Recent Advances in Developing Patient Decision Aids to Promote Shared Decision Making
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Annotated Bibliography

Books

Special Issues of Journals Focused on Patient Decision Making (these are gold mines of information on background, reviews of research, conceptual issues, trends).
British Medical Journal- Patients as Partners in Care 1999; vol 319.

MEDLINE indexed Journals that Frequently Publish Articles on Decision Aids (Including Development and Pilot Testing).
Medical Decision Making
Health Expectations
Patient Education and Counseling

Society Meetings with Abstract Categories and Interest Groups in Shared Decision Making
Society for Medical Decision Making
International Society for Technology Assessment in Health Care

Reviews of the Efficacy of Decision Aids and Their Elements

2001


2000

1999


**Situations requiring decision aids**

Forthcoming from U.S. Preventive Task Force: Guidelines on shared decision making when discussing preventive options. With the revised rating system, “C” class recommendations will focus exclusively on ‘close call’ decisions or those sensitive to patient preferences. The role of clinicians in counseling regarding these and other classes of recommendations is currently being debated.


**Conceptual Frameworks of Providing Decision Support for Patients**

**Prescriptive Frameworks that start with Expected Utility Maximization to Guide Decision Making**

Dowie J. What decision analysis can offer the clinical decision maker. Why outcome databases such as KIGS and KIMS are vital sources for decision analysis. Hormone Research. 1999;51 Suppl 1:73-82.


**Descriptive Frameworks that Use Expectations and Values and other Determinants of Decision Making Behaviour to Structure Decision Support**


Annotated Bibliography of Shared Decision Making


Transactional Frameworks that Describe Patient and Practitioner Roles in Shared Decision Making


Rothert M, Talarczyk GJ. Patient compliance and the decision making process of clinicians and patients. J Compliance Health Care 1987;2:55-71. From Michigan State University. Describes the mutual roles of patients and practitioners and the central role of information and values.

Measures for Evaluating Decision Aids

Overview of issues and measures:

See essays written by several leading authorities on defining “a good decision” in Effective Clinical Practice 1999;2(4):163-170.


O’Connor A, Llewellyn-Thomas H, Sawka C, Pinfold S, To T, Harrison D. Physicians’ opinions about decision aids for patients considering systemic adjuvant therapy for axillary-node negative breast cancer. Patient Edu Counsel. 1997;30:143-53. Describes criteria for evaluation that would convince a random sample of oncologists that a decision aid was ‘effective’.
**Decisional Conflict**


**Patient:** O’Connor, A. M. Validation of a Decisional Conflict Scale. Med Decis Making. 1995; 15(1), 25-30. **Keywords:** decisional conflict scale; conceptual framework decisional conflict; 16 items; 3 subscales: uncertainty Re decision; factors contributing to uncertainty; perceived effective decision making; test-retest 0.81; internal consistency 0.78-0.92; discriminant validity high; population immunization, breast screening. See also: Bunn H, O’Connor AM. Validation of client decision making instruments in the context of psychiatry. Can J Nurs Res 1996;28(3):13-27. See website at WWW.OHRI.CA/programs/clinical_epidemiology/ohdec/measures for most up to date versions, and applications to several populations.

**Decision Making Style, Preference**


Lerman, C.E., Brody, D.S., Caputo, G.C., Smith, D.G., Lazaro, C.G., & Wolfson, H.G. Patients' Perceived Involvement in Care Scale: relationship to attitudes about illness and medical care. J Gen Intern Med. 1990;5:29-33. **Keywords:** decision aid tool; perceived involvement in care scale; attitudes to illness and management of illness (Dr. facilitation of patient involvement, level of info exchange; participation in decision making) ; reliability/validity; internal consistency; .


**Decision Regret**

O’Connor A. et al. Medical Decision Making 2001. Nov/Dec/ Abstracts section. 5 item scale. Cronbach's alpha coefficient 0.92. Regret scores correlate with health outcomes, satisfaction with decision making. Scale discriminates between passive and active involvement in decision making & shows trend in discriminating between decision supporting interventions in those changing the status quo.

**Informed Choice**

Marteau TM, Dormandy E, Michie S. A measure of informed choice. Health Expect 2001;4(2):99-108. 8 item scale of knowledge of antenatal screening, 4 item scale of attitudes toward undergoing screening test, and record of test uptake. Alpha 0.82-0.83.

**Satisfaction with decisions, decision making**


Guyatt, G. H., Mitchell, A., Molloy, D. W., Capretta, R., Horsman, J., Griffith, L. Measuring patient and relative satisfaction with level of aggressiveness of care and involvement in care decisions in the context of life threatening illness. Journal of Epidemiology 1995;48:1225-1224. **Keywords:** decision aid tool; indices; patient satisfaction index (23 items) which measures
Annotated Bibliography of Shared Decision Making

patient and relative satisfaction with aggressiveness of Tx and degree of participation in decision making; relative of competent patient satisfaction index (34 items); relative of incompetent patient satisfaction index (29 items); 102 elderly patients and 153 relatives, recruited 8 nursing homes; intraclass correlations 0.86-0.94; correlations with global ratings high (0.59-0.75)

Hollen, P.J. Psychometric properties of two instruments to measure quality decision making. Res Nursing Health. 1994;17:137-148. Keywords: decision aid tool; decision making quality scale, (DMQS) version x2 (self and other); decision making quality inventory; (DMQI) (version V2- teens, parents); conceptual basis; Janes and Mann conflict model; DMQS 7 criteria; canvassing of alternatives and objectives; evaluation of consequences; search for info; unbiased assimilation of new info; reevaluation of consequences; planning for implementation contingencies, (7 items); DMQI decision making style (5 types) through 6 stages of decision making (24 items), acceptability, reliability, content validity described.

Holmes-Rovner, M., Kroll, J., Rothert, M. L., Schmitt, N., Rovner, D. R., Breer, L., Padonu, G., & Talarczyk, G. Patient satisfaction with health care decisions. The Satisfaction with Decision Scale. Med Decis Making. 1996;16(1):58-64. Keywords: decision aid tool; satisfaction with decision tool; global satisfaction with decision and 3 attributes of effective decision; differentiates satisfaction with decision from satisfaction with provider, desire to participate in decision; 6 items; 250 women hormone replacement therapy; feasibility high; correlation with decisional conflict scale / confidence in decision scale.

McCusker, J. Development of scales to measure satisfaction and preferences regarding long-term and terminal care. Med Care. 1984;22:476-493. Keywords: decision aid tool; measuring attitudes toward medical care of chronically and terminally ill patients and families; conceptual framework: Breslau twelve scales, three versions; internal consistency, discriminant validity, convergent validity) evaluated for each scale.


Roberts, C. S., Cox, C. E., Reintgen, D. S., Baile, W. F., & Gilbertini, M. Influence of physician communication on newly diagnosed breast patients' psychologic adjustment and decision-making. Cancer,. 1994;74:336-341. Keywords: decision aid tool; cancer diagnostic interview scale; patient perception of surgeon behaviour; info-giving or interpersonal; 18 items; internal consistency