



Development of Alcohol Behavioral Assessment Tool for Hill Tribe Adolescents: Validity and Reliability of the Tool

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ABSTRACT

Introduction: Drinking alcohol is a significant health behavior that should be changed. Hill tribe adolescents face a significant increase in the number of new drinkers. Changes in alcohol drinking behavior among hill tribe adolescents must be carried out according to the factors measured by quality measuring tools.

Objective: This research aims to study the validity and reliability of an alcohol behavioral assessment tool for hill tribe adolescents to help evaluate their drinking alcohol behavior.

Methods: Mixed Methods are divided into qualitative and quantitative research. In-depth interviewers collected the hermeneutic phenomenology data. The Lahu tribe village and the informants were selected for convenience sampling. They are three drinking and three non-drinking Lahu tribe adolescents, one community leader, two health promotion hospital staff, two village health volunteers, two youth parents, and two youth friends. The data was analyzed by Leonard's method and applied to PRECEDE MODEL. Five experts validated the content validity based on the index of item-objective congruence (IOC). In terms of internal consistency reliability, it was calculated by Cronbach's alpha coefficient from the experimental survey of 30 hill tribe adolescents.

Results: The assessment tool was divided into 6 parts: 1) Population characteristics questionnaire, 2) Alcohol drinking behavior interview form, 3) Predisposing factors in alcohol knowledge questionnaire, 4) Predisposing factors in beliefs about drinking alcohol questionnaire, 5) Predisposing factors in values about drinking alcohol questionnaire, and 6) Reinforcing factors and enabling factors questionnaire. The quality of the tool in terms of content validity, IOC of edited parts 1 - 5 was 0.81 - 1.00. Regarding reliability, Cronbach's Alpha Coefficient of edited parts 3-5 were 0.70, 0.78, and 0.70, respectively.

Conclusion: The alcohol behavioral assessment tool for hill tribe adolescents was consistent with the content validity and reliability according to the specified criteria. It will allow researchers to accurately assess drinking behavior and use the information to plan further health behavior change programs.

Keywords: assessing alcohol behavioral; hill tribe adolescents