

# Living With Life-Limiting Illness:

## ADAPTING THE PARENTING CONCERNS QUESTIONNAIRE FOR PATIENTS WITH ADVANCED CANCER

Savannah M Bowers (1), Mian Wang PhD (1), Anna C Muriel MD MPH (2), Paula K Rauch MD (3), Teresa Edwards MA (1), Samantha Yi (1), Yulissa Gonzalez (1), Magdelene Ramon AS

Affiliations: (1) University of North Carolina - Chapel Hill; (2) Dana Farber Cancer Institute; (3) Massachusetts General Hospital

(1), Brittany Daniel, Eliza M Park MD FACLP (1)

### BACKGROUND

- Patients with advanced cancer and minor children report high depression and anxiety and poorer quality of life. No existing measures evaluate parenting concerns in advanced cancer.
- **Objective:** Adapt and psychometrically test the Parenting Concerns Questionnaire (PCQ) for patients with advanced cancer (PCQ-AD).

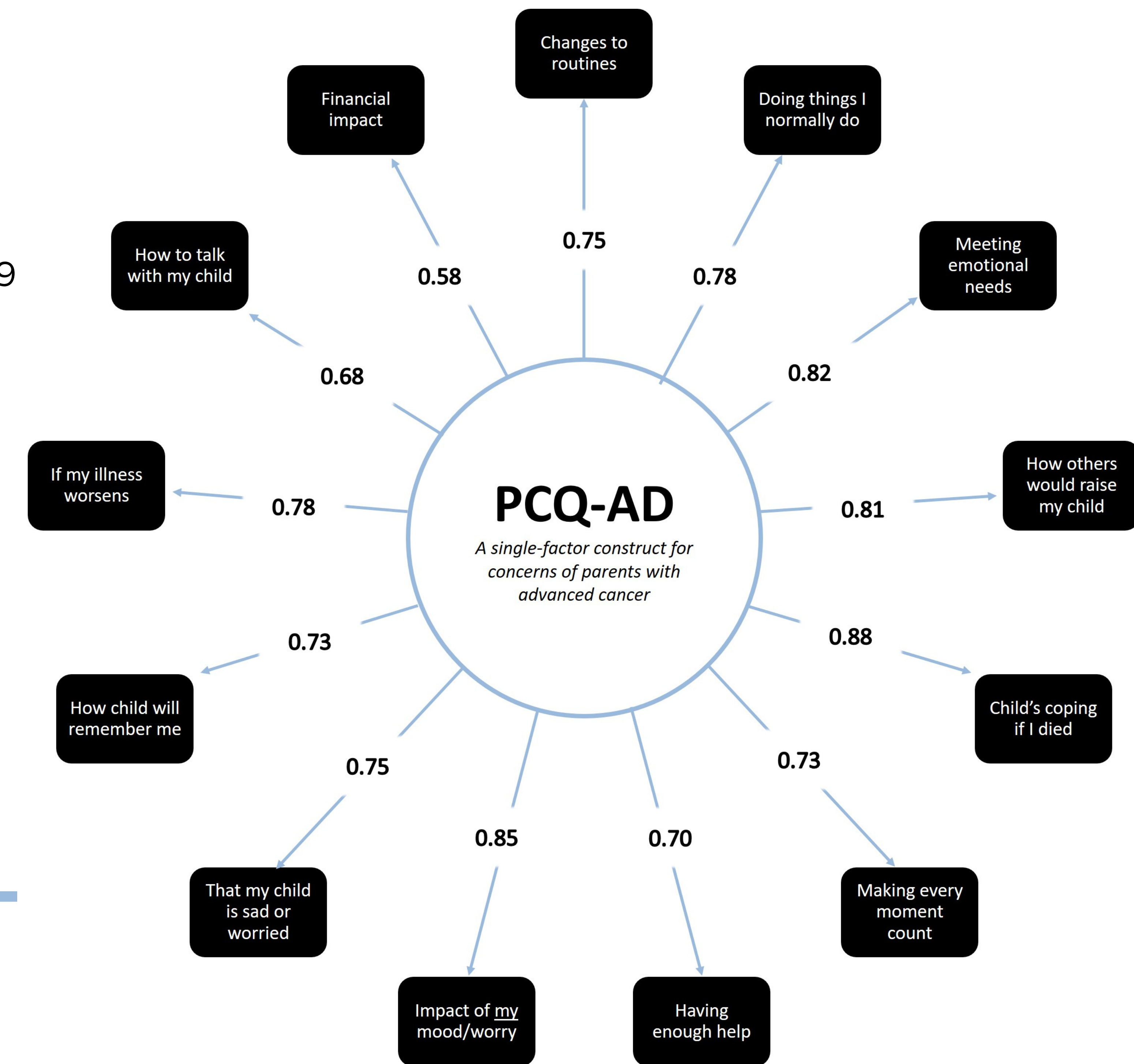
### RESULTS

#### Reliability and validity:

0.58 < Item-rest correlations < 0.79

Cronbach's alpha = 0.94

Composite reliability = 0.95



### METHODS

- 8** semi-structured interviews to generate candidate items
- 23** cognitive interviews to revise the item bank
- 151** parents completed the 21-item revised measure
- 8** redundant items removed using item response theory
- 13** items in revised measure using confirmatory factor analysis (CFA)



LEARN MORE

Standardized factor loading

Scale item concept

### DISCUSSION

- **The PCQ-AD demonstrates promise as a measure of parenting concerns in the advanced cancer population.**
- Unique constructs include communication, parenting ability, and legacy work.

### REFERENCES

1. Muriel AC, Moore CW, Baer L, et al. Measuring psychosocial distress and parenting concerns among adults with cancer: the Parenting Concerns Questionnaire. *Cancer* 2012;118:5671-8.  
2. Nilsson ME, Maciejewski PK, Zhang B, et al. Mental health, treatment preferences, advance care planning, location, and quality of death in advanced cancer patients with dependent children. *Cancer* 2009;115:399-409.  
3. Park EM, Deal AM, Check DK, et al. Parenting concerns, quality of life, and psychological distress in patients with advanced cancer. *Psycho-oncology* 2016;25:942-8.

FUNDING

1. National Institutes of Health, #5K07CA218167 (Park)  
2. Doris Duke Charitable Foundation, #2015213 (Park)  
3. North Carolina Translational Science Institute, #2KR891706 (Park)

