

Translation and Validation of the Pediatric Quality of Life Inventory for Children in Pakistani Context

Authors : Nazia Mustafa, Aneela Maqsood

Abstract : Pediatric Quality of Life Inventory is the most widely used instrument for assessing children and adolescent health-related quality of life and has shown excellent markers of reliability and validity. The current study was carried out with the objectives of translation and cross-language validation along with the determination of factor Structure and psychometric properties of the Urdu version. It was administered on 154 Primary School Children with age range 10 to 12 years ($M = 10.86$, $S.D = 0.62$); including boys ($n=92$) and girls ($n = 62$). The sample was recruited from two randomly selected schools from the Rawalpindi district of Pakistan. Results of the pilot phase revealed that the instrument had good reliability (Urdu Version $\alpha = 0.798$; English Version $\alpha = 0.795$) as well as test-retest correlation coefficients over a period of 15 days ($r = 0.85$). Exploratory factor analysis (EFA) resulted in three factorial structures; Social/School Functioning ($k = 8$), Psychological Functioning ($k = 7$) and Physical Functioning ($k = 6$) considered suitable for our sample instead of four factors. Bartlett's test of sphericity showed inter-correlation between variables. However, factor loadings for items 22 and 23 of the School Functioning subscale were problematic. The model was fit to the data after their removal with Cronbach's Alpha Reliability coefficient of the scale ($k = 21$) as 0.87 and for subscales as 0.75, 0.77 and 0.73 for Social/School Scale, Psychological subscale and Physical subscale, respectively. These results supported the feasibility and reliability of the Urdu version of the Pediatric Quality of Life Inventory as a reliable and effective tool for the measurement of quality of life among Pediatrics Pakistani population.

Keywords : primary school children, paediatric quality of life, exploratory factor analysis, Pakistan

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