Supplementary file 1: PRISMA Checklist

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| **Section/topic**  | **#** | **Checklist item**  | **Reported on page #**  |
| **TITLE**  |  |
| Title  | 1 | Identify the report as a systematic review, meta-analysis, or both.  | 1 |
| **ABSTRACT**  |  |
| Structured summary  | 2 | Provide a structured summary including, as applicable: background; objectives; data sources; study eligibility criteria, participants, and interventions; study appraisal and synthesis methods; results; limitations; conclusions and implications of key findings; systematic review registration number.  | 2 |
| **INTRODUCTION**  |  |
| Rationale  | 3 | Describe the rationale for the review in the context of what is already known.  | 4-5 |
| Objectives  | 4 | Provide an explicit statement of questions being addressed with reference to participants, interventions, comparisons, outcomes, and study design (PICOS).  | 5 |
| **METHODS**  |  |
| Protocol and registration  | 5 | Indicate if a review protocol exists, if and where it can be accessed (e.g., Web address), and, if available, provide registration information including registration number.  | N/A |
| Eligibility criteria  | 6 | Specify study characteristics (e.g., PICOS, length of follow-up) and report characteristics (e.g., years considered, language, publication status) used as criteria for eligibility, giving rationale.  | 6-7 |
| Information sources  | 7 | Describe all information sources (e.g., databases with dates of coverage, contact with study authors to identify additional studies) in the search and date last searched.  | 5-6 |
| Search  | 8 | Present full electronic search strategy for at least one database, including any limits used, such that it could be repeated.  | Suppl. file 2 |
| Study selection  | 9 | State the process for selecting studies (i.e., screening, eligibility, included in systematic review, and, if applicable, included in the meta-analysis).  | 7 |
| Data collection process  | 10 | Describe method of data extraction from reports (e.g., piloted forms, independently, in duplicate) and any processes for obtaining and confirming data from investigators.  | 7 |
| Data items  | 11 | List and define all variables for which data were sought (e.g., PICOS, funding sources) and any assumptions and simplifications made.  | 8 |
| Risk of bias in individual studies  | 12 | Describe methods used for assessing risk of bias of individual studies (including specification of whether this was done at the study or outcome level), and how this information is to be used in any data synthesis.  | 8 |
| Summary measures  | 13 | State the principal summary measures (e.g., risk ratio, difference in means).  | N/A |
| Synthesis of results  | 14 | Describe the methods of handling data and combining results of studies, if done, including measures of consistency (e.g., I2) for each meta-analysis.  | 8 |

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| **Section/topic**  | **#** | **Checklist item**  | **Reported on page #**  |
| Risk of bias across studies  | 15 | Specify any assessment of risk of bias that may affect the cumulative evidence (e.g., publication bias, selective reporting within studies).  | N/A |
| Additional analyses  | 16 | Describe methods of additional analyses (e.g., sensitivity or subgroup analyses, meta-regression), if done, indicating which were pre-specified.  | N/A |
| **RESULTS**  |  |
| Study selection  | 17 | Give numbers of studies screened, assessed for eligibility, and included in the review, with reasons for exclusions at each stage, ideally with a flow diagram.  | 8Figure 2 |
| Study characteristics  | 18 | For each study, present characteristics for which data were extracted (e.g., study size, PICOS, follow-up period) and provide the citations.  | 9, Table 1 |
| Risk of bias within studies  | 19 | Present data on risk of bias of each study and, if available, any outcome level assessment (see item 12).  | Not considered |
| Results of individual studies  | 20 | For all outcomes considered (benefits or harms), present, for each study: (a) simple summary data for each intervention group (b) effect estimates and confidence intervals, ideally with a forest plot.  | 9-12, Table 2 |
| Synthesis of results  | 21 | Present results of each meta-analysis done, including confidence intervals and measures of consistency.  | N/A |
| Risk of bias across studies  | 22 | Present results of any assessment of risk of bias across studies (see Item 15).  | N/A |
| Additional analysis  | 23 | Give results of additional analyses, if done (e.g., sensitivity or subgroup analyses, meta-regression [see Item 16]).  | N/A |
| **DISCUSSION**  |  |
| Summary of evidence  | 24 | Summarize the main findings including the strength of evidence for each main outcome; consider their relevance to key groups (e.g., healthcare providers, users, and policy makers).  | 12-13 |
| Limitations  | 25 | Discuss limitations at study and outcome level (e.g., risk of bias), and at review-level (e.g., incomplete retrieval of identified research, reporting bias).  | 14 |
| Conclusions  | 26 | Provide a general interpretation of the results in the context of other evidence, and implications for future research.  | 15 |
| **FUNDING**  |  |
| Funding  | 27 | Describe sources of funding for the systematic review and other support (e.g., supply of data); role of funders for the systematic review.  | 3 |

*From:*  Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). Preferred Reporting Items for Systematic Reviews and Meta-Analyses: The PRISMA Statement. PLoS Med 6(6): e1000097. doi:10.1371/journal.pmed1000097

For more information, visit: **www.prisma-statement.org**.

