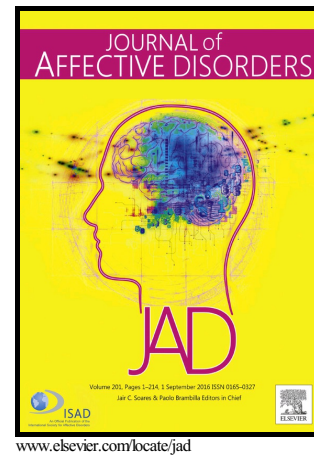


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**Assessment of depression before and after inpatient rehabilitation in COPD patients:
Psychometric properties of the German version of the Patient Health Questionnaire (PHQ-
9/PHQ-2)**

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Abstract

Background

Depression is a frequent comorbidity of COPD and leads to worse clinical COPD-outcomes. PHQ-9 and PHQ-2 are two widely used brief instruments to assess depression. However, psychometric properties in COPD patients are unknown. This study examines factorial validity, measurement invariance and composite reliability (CR) of PHQ-9/PHQ-2, respectively, and concordance between both tools.

Methods

This is a secondary analysis of N=561 COPD patients who filled out the PHQ-9 at the begin (T0), the end (T1) and 3/6/9/12 (T2/T3/T4/T5) months after pulmonary inpatient rehabilitation. Structural equation modeling was used to examine factorial validity and measurement invariance between gender, GOLD disease severity groups and over time. Concordance was assessed using Cohen's Kappa, Yules Y, positive and negative agreement.

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