Title:
A framework for best practices in clinical outcome assessment (COA) concept mapping: A case study

Journal:
Quality of Life Research

Authors:
Meaghan O'Connor[a] (moconnor@qualitymetric.com), Lynne Broderick[a], Miranda Lauher-Charest[a], Laura Tesler Waldman[a], Kristi Jackson[a], Mark Kosinski[a], Michelle Carty[a]

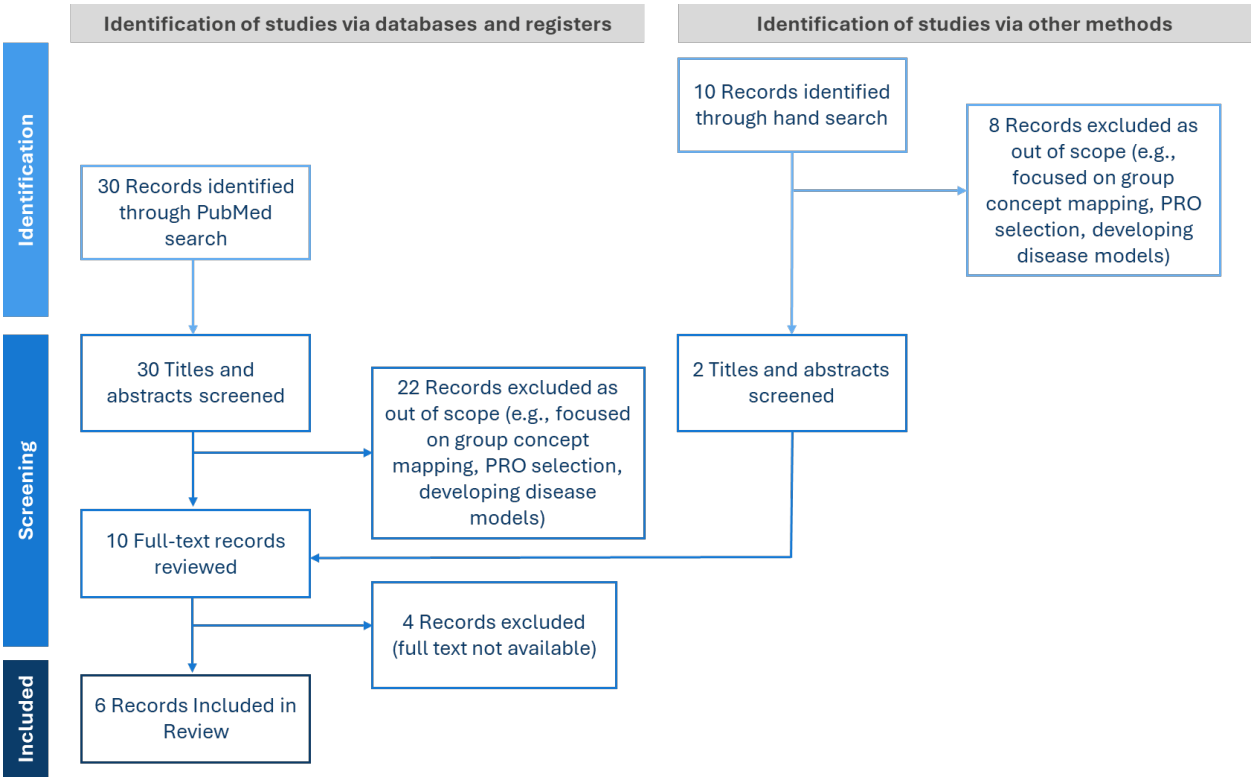
[a]Quality Metric, Johnston, RI, USA

Supplementary File 1.

Supplementary File 1, Table 1. Targeted Literature Review Search Strings

Database	Search Terms	Total Records
Google	The following terms and phrases were searched: • "Mapping patient data to PRO" • "Qualitative interview data and PRO development" • "Concept mapping" • "Content matching" • "PRO linking" • "Outcomes research and mapping patient data"	10
PubMed	((((ICF) OR (ICF categories)) AND (outcome research)) AND (outcome assessment)) AND (interview)	30
CINAHL SocINDEX	"patient-reported outcome measure AND mapping OR matching"	2

Supplementary File 1, Figure 1. Targeted Literature Review PRISMA Diagram



Supplementary File 1, Figure 2. Focus Group Participant Descriptions

Group 1 (n=4)

The first focus group included 4 participants, each of whom had more than 15 years of experience in research at the time of data collection. All 4 participants had extensive experience working in health economics and outcomes research (HEOR), designing and leading studies to evaluate the validity of clinical outcome assessments (COAs) among different populations and/or developing new COAs. Three participants frequently serve on special interest groups for ISOQOL. Two participants are noted leaders in the field of HEOR and are considered experts in the SF-36v2. One participant has 20+ years of experience in qualitative research as both a study lead and consultant, guiding research teams across scientific topics (including but not limited to HEOR) in the optimal use of qualitative research software. All 4 participants were active members of ISOQOL and ISPOR.

Group 2 (n=5)

The second focus group included 5 participants, with HEOR and COA evaluation experience ranging from 4 years to 20 or more years at the time of data collection. Two participants were trained in quantitative research methods/psychometrics and the remaining 3 were trained in qualitative research methods (with backgrounds in public health, psychology, and medical anthropology). All participants had extensive experience working in HEOR, both designing and leading studies to evaluate the validity of COAs or developing new COAs. One participant is a noted leader in the field of psychometrics and is considered an expert on the SF-36v2. All 5 participants were active members of both ISOQOL and ISPOR.