, etc.):
- for ....... p.a. €
- for ....... p.a. €
- SUM

Funds for external assignments (cost estimate required):
- e.g. providing evidence reports for defined KQ p.a. €
- e.g. development of patient guidelines /quality indicators p.a. €
- SUM

Refusal

no

Deciding GGPO steering com.

yes

counseling major

Funding
GGPO Matrix for estimating costs

Requested duration of funding: x years

Staff appropriations:
- Name of the position, extent of the position in %, compensation group, duration, (description of work profile)
  Ex: Research assistant, 50% position, TV-L E 13, for 3 years (system search, selection and appraisal of evidence....)

Investment funds (non-recurring):
- Device ........
- Device ........
  €
  € SUM

Funds for consumables:
- For ........
- For ........
  p. a.
  €
  € SUM

Travel expenses:
- For ........
- For ........
  p. a.
  €
  € SUM

Expenses for Consensus Conferences (room rental, accommodation, moderation, TED voting system, etc):
- For ........
- For ........
  p. a.
  €
  € SUM

Funds for external assignments (cost estimate required):
- e.g. providing evidence reports for defined KQ
- e.g. development of patient guidelines / quality indicators
  p. a.
  €
  € SUM
## GGPO Matrix for estimating costs

<table>
<thead>
<tr>
<th>Labor</th>
<th>Meeting / Travel</th>
<th>Ext. Evidence reports</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientist (physician statistician)</td>
<td>Travel expenses</td>
<td>For selected key questions; subcontracting external agencies</td>
<td>Costs for searches, literature..</td>
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<tr>
<td>Information specialist</td>
<td>Accommodation</td>
<td></td>
<td>Translations</td>
</tr>
<tr>
<td>Secretary</td>
<td>Technical stuff</td>
<td></td>
<td>Software</td>
</tr>
<tr>
<td>Students</td>
<td>Moderation</td>
<td></td>
<td>Conference calls</td>
</tr>
<tr>
<td>......</td>
<td>Room rental</td>
<td></td>
<td>QI, Patient guidelines*</td>
</tr>
</tbody>
</table>

* approx. 5,000 € QI, 17,000 € Patient guidelines
## GGPO guideline development costs

<table>
<thead>
<tr>
<th>CPG topic</th>
<th>duration (y)</th>
<th>labor</th>
<th>Travel Accom Meetings</th>
<th>Ext Evidence</th>
<th>other + QI + PLL</th>
<th>Sum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hodgkin</td>
<td>2</td>
<td>121.800</td>
<td>79.620</td>
<td>0</td>
<td>3.000</td>
<td>204.420</td>
</tr>
<tr>
<td>Ovar</td>
<td>1.5</td>
<td>37.000</td>
<td>46.650</td>
<td>40.000</td>
<td>11.500</td>
<td>135.150</td>
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<tr>
<td>oral cavity</td>
<td>2</td>
<td>36.000</td>
<td>56.650</td>
<td>60.000</td>
<td>18.000</td>
<td>170.650</td>
</tr>
<tr>
<td>palliative</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cervix dg th</td>
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<td></td>
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<tr>
<td>esophagus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cervix prevention</td>
<td>2</td>
<td>136.875</td>
<td>72.800</td>
<td>50.000</td>
<td>22.500</td>
<td>282.175</td>
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<tr>
<td>renal cell ca</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>psychooncology</td>
<td>2</td>
<td>70.800</td>
<td>37.000</td>
<td>35.000</td>
<td>5.000</td>
<td>147.800</td>
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<tr>
<td>gastric cancer</td>
<td>2</td>
<td>75.750</td>
<td>94.500</td>
<td>32.332</td>
<td>11.000</td>
<td>213.582</td>
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<td>skin cancer prev</td>
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<td>132.400</td>
<td>72.400</td>
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<tr>
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<td>94.000</td>
<td>0</td>
<td>11.000</td>
<td>274.900</td>
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<tr>
<td>HCC</td>
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<td>92.400</td>
<td>83.700</td>
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<td>2.969.533</td>
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<td></td>
<td>1.414.540</td>
<td>925.220</td>
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</tr>
</tbody>
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\( N = 13 \)

Range: 135.150 – 370.100 €
Mean: 228.462 €

→ ex ante calculations!
GGPO guideline development costs

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<tr>
<th>Amendments</th>
<th>labor</th>
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<th>Ext Evidence</th>
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<tr>
<td>gastric cancer</td>
<td>35.400</td>
<td>59.500</td>
<td>16.600</td>
<td>22.335</td>
<td>133.835</td>
</tr>
<tr>
<td>HCC</td>
<td>0</td>
<td>0</td>
<td>54.051</td>
<td>19.081</td>
<td>73.132</td>
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<td>colorectal</td>
<td>50.750</td>
<td>59.500</td>
<td>170.651</td>
<td>85.931</td>
<td>366.832</td>
</tr>
<tr>
<td>psychooncology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>skin cancer prev</td>
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Post hoc → amendments!

‘ex ante’ Mean: 228.462 €
‘adjusted’ Mean: 256.643 €
**GGPO Matrix for estimating costs**

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925.220,00 €
417.998,00 €
211.785,00 €

- Labor
- Travel Accom Meetings
- Ext Evidence
- Other + QI + PLL

German Guideline Program in Oncology (GGPO)
Resource planning

Conclusions:

GGPO is still learning!
Standardized financial schemes for GD are helpful for funder and GDG
The better the concrete project planning the more realistic the finance plan
Main part are labor costs and travel / acc. expenses
The correlation between Invested money and reached guideline quality should be considered (the more the better?)
Cost saving aspects should be kept in mind
Resource planning

Options for cost savings:

Keep the stuff working in the GDG

Develop a reasonable update strategy

Consider cost sparing like international cooperation

Foster national networks
Resource planning

Points to discuss within GIN:

Are costs of guideline development a relevant topic for GIN members?

Should we report that in a standardized way to allow comparisons? (units like e.g. costs per PICO question)

Can we discuss cost saving aspects together?
Thank you!