

Patient Reported Outcome Measure



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Terminology/ definitions

Patient Reported Outcome Measure:

Self-evaluated measurements of any aspect of a patient's health status, without interpretation of the patient's response by a clinician or anyone else ¹
(different kinds of questionnaires are used)



Terminology/ definitions

Instrument:

A specific questionnaire used to collect patient reported outcome measurement data ('measure', 'scale', 'tool')



Terminology/ definitions

Item:

A single question within a domain or questionnaire ²

Terminology/ definitions

Domain:

A sub-score within a questionnaire meant to cover a specific condition of interest, e.g. 'Bodily Pain' ('dimension', 'subscale') ²

Terminology/ definitions

Construct:

A well-defined and precisely demarcated subject of measurement (by psychologists used for unobservable characteristics, such as 'health-related quality of life')³



Terminology/ definitions

Generic:

A patient reported outcome measure concerning general health and designed to be used in any disease population and cover a broad aspect of the construct measured



Terminology/ definitions

Condition-targeted:

A patient reported outcome measure developed specifically to measure those aspects of outcome that are of importance for patients with a particular medical condition ('disease-specific', 'injury-specific', or 'site-specific')

Often used/ validated PROMs

General musculoskeletal function:

Name	Danish version	License requirements	Link
Short Musculoskeletal Function Assessment (SMFA)	Not yet	None	http://www.ortho.umn.edu/research/mfa-smfa-resources/index.htm

Often used/ validated PROMs

Neck:

Name	Danish version	License requirements	Link
Copenhagen Neck Functional Disability Scale (CNFDS)	Yes	None	http://www.ncbi.nlm.nih.gov/pubmed/9798180
Neck Disability Index (NDI)	Yes	Yes Mapi Research Trust	http://www.ncbi.nlm.nih.gov/pubmed/1834753

Often used/ validated PROMs

Back:

Name	Danish version	License requirements	Link
Oswestry Disability Index (ODI)	Yes	Yes Mapi Research Trust	http://www.ncbi.nlm.nih.gov/pubmed/11074683
Roland Morris Disability Questionnaire (RMDQ)	Yes	None	http://www.rmdq.org/
Core Outcome Measures Index (COMI)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/19319578
Spine Functional Index (SFI)	Yes	Yes Contact author	http://www.ncbi.nlm.nih.gov/pubmed/24370272

Often used/ validated PROMs

Shoulder:

Name	Danish version	License requirements	Link
Oxford Shoulder Score (OSS)	Yes	Yes Isis Innovation	http://www.ncbi.nlm.nih.gov/pubmed/18183410
Western Ontario Osteoarthritis of the Shoulder index (WOOS)	Yes	Yes Contact author	http://www.ncbi.nlm.nih.gov/pubmed/11795997
Shoulder Pain And Disability Index (SPADI)	Yes	None	http://www.ncbi.nlm.nih.gov/pubmed/11188601

Often used/ validated PROMs

Shoulder:

Name	Danish version	License requirements	Link
Subjective Shoulder Value (SSV)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/18061114
American Shoulder and Elbow Surgeons Society standardized shoulder assessment form - Patient-reported section (pASES)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/22958838
Simple Shoulder Test (SST)	Not yet	None	http://www.orthop.washington.edu/PatientCare/Our Services/ShoulderElbow/Articles/SimpleShoulderTest.aspx

Often used/ validated PROMs

Elbow:

Name	Danish version	License requirements	Link
Oxford Elbow Score (OES)	Yes	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/the-oxford-elbow-score-oes/
Patient Rated Elbow Evaluation (PREE)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/11382250

Often used/ validated PROMs

Hand and Wrist:

Name	Danish version	License requirements	Link
Michigan Hand Outcomes Questionnaire (MHQ)	Not yet	Yes http://umich.edu/	http://mhq.lab.medicine.umich.edu/home
Patient-Rated Wrist Evaluation (PRWE)	Yes	None	http://www.ncbi.nlm.nih.gov/pubmed/23596992
Australian/Canadian Osteoarthritis Hand Index (AUSCAN)	Yes	Yes www.auscan.org	http://www.auscan.org/auscan/index.htm

Often used/ validated PROMs

Arm, Shoulder and Hand:

