

## **O86 The Reha-Toolbox Project: Integrating PROMIS for nationwide performance measurement in Germany's rehabilitation quality assurance program**

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**Objective:** The Reha-Toolbox project, commissioned by the German Pension Insurance, aims to methodologically and conceptually revise the current nationwide patient survey used in medical rehabilitation. As part of the national Rehabilitation Quality Assurance Program, which mandates comparisons across providers, the project seeks to replace the existing peer-based survey with an electronic pre-post assessment. The goal is to establish a psychometrically sound, meaningful, and user-friendly core outcome set for routine quality monitoring across Germany's rehabilitation landscape.

**Methods:** Building on a review of standardization initiatives (e.g., ICHOM) and a preceding project, we developed a cross-indication core outcome set using the PROMIS Profile domains as the conceptual foundation. This preliminary set underwent evaluation through seven interdisciplinary focus groups with 64 experts from diverse disciplines. For outcome domains not sufficiently covered by German-language PROMIS measures, we either identified complementary validated instruments or developed new items. This was followed by an assessment of comprehensibility, completeness, and usability through cognitive interviews with 25 patients.

**Results:** The resulting core set includes the seven PROMIS Profile domains, supplemented by PROMIS Cognitive Function, PROMIS Self-Efficacy for Managing Symptoms, a work ability item (from the Work Ability Index), and additional symptom burden items. Cognitive interview findings confirmed high comprehensibility, relevance, and usability of the final instrument. PROMIS CATs are employed to improve measurement precision, reduce patient burden, and enable standardized and interpretable results across rehabilitation indications. The online survey design was further optimized for accessibility and patient engagement.

**Conclusions:** The Reha-Toolbox project has developed a cross-indication, patient-centered core outcome set to modernize Germany's rehabilitation quality assurance process. The integration of PROMIS-instruments ensures a high level of standardization, comparability, and interpretability. A large-scale field study (N≈18,000) will evaluate psychometric properties and feasibility. The final instrument is intended for routine use within the German Rehabilitation Quality Assurance Program.