2 Original Article

Portuguese Version of the Suicidal Behaviors Questionnaire-Revised

Validation Data and the Establishment of a Cut-Score for Screening Purposes

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Abstract: The aim of the present study is to provide validation data regarding the Portuguese version of the Suicidal Behaviors Questionnaire-Revised in nonclinical individuals. Two studies were undertaken with two different nonclinical samples in order to demonstrate reliability, concurrent, predictive, and construct validity, and in order to establish an appropriate cut-score for nonclinical individuals. A sample of 810 community adults participated in Study 1. Results from this study provided information regarding scale internal consistency, exploratory and confirmatory factor analysis, and concurrent validity. Receiver operating characteristic curve analysis established a cut-off score to be used for screening purposes with nonclinical individuals. A sample of 440 young adults participated in Study 2, which demonstrated scale score internal consistency and 5-month predictive validity. Further, 5-month test-retest reliability was also evaluated and the correlations of SBQ-R scale scores with two other measures that assess constructs related to suicidality, depression and psychache, were also performed. In addition, confirmatory factor analysis was undertaken to demonstrate the robustness of the result obtained in Study 1. Overall, findings supported the psychometric appropriateness of the Portuguese Suicidal Behaviors Questionnaire-Revised.

Keywords: Suicidal Behaviors Questionnaire-Revised, Portuguese version, validation data, nonclinical samples, cut-score

Suicide and suicidal behaviors are an important public health problem, not only in clinical populations but also in community populations. Worldwide, almost 1 million die by suicide each year (National Institute of Mental Health, 2009). In Portugal, over 1,000 people die by suicide every year (10.3 per 100,000 in the population; National Institute of Statistics, 2013). For every death by suicide, there are many times more attempted suicides and, further, a previous suicide attempt is the single most relevant risk factor for subsequent death by suicide in the general population (World Health Organization, 2014).

Suicide is the third primary cause of death in the university and college age group (Troister, D'Agata, & Holden, 2015), with research indicating that 9.5% of students have seriously considered suicide in the previous year and 1.5% have attempted to die by suicide (American College Health 40 41 Association, 2000). In demonstrating the occurrence of sui-42 cidal behaviors in nonclinical populations, another investi-43 gation of over 26,000 students at 70 US colleges (Drum, 44 Brownson, Burton Denmark, & Smith, 2009) found that 45 6% of undergraduate and 4% of graduate students had 46 seriously considered suicide and 0.85% of undergraduate and 0.30% of graduate students had attempted to die by47suicide in the previous 12 months. Despite the importance48of predicting suicidal behaviors, their prediction remains49an extremely difficult task (Overholser, Braden, & Dieter,502012), because suicidal behaviors are regarded as a multi-51factorial phenomenon (e.g., Hawton & van Heeringen,522009).53

Many attempts to develop measures for assessing suicide 54 risk have been undertaken (Brown, 2001), in particular 55 developing instruments focused on suicidal behaviors or 56 other behaviors that are closely associated with suicidal 57 risk. Brief screening measures are useful in order to include 58 or exclude at-risk participants in clinical samples, or to 59 screen and detect potentially suicide at-risk individuals in 60 the community and in epidemiological studies. Examples 61 of these short screening measures (Brown, 2001) are the 62 Paykel Suicide Items, the Suicidal Ideation Screening 63 Questionnaire, and the suicide item of the Hamilton Rating 64 Scale for Depression. The Paykel Suicide Items (Paykel, 65 Myers, Lindenthal, & Tanner, 1974) consist of five inter-66 viewer-administered questions that have increasing levels 67 of intent. The Suicidal Ideation Screening Questionnaire 68