

## BEACH CENTER FAMILY QUALITY OF LIFE SCALE Psychometric Characteristics and Scoring Key



The Beach Center Family Quality of Life Scale (hereafter referred to as FQOL Scale) assesses families' perceptions of their satisfaction with different aspects of family quality of life. The focus of our original development of the FQOL Scale was on families of children with disabilities ages birth through 21. We are currently studying its application to families of children without disabilities and families of adults with disabilities.

### ***General Description***

The FQOL Scale contains five subscales: Family Interaction, Parenting, Emotional Well-being, Physical / Material Well-being, and Disability-Related Support. This scale is designed to be used as a research tool. Some examples of potential uses of the scale include:

- As a pre- and post-test to measure the effectiveness of an intervention
- As an outcome measure for programs or services
- As a measure of a dependent or independent variable

The FQOL Scale is not to be used to determine or deny eligibility for services nor is it a clinical measure for diagnostic purposes.

### ***How It Was Developed***

The initial framework for scale development resulted from extensive literature reviews, focus groups, and individual interviews with family members of children with disabilities, individuals with disabilities, service providers, and administrators of service agencies. These representatives were asked to describe things that were "important for families to have a good life together."

The research team then analyzed the transcripts to put together all comments in similar groups or categories. These, in turn, were grouped in ten domains of family quality of life: *Family Interaction, Parenting, Daily Life, Financial Well-Being, Emotional Well-Being, Social Well-Being, Health, Physical Environment, Advocacy, and Productivity*. (see a detailed description of this stage of development in Poston, Turnbull, Park, Mannan, Marquis, & Wang, 2003).

Next, we developed a pilot version of the FQOL Scale containing 112 items, which was administered to a sample of 1197 individuals from 459 families. An exploratory factor analysis produced a 5-factor solution: *Family Interaction, Parenting, General Resources, Health and Safety, and Support for Persons with Disabilities* (see details in Park et al., 2003).

Further validation of the factor structure of the FQOL Scale occurred in two rounds of study involving a total of 488 families. The final FQOL Scale was refined through confirmatory factor analyses into 25 items that assess 5 domains: *Family Interaction*, *Parenting*, *Emotional Well-being*, *Physical/Material Well-being*, and *Disability-Related Support*.

### ***Psychometric Properties***

For a detailed description of the psychometric evaluation of the FQOL Scale, see Hoffman, Marquis, Poston, Summers, and Turnbull, 2006. Here is a brief summary of the findings reported in that article:

#### *Reliability:*

- Cronbach's alpha for the FQOL subscales on Importance ratings was .94 and on Satisfaction ratings was .88.
- Test-retest reliability was examined in both importance and satisfaction responses for each of the FQOL subscales. All correlations were significant at the .01 level or beyond (*df* from 59 to 63).
- For importance, the correlations between time points were .54 for Family Interaction, .66 for Parenting, .70 for Emotional Well-being, .42 for Physical / Material Well-being, and .77 for Disability-Related Support.
- For satisfaction, the correlations between time points were .75 for Family Interaction, .71 for Parenting, .76 for Emotional Well-being, .77 for Physical / Material Well-being, and .60 for Disability-Related Support.

#### *Validity:*

- Both item-level overall FQOL structure (a second-order factor of FQOL, measured by 5 factors, which were in turn measured by their items as observed variables) and subscale-level FQOL structure (a first-order factor of FQOL, measured by the 5 subscale item means as observed variables) were examined.
- The item-level overall FQOL importance model had acceptable fit,  $\chi^2(270) = 617.28$ ,  $p < .001$ , CFI = .87, RMSEA = .07.
- The subscale-level FQOL model had excellent fit,  $\chi^2(5) = 3.41$ ,  $p = .63$ , CFI = 1.00, RMSEA = .00.
- The convergent validity was tested between the FQOL subscales and relevant existing measures. The Family APGAR (Smilkstein, Ashworth, & Montano, 1982), a 5-item measure of family functioning, was significantly correlated with the satisfaction mean for the Family Interaction FQOL subscale,  $r(87) = .68$ ,  $p < .001$ .
- The Family Resource Scale (Dunst & Leet, 1987), a 30-item measure of family resources, was significantly correlated with the 5 items on the Physical/Material Well-Being domain,  $r = .60$ ,  $p < .001$ ,  $n = 60$ .

## **Family Quality of Life Scale – Scoring & Items**

The FQOL Scale uses satisfaction as the primary response format. The anchors of the items rated on satisfaction are rated on a 5-point scale, where 1 = *very dissatisfied*, 3 = *neither satisfied nor dissatisfied*, and 5 = *very satisfied*.

### *Items*

There are 25 items in the final FQOL scale. Below are the items keyed to each of the first sub-scales domains:

#### Family Interaction

- My family enjoys spending time together.
- My family members talk openly with each other.
- My family solves problems together.
- My family members support each other to accomplish goals.
- My family members show that they love and care for each other.
- My family is able to handle life's ups and downs.