Name	Danish version	License requirements	Link
Disabilities of the Arm, Shoulder and Hand (DASH)	Yes	None#	http://dash.iwh.on.ca/
Disabilities of the Arm, Shoulder and Hand questionnaire - Short version (QuickDASH)	Yes	None#	http://dash.iwh.on.ca/

Often used/ validated PROMs

Hip:

Name	Danish version	License requirements	Link
Hip disability and Osteoarthritis Outcome Score (HOOS)	Yes	None	http://www.koos.nu/
HOOS Physical function Short form (HOOS-PS)	Yes	None	http://www.koos.nu/
The Copenhagen Hip And Groin Outcome Score (HAGOS)	Yes	None	http://www.koos.nu/
Oxford Hip Score (OHS)	Yes	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/oxford-hip-score-ohs/

Often used/ validated PROMs

Hip:

Name	Danish version	License requirements	Link
International Hip Outcome Tool -12 (IHOT-12)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/22542433
International Hip Outcome Tool -33 (IHOT-33)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/22542434
Nonarthritic Hip Score (NAHS)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/12579003
Modified Harris Hip Score (mHHS)	Yes*	None	http://www.ncbi.nlm.nih.gov/pubmed/25417179

Often used/ validated PROMs

Hip and Knee:

Name	Danish version	License requirements	Link
Western Ontario and McMaster Universities Arthritis Index (WOMAC 3.1 Index)	Yes	Yes www.womac.org	http://www.womac.com/womac/index.htm
Hip Outcome Score (HOS)	Yes*	None	http://www.ncbi.nlm.nih.gov/pubmed/25417179
Forgotten Joint Score (FJS-12)	Yes	Yes www.forgotten-joint-score.info	http://www.forgotten-joint-score.info/

Often used/ validated PROMs

Knee:

Name	Danish version	License requirements	Link
Knee injury and Osteoarthritis Outcome Score (KOOS)	Yes	None	http://www.koos.nu/
KOOS Physical function Short form (KOOS-PS)	Not yet ^α	None	http://www.koos.nu/
Oxford Knee Score (OKS)	Yes	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/oxford-knee-score-oks/

Often used/ validated PROMs

Knee:

Name	Danish version	License requirements	Link
Knee Society Score (KSS)	Yes*	None	http://www.ncbi.nlm.nih.gov/pubmed/24453578
Knee Outcome Survey - Activities of Daily Living Scale (KOS-ADLS)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/24304695
Oxford Knee Score - Activity and Participation Questionnaire (OKS-APQ)	Not yet	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/oxford-knee-score-activity-participation-questionnaire-oks-apq/

Often used/ validated PROMs

Lower extremity/ ankle/ foot:

Name	Danish version	License requirements	Link
Lower Extremity Functional Scale (LEFS)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/10201543
Foot and Ankle Outcome Score (FAOS)	Not yet	None	http://www.koos.nu/
Manchester Foot Pain and Disability Index (MFPDI)	Yes	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/manchester-foot-pain-disability-index-mfpdi/

Often used/ validated PROMs

Ankle/ foot:

Name	Danish version	License requirements	Link
Self-reported Foot and Ankle Score (SEFAS)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/22313352
Foot Function Index (FFI)	Yes	None	http://www.ncbi.nlm.nih.gov/pubmed/16842719
Olerud-Molander Ankle Score (OMAS)	Not yet	None	http://www.ncbi.nlm.nih.gov/pubmed/6437370
Manchester-Oxford Foot Questionnaire (MOxFQ)	Not yet	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/manchester-oxford-foot-questionnaire-moxfq/

Often used/ validated PROMs

Children:

Name	Danish version	License requirements	Link
Knee injury and Osteoarthritis Outcome Score - Child (KOOS-Child)	Yes	None	http://www.koos.nu/
Oxford Ankle Foot Questionnaire for Children (OxAFQ-C)	Not yet	Yes Isis Innovation	http://isis-innovation.com/outcome-measures/the-oxford-ankle-foot-questionnaire-for-children-oxafq-c/

Often used/ validated PROMs

Sarcoma/ amputations:

Name	Danish version	License requirements	Link
Prosthetic Mobility Questionnaire (MPQ)	Not yet	Yes Contact author	http://www.ncbi.nlm.nih.gov/pubmed/25783231
Toronto Extremity Salvage Score (TESS)	Yes	None	http://www.ncbi.nlm.nih.gov/pubmed/24393584

Thank you for your attention

