

COAMI: Towards better osteoarthritis care

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Introduction: The Chronic Osteoarthritis Initiative (COAMI) was established in order to provide a better model of chronic care for OA. Culturally relevant patient decision aids appropriate for all levels of health literacy are fundamental to this model. This project assessed “What decision aids are currently available for patients with OA and what are the strengths and limitations of the decision aids?”

Methods: An extensive literature review, conference calls with leading experts on shared decision making (SDM) to identify OA decision aids.

Results: Nine existing decision aids were identified. The strengths, limitations and cost (if information was available) of each decision aid were summarized (see table).

Conclusion: Although there are a number of existing decision aids for patients with OA, there are also limitations and gaps:

- **Lack of decision aids specifically geared towards low socioeconomic status (SES) and health literacy populations**
- **Barriers included requirements for health literacy, internet access, and cultural relevance.**

Development of decision aids for OA could be improved by addressing disparities for racial and ethnic minorities and patients with low SES and health literacy.

SHARED DECISION MAKING (SDM) Tools for Osteoarthritis

Tools	Author/ Developer	Strengths	Limitations	Cost
DVD w/ Booklet	Kevin J. Bozic, MD	-Able to compare and contrast alternative treatment options -Booklet is written in simple language (low health literacy required to understand)	-Booklets can be lengthy -Not as interactive Evaluation of Tool: survey score of above 50% on the Hip/Knee Osteoarthritis Decision Quality Instrument (http://www.informedmedic aldeciions.org/wp-content/uploads/2014/04/Measuring_DQ_Sepucha_Fowler_Final.pdf)	
Option Grid	Katy Marrin	- inclusive to low literacy populations - Able to compare and contrast alternative treatment options	-Information may not be substantial enough to aid patient -Not as interactive Evaluation of Tool: OPTION scale (http://www.automsproject.org/link/option_scale.pdf)	
Online Assessments	Healthwise	-Allows for input of patient opinions (interactive) -Assesses patient understanding with quiz questions -personal stories from other patients to help aid in decision making process	-People without internet/computers would not have easy access to this tool	-Free (Note: These assessments have already been assessed using the IPDAS criteria)
ANSWER (Animated, Self-Serve, Web-based, Research) tool	Arthritis Research Centre of Canada	-Thorough -Interactive -Simple terminology (can allow easy understand for those with low health literacy)	-People without access to internet/computers may have difficulty using this tool Note: This is a rheumatoid arthritis tool that may provide a template for a novel osteoarthritis decision aid	Free
Should I Have Ultrasound Treatment for osteoarthritis?	Cochrane Musculoskeletal Group			Free
What are my options for managing hip and knee arthritis?	Cochrane Musculoskeletal Group			Free
Should I have transcutaneous (TENS) for osteoarthritis?	Cochrane Musculoskeletal Group			Free

COAMI: Next Steps

- Synthesis of an evidence-based OA care pathway based on systematic reviews of existing pathways
- Design and testing of a OA liaison model to promote OA prevention, early treatment
- Assess the identified aids using International Patient Decision Aids Standards with the addition of cost, time, health literacy scope, and cultural competency scope
- Ongoing assessment of SDM to achieve equitable care in OA prevention and treatment to include possible modification or development of aids that better address disparities in OA care