

Quality of PROM development

| PROM | PROM design | | | | | | | Cognitive interview (CI) study ² | | | | TOTAL PROM DEVELOPMENT | Reference |
|--|-----------------------------|---------------------------|--|----------------------|---|----------------------------------|-------------------|---|-------------------|-------------------|----------------|------------------------|-----------|
| | General design requirements | | | | | Concept elicitation ¹ | Total PROM design | General design requirements | Comprehensibility | Comprehensiveness | Total CI study | | |
| | Clear construct | Clear origin of construct | Clear target population for which the PROM was developed | Clear context of use | PROM developed in sample representing the target population | | | | | | | | |
| Quebec Back Pain Disability Scale | V | V | D | V | D | D | D | I | D | D | I | I | 1 |
| Brief Pain Inventory | V | V | A | V | D | D | D | | | | | I | 1 |
| PROMIS Physical Function 4-item short form | V | V | V | V | D | A | D | D | A | D | D | D | 1 |
| PROMIS Physical Function 6-item short form | V | V | V | V | D | A | D | D | A | D | D | D | 1 |
| PROMIS Physical Function 8-item short form | V | V | V | V | D | A | D | D | A | D | D | D | 1 |
| PROMIS Physical Function 10-item short form | V | V | V | V | D | A | D | D | A | D | D | D | 1 |
| PROMIS Physical Function 20-item short form | V | V | V | V | D | A | D | D | A | D | D | D | 1 |
| Low Back Pain Rating Scale | D | V | D | V | I | | I | | | | | I | 1 |
| Multidimensional Pain Inventory | D | V | D | V | I | | I | | | | | I | 1 |
| Oswestry Disability Index 1.0 | V | A | D | V | I | | I | | | | | I | 1 |
| Oswestry Disability Index 2.1a (including 2.0 and 2.1) | I | D | I | A | I | | I | | | | | I | 1 |
| Oswestry Disability Index "chiropractic" version | I | D | I | A | I | | I | | | | | I | 1 |
| Oswestry Disability Index "Fritz" version | I | D | I | A | I | | I | | | | | I | 1 |
| Roland Morris Disability Questionnaire 24-item version | D | A | D | V | I | | I | | | | | I | 1 |
| Roland Morris Disability Questionnaire 23-item version | D | D | I | A | I | | I | | | | | I | 1 |
| Roland Morris Disability Questionnaire 18-item version | D | D | I | A | I | | I | | | | | I | 1 |
| Short Form 36 | V | V | V | V | I | | I | | | | | I | 2 |
| Short Form 12 | V | V | V | V | I | | I | | | | | I | 2 |
| EuroQol 5D | I | D | V | V | I | | I | | | | | I | 2 |
| Nottingham Health Profile | D | D | I | D | I | | I | | | | | I | 2 |
| PROMIS Global Health 10-item short form | V | V | V | V | I | | I | | | | | I | 2 |

Ratings

V = very good
A = adequate
D = doubtful
I = inadequate

¹ When the PROM was not developed in a sample representing the target population, the concept elicitation was not further rated

² Empty cells indicate that a CI study (or part of it) was not performed

References

- Chiarotto A, Ostelo RW, Boers M, Terwee CB. A systematic review highlights the need to investigate the content validity of patient-reported outcome measures for physical functioning in low back pain. J Clin Epidemiol Nov 2018;95:73-93
- Chiarotto A, Terwee CB, Kamper SJ, Boers M, Ostelo RW. Evidence on the measurement properties of health-related quality of life instruments is largely missing in patients with low back pain, a systematic review. Submitted.