

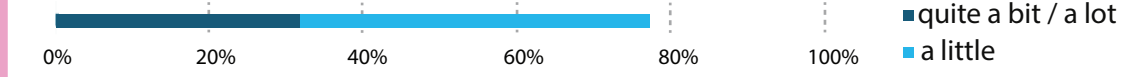
Development of a holistic questionnaire to monitor cancer-related fatigue (CRF) after breast cancer in daily-life

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Introduction

% cancer-related fatigue (CRF) after breast cancer diagnosis [1]



Underreported & unmet care needs > suboptimal daily functioning [2]

Holistic view (understand impact CRF) + personalized advice

Aims

- 1) Domains of the holistic patient profile
- 2) Develop and test holistic questionnaire
- 3) Usability test
- 4) Feasibility test

Methods

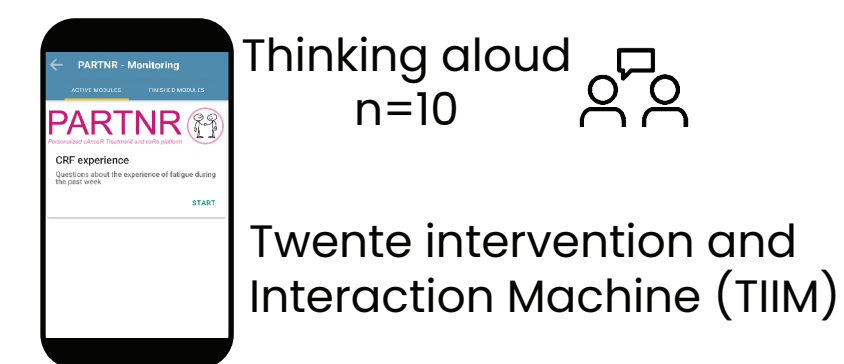
1. Holistic patient profile

- Interviews healthcare professionals (n = 14)
- Focus groups breast cancer patients and survivors (n = 27)
- Thematic analysis

2. Holistic assessment CRF

- Questionnaire domains: Interviews and panel sessions
- Content domains: questionnaire or methods from literature
- Question selection: Expert & patient consulting
- Final selection and adaptation: Expert consultation