#### Parenting

- Family members help the children learn to be independent.
- Family members help the children with schoolwork and activities.
- Family members teach the children how to get along with others.
- Adults in my family teach the children to make good decisions.
- Adults in my family know other people in the children's lives (i.e. friends, teachers).
- Adults in my family have time to take care of the individual needs of every child.

#### Emotional Well-being

- My family has the support we need to relieve stress.
- My family members have friends or others who provide support.
- My family members have some time to pursue their own interests.
- My family has outside help available to us to take care of special needs of all family members.

#### Physical / Material Well-being

- My family members have transportation to get to the places they need to be.
- My family gets dental care when needed.
- My family gets medical care when needed.
- My family has a way to take care of our expenses.
- My family feels safe at home, work, school, and in our neighborhood.

## Disability-Related Support

- My family member with special needs has support to make progress at school or workplace.
- My family member with special needs has support to make progress at home.
- My family member with special needs has support to make friends.
- My family has a good relationship with the service providers who work with our family member with a disability.

## Cited References

Poston, D., Turnbull, A., Park, J., Mannan, H., Marquis, J., & Wang, M. (2003). Family quality of life outcomes: A qualitative inquiry launching a long-term research program. *Mental Retardation, 41*(5), 313-328.

Park, J., Hoffman, L., Marquis, J., Turnbull, A.P., Poston, D., Mannan, H., Wang, M., & Nelson, L. (2003). Toward assessing family outcomes of service delivery: Validation of a family quality of life survey. *Journal of Intellectual Disability Research, 47*(4/5), 367-384.

Hoffman, L., Marquis, J.G., Poston, D.J., Summers, J.A., & Turnbull, A. (2006). Assessing family outcomes: Psychometric evaluation of the family quality of life scale. *Journal of Marriage and Family, 68*, 1069-1083.

## Additional References

Summers, J.A., Marquis, J., Mannan, H., Turnbull, A.P., Fleming, K., Poston, D.J., Wang, M., & Kupzck, K. (2007). Relationship of perceived adequacy of services, family-professional partnerships, and family quality of life in early childhood service programs. *International Journal of Development, Disability, and Education.*

Summers, J.A., Poston, D.J., Turnbull, A.P., Marquis, J., Hoffman, L., Mannan, H., & Wang, H. (2005). Conceptualizing and measuring family quality of life. *Journal of Intellectual Disability Research, 49*(10), 777-783.

Turnbull, A.P. (2004). President's address 2004: "Wearing two hats": Morphed perspectives on family quality of life. *Mental Retardation, 42*(5), 383-399.

Wang, M., Mannan, H., Poston, J., Turnbull, A.P., & Summers, J.A. (2004). Parents' perceptions of advocacy activities and their impact on family quality of life. *Research & Practice for Persons with Severe Disabilities, 29*(2), 144-155.

- Wang, M., Summers, J.A., Little, T., Turnbull, A., Poston, D., & Mannan, H. (2006). Perspectives of fathers and mothers of children in early intervention programmes in assessing family quality of life. *Journal of Intellectual Disability Research*, 50(12), 977-988.
- Wang, M. Turnbull, A.P., Summers, J.A., Little, T.D., Poston, D.J., Mannan, H., & Turnbull, R. (2004). Severity of disability and income as predictors of parents' satisfaction with their family quality of life during early childhood years. *Research & Practice for Persons with Severe Disabilities*, 29(2), 82-94.
- Zuna, N.I., Selig, J.P., Summers, J.A., & Turnbull, A.P. (2009). Confirmatory factor analysis of a family quality of life scale for families of kindergarten children with disabilities. *Journal of Early Intervention*, 31(1), 111-125.
- Eskow, K., Pineles, L., & Summers, J.A. (2011). Exploring the effect of autism waiver services on family outcomes. *Journal of Policy and Practice in Intellectual Disabilities*, 8(1), 28-35.
- Turnbull, A.P., Turnbull, H.R., Summers, J.A., & Poston, D. (2008). Partnering with families of children with developmental disabilities to enhance family quality of life. In H.P. Parette & G.R. Peterson-Karlan (Eds.), *Research-based practices in developmental disabilities*, 2<sup>nd</sup> Ed. (pp. 481-500). Austin, TX: Pro-Ed.
- Zuna, N., Summers J. A., Turnbull A. P., Hu, X., & Xu S. (2010). Theorizing about family quality of life. In R. Kober (Ed.), *Enhancing the Quality of Life of People with Intellectual Disability. From Theory to Practice* (pp. 241–278). Springer, Dordrecht.
- Chiu, C., Kyzar, K., Zuna, N., Turnbull, A.P., Summers, J.A., & Gomez, V.A. (2013). Family quality of life. In M.L. Wehmeyer (Ed.), *The Oxford handbook of positive psychology and disability*. New York, NY: Oxford University Press.
- Chiu, C., Turnbull, A.P., & Summers, J.A. (in press). Family quality of life. In S. Lopez (Ed.), *Encyclopedia of Positive Psychology* (3<sup>rd</sup> Ed.).