



## DEVELOPMENT AND STANDARDIZATION OF TINNITUS HANDICAP INVENTORY IN BANGLA

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### ABSTRACT

*The aim of the study was to develop and standardize a Bangla version of the Tinnitus Handicap Inventory (THI) and to determine the validity, internal consistency reliability and test-retest reliability of the Bangla version of the Tinnitus Handicap Inventory (THI-Bangla) for clinical and research purposes in Bengali population. The THI-Bangla was administered to thirty patients suffering from tinnitus, aged between 30 to 45 years. The clients were selected from the audiological department of AYJNISHD, ERC Kolkata. The client having tinnitus without any medical problem was included in the group. The correlation between THI-Bangla scores and matched loudness of tinnitus showed acceptable correlation ( $r=0.614$ ). In case of correlation of THI- Bangla and matched pitch of the participants the result showed  $r=0.621$  which indicates an acceptable correlation. Inter item correlation was calculated using the Cronbach's alpha test indicated the inter item correlation of total THI was 0.845 the inter-item correlation of functional, emotional and catastrophic sub scale were, 0.850, 0.813 and 0.637, respectively. The Pearson product-moment correlation was done among the sub scales. The association between functional and emotional sub-scale was high ( $r=0.951$ ). The association between the emotional and catastrophic sub-scale were good ( $r= 0.889$ ). Internal association was observed between functional and catastrophic sub-scale were also high ( $r= 0.987$ ) Kendall's tau\_b test was administered to identify the test-retest reliability. The correlation coefficient was 1.000, which indicates, correlation is significant at 0.01 levels. This study demonstrated that the Bangla version of THI (THI- Bangla) is a valid and reproducible tool to assess the psychosocial complaints of tinnitus sufferers.*

*Key Words : Tinnitus , Handicap ,*