

PROMIS Emotional Distress and Sleep-Wake Function Scales

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Technology description

Summary

Pittsburgh PROMIS is responsible for the development, testing, and validation of the emotional distress banks: two subdomains of internalizing problems (depression and anxiety) and two subdomains of externalizing problems (anger/aggression and alcohol abuse). Pittsburgh PROMIS is also conducting an independent study for the development of sleep and wake function item banks.

Description

The development and calibration of the Pittsburgh PROMIS scales for depression, anxiety, anger, sleep disturbance, and wake disturbance were undertaken beginning in March, 2004 and continue to date. The calibration sample included nearly 15,000 individuals (community, psychiatric outpatients, and those with sleep disorders) representative of national census demographics. Based on analyses informed by both classical test theory and item response theory (IRT), expert review, and patient review, final banks of items were calibrated for depression (28 items), anxiety (29), anger (29), sleep disturbance (27), and wake disturbance (16). Unidimensional models could be satisfactorily fit to the constructs. Results indicate that the Pittsburgh PROMIS scales have sound psychometric properties of internal consistency; reliability; construct, content, convergent, and discriminative validity; and independence from gender, age, and education level. More information and precision were provided in the moderate to severe ranges than gold standard measures.

Institution

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