Self-report measures for children and youth should not only be psychometrically sound... they must also be user-friendly, developmentally appropriate, and feasible to complete!

### Background

Engagement is affective, cognitive, and behavioural investment and involvement in therapy (King et al., 2014). It contributes to:
- Effective treatment delivery and outcomes (McKay & Bannon, 2004)
- Treatment adherence and goal achievement (Sung et al., 2001)
- Family-centered care (King et al., 2020)

The Pediatric Rehabilitation Intervention Measure of Engagement (PRIME) team is creating measures of engagement for use in rehabilitation contexts.

### Goals of integrative literature review:
1. Identify published child/youth (8-18 years) self-report measures
2. Assess their clinical utility, including useability and feasibility (Law, 2004)
3. Provide recommendations to develop a child engagement measure

### Literature search

- **Databases**: PsycINFO, CINAHL, Embase, Scopus, Web of Science
- **Keywords**: ‘child/youth engagement’ or ‘participation’ & ‘self-report measure’
- **Excluded**: if for infants or adults, not self-report, not available in English, did not use a Likert-type scale, only used binary responses (e.g. yes or no), and/or focused on substance use or sexual behaviour

### Clinometric properties and design features

- ‘Excellent’ instruction quality for 8 of 11 measures
- Majority could be completed in 10 minutes or less
- Rating scales most often had 4, 5, or 6 options, and were usually fully labelled
- Measures for younger children used images, colours, or other graphics alongside text labels
- **Simple vocabulary** and instructions
- Reliability and variability of measures were more variable

### Recommendations and next steps

To enhance clarity and usability, the PRIME child and youth measure should employ design features like:
- Fully-labelled response scale that also includes images, colours, or other graphics
- Bipolar scale with a single anchor statement
- Simplified vocabulary, syntax, response option labels, and instructions

Tool to be user-tested and pilot-tested with youth

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