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Quality of Life Resource

[Key Concepts](#)
[Instruments](#)
[Specific Diseases](#)
[Measurement Properties](#)
[Recent Abstracts](#)
[Credits](#)

INSTRUMENTS

 [A-E](#)
 [F-J](#)
 [K-O](#)
 [P-T](#)
 [U-Z](#)
 [Home](#)

BACK TO: [Home](#) > [Instruments](#) > [A-E](#)

Cystic Fibrosis Questionnaire (CFQ); Cystic Fibrosis Questionnaire Revised (CFQ-R)

Name of Questionnaire

Cystic Fibrosis Questionnaire (CFQ); Cystic Fibrosis Questionnaire Revised (CFQ-R)

Description

Disease-specific instrument designed to measure impact on overall health, daily life, perceived well-being and symptoms. Developed specifically for use in patients with a diagnosis of cystic fibrosis. Three versions of the instrument have been developed: one for adults and adolescents 14 years of age and older (CFQ Teen/Adult); two for assessing children ages 6-13 years, one to be completed by the child and one to be completed by parent (CFQ Child and CFQ-Parent respectively).

Developer

B Henry, P Aussage, C Grosskopf, JM Goehrs, R Launois and the French CFQOL Study Group

Developer of English CFQ and CFQ-R

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Cost & Availability

Available from the authors. American English Translation available from A.L. Quittner.

Administration

Self-administered, proxy administered, and interview administered for young children (1)(2)(3)

Time to complete

CFQ14+: 15 minutes. CFQ Child P: 15 minutes. CFQ Child C: 15 minutes.

Number of items in CFQ English translation

CFQ Teen/Adult: 48. CFQ Parent: 44. CFQ Child 6-13: 35

Number of items in CFQ-R

CFQ-R Teen/Adult: 50. CFQ-R Parent: 44. CFQ-R Child: 35.

Domains & Categories (#)

3 modules: health related quality of life (HRQoL), symptoms and overall health perception. 9 HRQoL domains in the CFQ Teen/Adult, 8 domains in the CFQ Parent, and 7 domains in the CFQ Child. 3 symptom scales (only 2 symptom scales for the CFQ Child C) and 1 overall health perception scale.

Name of categories/domains CFQ

9 quality of life domains: Physical Functioning, Vitality, Emotional state, Social limitations, Role Limitations/School Performance, Embarrassment, Body Image, Eating Disturbances, Treatment Constraints. 3 symptom scales: Respiratory, Digestive, Weight. 1 health perception scale: Health Status (present/evolution).

Name of categories/domains CFQ-R

9 Quality of life domains:

Physical, role/school, vitality, emotion, social, body image, eating, treatment burden, health perceptions.

3 symptom scales:

Weight, respiratory, and digestion.

Scaling of items

5 distinct 4-point Likert scales (e.g., always/often/ sometime/never)

Scoring

Scores for each HRQoL domain; after recoding, each item is summed to generate a domain score and standardized. Scores range from 0 to 100, with higher scores indicating better health.

CD-Rom Program available for scoring the CFQ-R.

Reliability

a. Test-retest/reproducibility: Reported (1)(2)

b. Internal consistency: Reported (1)(2)(3)

Validity

Significant correlations with subscales in the Nottingham Health Profile (NHP) (Physical, Energy, Emotional state). (1) Significant correlation with FEV1 and BMI. Significant correlations between CFQ Child P and CFQ Child C. (3) Differentiates between disease categories (based on Shwachman-FVC or FEV1- BMI). (1)(2)

Responsiveness

Reported (1); Based on clinician judgment of global clinical change, a moderate change was a standardized effect size of 0.50 units and an important change was a standardized effect size of 0.80 units evaluating pre- and post-treatment for CF exacerbation. (1)

Research use

Reported (1)(2)(3)(4)(6), including clinical trial (5)

Clinical use

Not reported.

Languages

Original: French

Translations: American English (3,4), German (2), Dutch (7), Portuguese

On going translation Spanish, Italian, Greek, Hebrew, Turkish.

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