P1-11: Psychometric Testing of the Wang-34 Scale Among Pregnant Women in West Virginia

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Abstract Categories:
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Abstract:
Introduction: Stress during pregnancy has a great influence on a woman’s subsequent adaptation to outcomes of childbirth and delivery. Objectives: This study investigates the psychometric properties of the Wang-34 Scale in a sample of pregnant women in WV. Research questions: (a) Is there evidence of cross-cultural equivalency in concepts and language in Chinese and English versions in the Wang-34 Scale? (b) Is the Wang-34 Scale a reliable and valid tool to measure constructs of pregnancy stress in WV women?

Method(s): Translation and back translation were conducted by three bilingual researchers to determine the conceptual and language equivalency for cross-cultural study in pregnant women in WV. Exploratory factor analysis (EFA) and internal consistency reliability were used to examine the performance of the Wang-34 Scale. This study was a cross-sectional and correlation study. The study was approved by WVU Institutional Review Board. Data were collected in three obstetric and gynecological clinics in southern WV. A total of 198 pregnant women voluntarily participated in the study. Criteria for participating in the study were that the women were (a) pregnant, (b) had no medical problems, and (c) were able to speak and read English.

Results: Three and-four-factor structures emerged for the Wang-34 Scale and the overall internal reliability of the Wang-34 Scale, as measured by Cronbach’s alpha is 0.89 for total scale, with alpha ranging from 0.60 to 0.87 for the subscales. The results support the construct validity of the Wang-34 Scale’s translation and scoring of the stress items.
Discussion & Conclusions: The development of the Wang-34 Scale is an important step to test and measure stress during pregnancy in WV women. Further studies using diverse cultural groups to investigate pregnancy stress scales should be conducted for validating the cultural relevancy of the instrument, particularly, if it is being considered for use with other cultural groups. The Wang-34 Scale is an improved, valid, and reliable measure of pregnancy stress and can be used to prioritize interventions aimed at preventing stress during pregnancy.

Abstract History:
This abstract has not been presented or accepted for presentation in whole or in part at the SNRS or other scientific meeting.
none

Financial Disclosure:
No, I (or a member of my immediate family) have not received something of value* from or own stock (or stock options) in a commercial company or institution related directly or indirectly to the subject of my presentation.

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