3. Usability testing

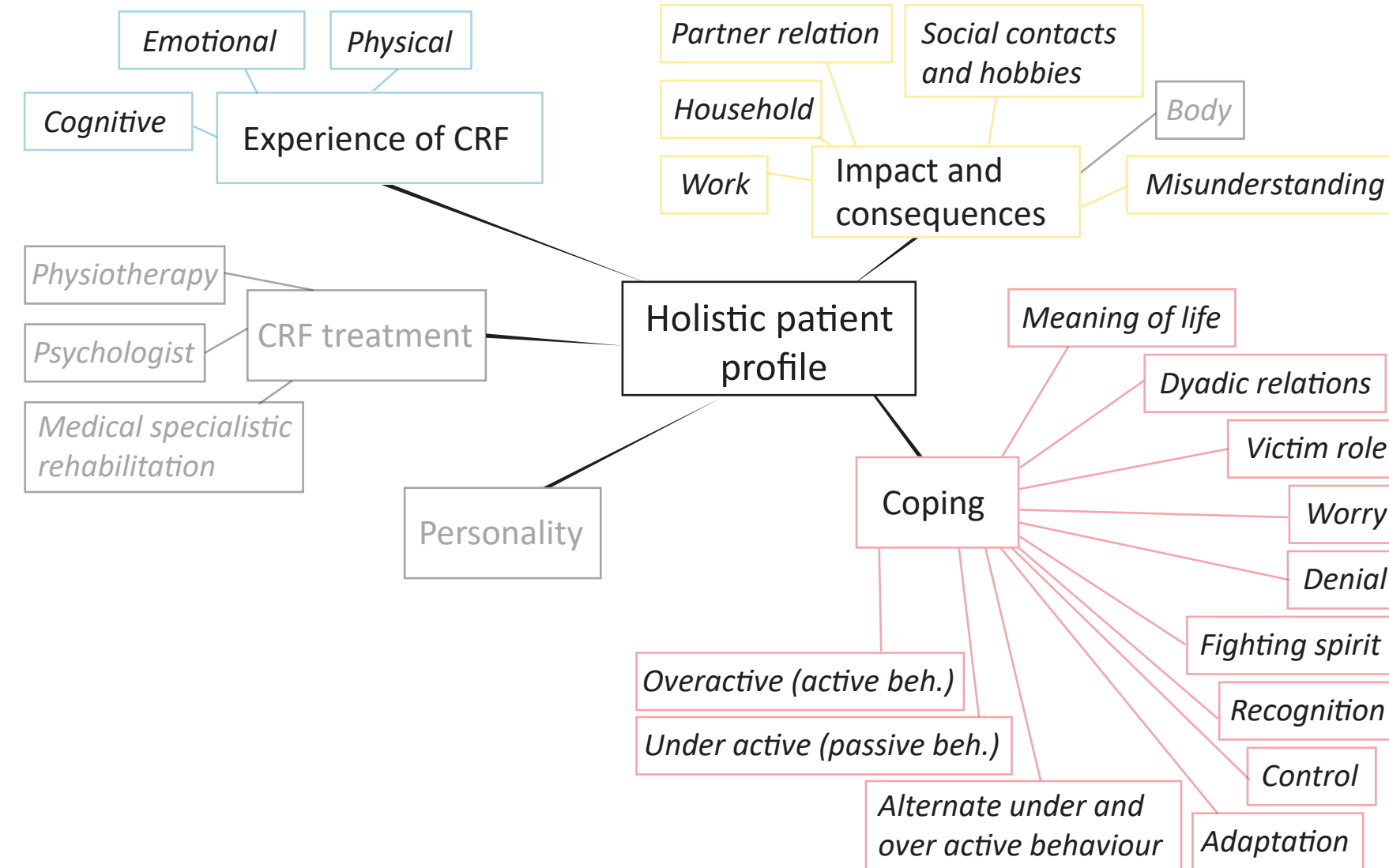


4. Feasibility testing

- One month usage (bi-weekly) n = 19
- Focus group user experience n = 11

Results

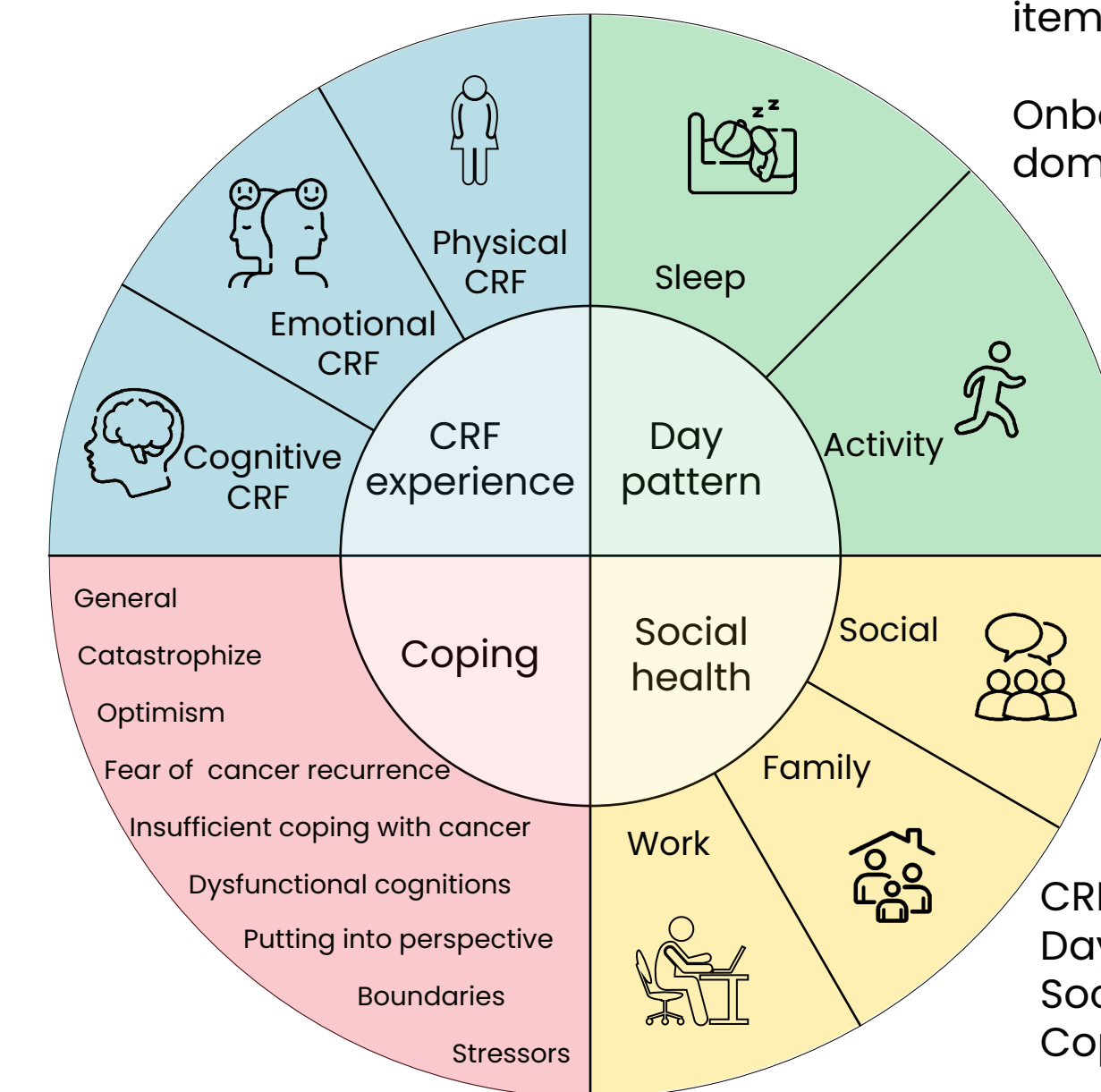
1. Holistic patient profile [3]



3. Usability testing

- Questionnaire easy usable (90%)
- Only minor textual changes suggested

2. Holistic assessment CRF



110 questionnaires relevant > items of 21 questionnaires selected

Onboarding questions > deepening domains (sleep, activity, social)

CRF experience 17 items
Day pattern 20 items
Social health 15 items
Coping 20 items

4. Feasibility testing

- 84% used questionnaire
- Desired improvements
 - Introduction page
 - Remember login details
 - Reminder for available questionnaires

Study partners



Conclusion

CRF is a multi-domain phenomenon
Development of first holistic assessment questionnaire

Future research

- Longitudinal study to assess variability of holistic assessment questionnaire
- Ability of wearable to assess day pattern
- Holistic assessment questionnaire data visualization

Acknowledgement

This research is supported by KWF Kankerbestrijding and NWO Domain AES, as part of their joint strategic research programme: Technology for Oncology II. The collaboration project is co-funded by the PPP Allowance made available by Health-Holland, Top Sector Life Sciences & Health, to stimulate publicprivate partnerships.

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Contact me



Presenter