

# Psychometric properties of the Brief Resilient Coping Scale (BRCS): A first study of its longitudinal measurement invariance in the Spanish context

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## Poster

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## Abstract

Background: Resilience has proved to be essential for nursing students due to their higher levels of academic stress. Among the developed tools for its measurement, the Brief Resilient Coping Scale (BRCS) is commonly used in the nursing context. However, no evidence on its longitudinal measurement invariance has been provided. Aim: The aim of this study is to present evidence on the psychometric properties, including its longitudinal invariance, of the BRCS in a sample of Spanish nursing students. Methods: A longitudinal design was used. Research took place at the University of Valencia and the University of the Balearic Islands (Spain). Participants were 257 nursing students, in the first (Wave 1) and second year (Wave 2) of the Nursing Degree. Analyses included descriptive statistics, reliability estimates, confirmatory factor analysis, and a longitudinal measurement invariance routine. Results: Evidence of reliability showed by the scale was adequate, and a one-factor solution for the structure was found in the two time occasions. Additionally, the BRCS showed evidence of invariance over time. Conclusions: The Spanish version of the BRCS is a brief instrument that can contribute to the assessment of resilience in nursing students, a key ability for both nursing students and professional nurses. Additionally, evidence on its longitudinal measurement invariance has been gathered. Therefore, the results of current research point to the adequacy of the Spanish version of the BRCS for assessing changes in nursing students' resilient coping, whether they are caused by educators' behaviors and methodology interventions.

## Keywords

resilience; validity; reliability; longitudinal invariance.

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