**Table of included studies and outcomes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Ref #** | **First author** | **Date** | **Topic** | **Decision Quality Outcomes** | **Decision Process Outcomes** | **Other Outcomes** |
| 1 | Allen | 2010 | Prostate cancer screening | Knowledge  Concordance | DCS  CPS | Decision self-efficacy  Stage of decision making |
| 2 | Arterburn | 2011 | Bariatric surgery | Knowledge  Concordance | DCS | Decision self-efficacy  Preference  Preferred choice  Outcomes expectancies |
| 3 | Berry | 2013 | Prostate cancer |  | DCS | Choice  Acceptability  Anxiety |
| 4 | Bjorklund | 2012 | Down Syndrome Screening | MMIC  Knowledge | Experience with Information | Choice  Attitude |
| 5 | Bozic | 2013 | Knee osteoarthritis | Knowledge |  | Choice  Satisfaction  Stage of Decision making |
| 6 | Brazell | 2014 | Pelvic organ prolapse |  | DCS | Choice  Decision Regret |
| 7 | Chabrera | 2015 | Prostate cancer | Knowledge | DCS | Satisfaction  Coping |
| 8 | Chambers | 2012 | Influenza immunization |  |  | Choice  Confidence |
| 9 | de Achaval | 2012 | Knee osteoarthritis |  | DCS | Preferred choice |
| 10 | Evans | 2010 | Prostate cancer screening | Knowledge | DCS | Choice  Intention  Preference  Anxiety |
| 11 | Fagerlin | 2011 | Breast cancer prevention |  | DCS | Choice  Intention  Preference  Risk perception |
| 12 | Fraenkel | 2012 | Nonvalvular atrial fibrillation | Knowledge  Realistic expectations | DCS | Choice  Preference  Anxiety  Discussion with Doctor |
| 13 | Hanson | 2011 | Assisted feeding options | Knowledge  Realistic expectations | DCS | Choice  Decision regret  Satisfaction  Discussion with doctor |
| 14 | Hess | 2012 | Cardiac stress testing | Knowledge | DCS  OPTION | Choice  Satisfaction  Trust in Physician |
| 15 | Jibaja-Weiss | 2011 | Breast cancer surgery | Knowledge | DCS | Choice  Satisfaction (2) |
| 16 | Knops | 2014 | Abdominal aortic aneurism | Knowledge | DCS | Choice  Anxiety/Depression  Quality of life |
| 17 | Kupke | 2013 | Dental treatment | Knowledge |  | Preference  Satisfaction |
| 18 | Kuppermann | 2014 | Prenatal genetic testing | Knowledge  Realistic expectations | DCS | Choice  Decision Regret |
| 19 | Labrecque | 2010 | Vasectomy | Knowledge | DCS | Preferred choice |
| 20 | Lam | 2013 | Breast cancer surgery | Knowledge | DCS  OPTION  Perceived decision making difficulties | Choice  Decision Regret  Anxiety/Depression  Quality of life |
| 21 | Langston | 2010 | Contraception |  |  | Choice  Adherence |
| 22 | LeBlanc | 2015 | Osteoporosis | Knowledge  Realistic expectations | DCS  OPTION | Choice  Adherence  Clinician DCS  Satisfaction  QoL  Duration of encounter |
| 23 | Legare | 2012 | Antiobiotics for acute respiratory infection |  | DCS  CPS  Perceived decision quality | Choice  Intention  Decision regret |
| 24 | Legare | 2011 | Antiobiotics for acute respiratory infection |  | DCS  CPS  Perceived decision quality | Adherence  Intention  Decision regret  Desire for shared decision making |
| 25 | Leighl | 2011 | Colorectal cancer chemotherapy | Knowledge | DCS  CPS | Choice  Preference  Satisfaction with decision aid  Satisfaction with visit  Information style  Anxiety |
