Abstract

COOP Adolescent Chart: Validity and Reliability in the Turkish Language

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Abstract

Backgrounds: Primarily, actions to be taken for adolescents are providing secure and supportive environments, providing information regarding health, providing counseling and health services in order to aid their talent development.

Objective: This is a methodological research to test the validity and reliability of COOP Adolescent charts, a new scale that helps assessing the adolescent health, which would be used for the first time in Turkey.

Methodology: COOP Adolescent charts was created by Eugene C. Nelson and John H. Wasson who gave permission to test the validity and reliability of the instrument within the Darthmouth Project. The research was applied in Turkish on 698 students attending to 6th to 8th classes, each were 11 – 15 years old and selected upon stratified sampling among 14.233 adolescents; the study took place between 1st-31st December 2009 in Hatay – Turkey, test retest method was used with 1 hour interval.

Results: In terms of reliability, the results were highly satisfactory. First, the reliability coefficients were computed using Cronbach's Alpha, they were found to be sufficiently high: 0.7322 - 0.7765. The survey's item-total coefficients resumed values between 0.355 - 0.853, suggesting a well correlation with the scale. Later, we obtained high KMO index (0.838) that predicts suitable factoring for sampling adequacy. Finally, in factor analysis, the factor load of items was found to be greater than 0.50, and variance was calculated as 52.024%. This study hereby indicates that, COOP Adolescent Chart "the Turkish adaptation" has similarly high values in the following: item-total correlation, internal consistency, and correlation coefficient on similar scales, the score consistency produced by use of the test-retest reliability coefficient, and construct validity.

Conclusion: Thus, this measurement, which was adapted to Turkish language and developed receiving expert opinions and their approvals, is recommended for use on adolescents as validly and reliably as in the same way with the original version. This adopted measurement tool may validly and reliability be used on all adolescents just like in the original measurement tool.

Key Words: COOP Adolescent Chart, Validity - Reliability