

**Making the EORTC QLQ-C30
interactive:
development of CAT for EORTC
QLQ-C30 dimensions
- project update**

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Aim of the project

- Develop CAT for QLQ-C30 dimensions based on small item pools (10-30 items)
- CAT: interactive, individually adapted questionnaire (use responses to previous items to select most informative next item, stop when desired precision obtained)
- Advantages include: Reduced floor and ceiling effects, increased precision, questionnaire can be adapted to each study or person

Status of the project

Dim	Developers	Literature review, item selection	Expert interviews	Patient interviews
PF	Mogens, Morten, Jorunn, Stein	Completed	Completed	Completed in DK, D
RF	Susanne, Teresa, Jackie	Review done		
EF	Bernhard	Selection done		
CF	Neil, Martin			
SF	Teresa, Jackie	Review done, first draft		
FA	Thierry, Bernhard	Review done, first draft		
PA	Mogens, Morten, Jon, Stein	Completed	Completed	Completed in DK
NV	Galina	Review done, first draft		
DY	Mogens & Morten	Completed		
SL	Mogens & Morten	Review done		

Status of the project, details

- **PF:**
 - **975 items** identified in the literature
 - **454 items** belonged to the relevant subdimensions of PF
 - Constructed **86 new items** fitting the ‘QLQ-C30 item style’
 - Internal group reviews reduced this to **66 items**
 - Evaluations by 10 experts reduced the item list to **55 items**. 12 items were reformulated
 - Conducted 26 (11 Danish, 10 German, 5 French) patient interviews

Status of 1

- **PA:**

- **337 items** identified
- **140 items** potentially relevant
- Constructed **39** items
- Internal group review
- Evaluations by 3 raters
- **26 items**. Three items not used
- Conducted 10 D

- **Comment:** QLCQ-30 does not include present perfect, item 19 should we use for

- **Decision: present perfect**

PF: present tense

RF: past tense

EF: past tense

DY: past tense

PA: past tense (q19) and present perfect (q9)

FA: past tense (q10+q18) and past perfect

(q12)

CF: present perfect tense

SF: present perfect tense

NV: present perfect tense

SL: present perfect tense

AP: present perfect tense

CO: present perfect tense


DI: present perfect tense

EI: present perfect tense

Status of the project, details

- **DY:**
 - 186 items identified in the literature
 - 162 items potentially relevant
 - Constructed 48 new items
 - Ready for internal reviews
- **Comment:** potentially relevant items:
 - Items about intensity, frequency etc.
 - Items about activities causing dyspnoea. ‘Good’ activities: common activities (e.g. dressing, walking)
 - Items about the type/quality of dyspnoea (e.g. suffocating, shallow)

Questionnaire



During the past week:
Have you felt weak?

Not at All A Little Quite a Bit Very Much

← →

Stop Help

Plans for the coming months

- Conduct internal review and expert interviews (DY, SL, others?)
- Conduct patient interviews (PF & PA in France, UK), then DY, SL, others
- Start data collection (PF & PA)
- Finalize CAT-program v2

Future development process

- Reviews: additional collaborative work
- Patient interviews:
 - Ethics committee permissions now available in France, Germany, UK, Denmark
 - Logistics OK
- Data collection: few large centres; Copenhagen OK

Anybody interested in taking part in

- Collecting questionnaire data
 - 1000 patient responses in all coming from at least three countries (Denmark + two other)
- **Please contact us if you can help**

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