| 26 | Lepore | 2012 | Prostate cancer screening | Knowledge  Concordance | DCS | Choice  Preference  Anxiety/Depression |
| 27 | Mann | 2010 | High cholesterol | Knowledge  Realistic expectation | DCS | Adherence  Beliefs about medicines |
| 28 | Marteau | 2010 | Diabetes screening |  |  | Choice  Intention  Satisfaction |
| 29 | Mathers | 2012 | Diabetes | Knowledge | DCS  CPS | Preferred choice  Perceived risk  Decision regret |
| 30 | Mathieu | 2010 | Breast cancer screening | MMIC  Knowledge |  | Choice  Attitudes |
| 31 | McCaffery | 2010 | Cervical cancer screening | Knowledge |  | Risk perception  Satisfaction (2)  Cancer screening questionnaire  Anxiety  Worry  Self esteem  Intrusive thoughts |
| 32 | Miller | 2011 | Colorectal cancer screening |  | Stage of change | Choice  Preferred choice |
| 33 | Montori | 2011 | Osteoporosis | Knowledge | DCS  OPTION | Choice  Adherence (2)  Satisfaction  Trust in physician |
| 34 | Mott | 2014 | Mental health |  |  | Choice  Preference |
| 35 | Myers | 2011 | Prostate cancer screening | Knowledge | DCS  Braddock Informed Choice | Choice  Preference |
| 36 | Raynes-Greenow | 2010 | Childbirth | Knowledge  Concordance | DCS  CPS | Choice  Satisfaction  Stage of decision making  Anxiety |
| 37 | Rubel | 2010 | Prostate cancer screening | Knowledge | DCS  CPS | Preference (2)  Risk perception  Anxiety |
| 38 | Sawka | 2012 | Thyroid cancer | Knowledge | DCS  CPS | Choice  Preferred choice |
| 39 | Schroy | 2011 | Colorectal cancer screening | Knowledge  Concordance |  | Choice  Preference (2)  Satisfaction |
| 40 | Schwalm | 2012 | Coronary angiogram access | Knowledge  Concordance | DCS | Choice  Risk perception |
| 41 | Sheridan | 2011 | Heart disease |  |  | Choice  Adherence |
| 42 | Shourie | 2013 | MMR Vaccine | Knowledge | DCS | Choice  Cognitions  Beliefs  Anxiety  Engagement with decision aid |
| 43 | Smith | 2010 | Colorectal cancer screening | MMIC  Knowledge | DCS  CPS | Choice  Preference  Decision self-efficacy  Anxiety  Worry |
| 44 | Solberg | 2010 | Uterine fibroids | Knowledge  Concordance | Treatments offered | Choice  Preference  Satisfaction |
| 45 | Stacey | 2014 | Knee Osteoarthritis | Knowledge  Concordance | SURE scale  Preparation for decision making scale | Choice |
| 46 | Steckelberg | 2011 | Colorectal cancer screening | MMIC  Knowledge |  | Choice  Preference |
| 47 | Taylor | 2006 | Prostate cancer screening | Knowledge | DCS | Choice  Intention |
| 48 | van Peperstraten | 2010 | Fertility | Knowledge | Decision Evaluation Scale  Perceived Knowledge | Choice  Self-efficacy  Anxiety  Depression  Cost |
| 49 | Williams | 2013 | Prostate cancer screening |  | DCS | Choice  Satisfaction  Discussion with doctor |

DCS=Decisional Conflict Scale; CPS=Control Preference Scale; MMIC=Multidimensional Measure of Informed Consent

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**2019 IPDAS Establishing Effectiveness Chapter Update REDCap Codebook**

Note: Data abstraction tool repeated the following variables to include up to 12 total instruments per published paper.

|  |  |  |
| --- | --- | --- |
| **Variable / Field Name** | **Field Label**  ***Field Note*** | **Field Attributes (Field Type, Validation, Choices, Calculations, etc.)** |
| coder\_initial | Coder Initial | [free text] |
| name\_inst | Section Header: *List of instruments. ONLY include measures that address one or more of the key outcomes. [author\_year] [paper\_title]*  Instrument #1 Name  (edit below only if needed) | [free text] |
| describe\_inst | Instrument #1 description (please provide details for items). Include #items, format of items, (T/F, open ended, Likert etc), subscales used (if named). | [free text] |
| dquality\_header | 1. Decision Quality Outcome | *header* |
| dq\_informed | Informed | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| dq\_realexpec | Realistic expectations | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| dq\_concr | Concordance | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| dq\_pref | Preference | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| dq\_choice | Choice | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| dprocess\_header | 2. Decision Process Measures  (If survey gets at any of these issues then it can be considered to be a "process" measure) | *header* |
| decprocess\_recdec | Recognize decision | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| decprocess\_understand | Feel that understand options and outcomes | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| decprocess\_matters | Feel clear about what matters most | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| decprocess\_goals | Discuss goals with providers | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| decprocess\_involved | Involved in decision making | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| othercon | Other construct: this instrument is neither decision process nor decision quality | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| addl\_papers | 3. Additional studies that used instrument and/or validation reference that is/are cited in this paper. | |  |  | | --- | --- | | 1 | Yes, cited | | 0 | No, not cited | |
| decision\_type | 4. Medical Topic/Decision | [free text] |
| admin\_time\_measure | 5. Administration and timing  Mode of administration (paper, phone, computer, interviewer, etc.) and timing of administration | *header* |
| inst\_new | 6. New Instrument? | |  |  | | --- | --- | | 1 | instrument developed for this study | | 2 | instrument previously published (and/or adapted from published) | | 3 | unclear | |
| inst\_quality | 7. Quality of instrument reported in this paper? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| notes\_comments | 8. Notes and Comments | [free text] |
| develop\_header | Development Process | *header* |
| develop\_item | 9. Development Process (was any information on the item development included in the paper?)  Examples: content, cognitive interviews, pilot testing, etc. | |  |  | | --- | --- | | 1 | Reported | | 2 | Nothing reported, but citation provided | | 3 | Nothing reported | |
| develop\_itemdescription | Report item generation  Was there information about how the content of the items was developed and by whom? | |  |  | | --- | --- | | 1 | Yes reported | | 0 | Not reported | |
| develop\_coginterview | Report cognitive interviews  Was the measure tested for understandability before use? | |  |  | | --- | --- | | 1 | Yes reported | | 0 | Not reported | |
| develop\_pilot | Report pilot testing  Were pilot studies (of any type) conducted to pretest the measure? | |  |  | | --- | --- | | 1 | Yes reported | | 0 | Not reported | |
| report\_reliability | 10. Reliability:  The instrument is reproducible and when appropriate internally consistent.  Examples of reliability testing: (1) internal consistency reliability (e.g., Cronbach's alpha, Kuder-Richardson coefficient); (2) test-retest reliability; (3) interrater reliability (e.g., percentage agreement, kappa coefficient, intraclass correlation coefficient)  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_reliability | Describe type and result (Cronbach alpha, retest reliability, intraclass correlation coefficient, interrater reliability, etc.) | [free text] |
| report\_validity | 11. Validity:  The extent to which the instrument assesses what is intended.  Examples of validity tests: (1) content validity (e.g. Content Validity Index); (2) criterion-related validity (e.g. correlations to demonstrate con-current, predictive validity); (3) construct validity (e.g. factor analysis to demonstrate predicted convergence/divergence of constructs and/or structure invariance of the measure, discriminant analysis, known groups analysis).  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_validity | Describe type of validity test (Content Validity Index, correlations, predictive validity, discriminant analysis, etc.) | [free text] |
| report\_responsiveness | 12. Responsiveness:  The instrument is sensitive to changes of importance to patients and clinicians.  Examples: NA  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_responsiveness | Describe type of analysis and result | [free text] |
| report\_precision | 13. Accuracy & Precision:  What is known about the measure performance in comparison to gold-standard measures (accuracy) and /or the number of distinctions and extent of random error in use of the measure (precision)?  Examples: NA  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_precision | Describe type of analysis and result | [free text] |
| report\_interprete | 14. Interpretability:  Evidence the scores are meaningful to clinicians and patients.  Examples: NA  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_interprete | Describe type of analysis and result | [free text] |
| report\_accept | 15. Acceptability:  Are there any indicators of acceptability to respondents (usually patients, could include others)? Are there patterns to missing data or low response rates that could signal a problem with acceptability of the measure?  Examples: (1) missing data patterns; (2) low response rate patterns NOTE: overall study response rates is not sufficient.  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_accept | Describe type of analysis and result | [free text] |
| report\_feasibility | 16. Feasibility:  Are there indicators of the appropriateness of effort, burden, or disruption (of clinical or research team) required to administer the measure?  Examples: NA  Reported? | |  |  | | --- | --- | | 1 | Yes | | 0 | No | |
| describe\_feasibility | Describe type of analysis and result | [free text] |
| comms\_ques\_inst | Comments or additional questions | [free text] |