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Supplementary file 2: PubMed search strategy

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| --- | --- |
| #8 | Search (#3 AND #7) |
| #7 | Search (#4 OR #5 OR #6) |
| #6 | Search ("Shared decision"[TIAB] or "Sharing decision"[TIAB] or "Informed decision"[TIAB] or "Informed choice"[TIAB] or "Decision aid"[TIAB] or "Decision aids"[TIAB] OR ((Share\*[TI] or Sharing\*[TI] or Informed\*[TI]) and (Decision\*[TI] or Deciding\*[TI] or Choice\*[TI])) OR Patient-Centered Care [MH] OR Professional-Patient relations[MH] OR "Patient Centered Care"[TIAB]) |
| #5 | Search ("Consumer Behavior"[Mesh] OR "Patient Education as Topic"[Mesh] OR "Citizen Education"[TIAB] OR "Citizen Preference"[TIAB] OR "Citizen Preferences"[TIAB] OR "Citizen Satisfaction"[TIAB] OR "Citizens Education"[TIAB] OR "Citizens Preference"[TIAB] OR "Citizens Preferences"[TIAB] OR "Citizens Satisfaction"[TIAB] OR "Client Education"[TIAB] OR "Client Preference"[TIAB] OR "Client Preferences"[TIAB] OR "Client Satisfaction"[TIAB] OR "Clients Education"[TIAB] OR "Clients Preference"[TIAB] OR "Clients Preferences"[TIAB] OR "Clients Satisfaction"[TIAB] OR "Consumer Education"[TIAB] OR "Consumer Preference"[TIAB] OR "Consumer Preferences"[TIAB] OR "Consumer Satisfaction"[TIAB] OR "Consumers Education"[TIAB] OR "Consumers Preference"[TIAB] OR "Consumers Preferences"[TIAB] OR "Consumers Satisfaction"[TIAB] OR "Patient Education"[TIAB] OR "Patient Preference"[TIAB] OR "Patient Preferences"[TIAB] OR "Patient Satisfaction"[TIAB] OR "Patients Education"[TIAB] OR "Patients Preference"[TIAB] OR "Patients Preferences"[TIAB] OR "Patients Satisfaction"[TIAB] OR "People Education"[TIAB] OR "People Preference"[TIAB] OR "People Preferences"[TIAB] OR "People Satisfaction"[TIAB] OR "Peoples Education"[TIAB] OR "Peoples Preference"[TIAB] OR "Peoples Preferences"[TIAB] OR "Peoples Satisfaction"[TIAB] OR "Public Education"[TIAB] OR "Public Preference"[TIAB] OR "Public Preferences"[TIAB] OR "Public Satisfaction"[TIAB] OR "User Education"[TIAB] OR "User Preference"[TIAB] OR "User Preferences"[TIAB] OR "User Satisfaction"[TIAB] OR "Users Education"[TIAB] OR "Users Preference"[TIAB] OR "Users Preferences"[TIAB] OR "Users Satisfaction"[TIAB] OR ((Citizen\*[TI] OR Client\*[TI] OR Consumer\*[TI] OR Patient\*[TI] OR People\*[TI] OR Public[TI] OR User[TI] OR Users[TI]) AND (Education\*[TI] OR Preference\*[TI] OR Satisfaction\*[TI]))) |
| #4 | Search ("Patient Participation"[Mesh] OR "Consumer Participation"[Mesh] OR "Consumer Advocacy"[Mesh] OR "Patient Advocacy"[Mesh] OR "Consumer Organizations"[Mesh] OR "Citizen Advocacy"[TIAB] OR "Citizen Involvement"[TIAB] OR "Citizen Participation"[TIAB] OR "Citizens Council"[TIAB] OR "Citizens Participation"[TIAB] OR "Client Advocacy"[TIAB] OR "Client Council"[TIAB] OR "Client Involvement"[TIAB] OR "Client Organization"[TIAB] OR "Client Participation"[TIAB] OR "Clients Participation"[TIAB] OR "Consumer Advocacy"[TIAB] OR "Consumer Council"[TIAB] OR "Consumer Involvement"[TIAB] OR "Consumer Organization"[TIAB] OR "Consumer Participation"[TIAB] OR "Patient Advocacy"[TIAB] OR "Patient Council"[TIAB] OR "Patient Involvement"[TIAB] OR "Patient Organization"[TIAB] OR "Patient Participation"[TIAB] OR "Patients Advocacy"[TIAB] OR "Patients Involvement"[TIAB] OR "Patients Organization"[TIAB] OR "Patients Participation"[TIAB] OR "Peoples Participation"[TIAB] OR "Public Advocacy"[TIAB] OR "Public Council"[TIAB] OR "Public Involvement"[TIAB] OR "Public Organization"[TIAB] OR "Public Participation"[TIAB] OR "User Involvement"[TIAB] OR "User Organization"[TIAB] OR "User Participation"[TIAB] OR "Users Involvement"[TIAB] OR "Users Participation"[TIAB] OR ((Citizen\*[TI] OR Client\*[TI] OR Consumer\*[TI] OR Patient\*[TI] OR People\*[TI] OR Public[TI] OR User[TI] OR Users[TI]) AND (Advocac\*[TI] OR Council\*[TI] OR Involvement\*[TI] OR Organization\*[TI] OR Participation\*[TI]))) |
| #3 | Search (#1 OR #2) |
| #2 | Search (AETMIS[TIAB] OR AETMIS[AD] OR AETS[TIAB] OR AETS[AD] OR AETSA[TIAB] OR AETSA[AD] OR AHRQ[TIAB] OR AHRQ[AD] OR AHTA [TIAB] OR AHTA[AD] OR AHTAPol[TIAB] OR AHTAPol[AD] OR ASERNIP [TIAB] OR ASERNIP[AD] OR AVALIA[TIAB] OR AVALIA[AD] OR CADTH [TIAB] OR CADTH[AD] OR CAHTA[TIAB] OR CAHTA[AD] OR CDE[TIAB] OR CDE[AD] OR CEDIT[TIAB] OR CEDIT[AD] OR CENETEC[TIAB] OR CENETEC[AD] OR CRD[TIAB] OR CRD[AD] OR CVZ[TIAB] OR CVZ[AD] OR DACEHTA[TIAB] OR DACEHTA[AD] OR DAHTA[TIAB] OR DAHTA [AD] OR DECIT[TIAB] OR DECIT[AD] OR DSI[TIAB] OR DSI[AD] OR ETASA[TIAB] OR ETASA[AD] OR FinOHTA[TIAB] OR FinOHTA[AD] OR HAS[TIAB] OR HAS[AD] OR HSAC[TIAB] OR HSAC[AD] OR IAHS[TIAB] OR IAHS[AD] OR ICTAHC[TIAB] OR ICTAHC[AD] OR IECS[TIAB] OR IECS[AD] OR IHE[TIAB] OR IHE[AD] OR INAHTA[TIAB] OR INAHTA[AD] OR IQWIG[TIAB] OR IQWIG[AD] OR KCE[TIAB] OR KCE[AD] OR LBI [TIAB] OR LBI[AD] OR MAHTAS[TIAB] OR MAHTAS[AD] OR MAS[TIAB] OR MAS[AD] OR MSAC[TIAB] OR MSAC[AD] OR MTU[TIAB] OR MTU [AD] OR NCCHTA[TIAB] OR NCCHTA[AD] OR QIS[TIAB] OR QIS[AD] OR NHSC[TIAB] OR NHSC[AD] OR NOKC[TIAB] OR NOKC[AD] OR OSTEBA [TIAB] OR OSTEBA[AD] OR SBU[TIAB] OR SBU[AD] OR UETS[TIAB] OR UETS[AD] OR VASPVT[TIAB] OR VASPVT[AD] OR VATAP[TIAB] OR VATAP[AD] OR ZonMw[TIAB] OR ZonMw[AD] OR HTA[TIAB] OR HTA [AD] OR CGATS[TIAB] OR CGATS[AD] OR "Evaluation des Technologies"[TIAB] OR "Evaluation des Technologies"[AD] OR "Evaluacion de Tecnologias"[TIAB] OR "Evaluacion de Tecnologias"[AD] OR "Healthcare Research and Quality"[TIAB] OR "Healthcare Research and Quality"[AD] OR "Safety and Efficacy Register"[TIAB] OR "Safety and Efficacy Register"[AD] OR "Agency for Drugs and Technologies"[TIAB] OR "Agency for Drugs and Technologies"[AD] OR "Center for Drug Evaluation"[TIAB] OR "Center for Drug Evaluation"[AD] OR "Diffusion des Innovations Technologiques "[TIAB] OR "Diffusion des Innovations Technologiques "[AD] OR "Excelencia Tecnologica"[TIAB] OR "Excelencia Tecnologica"[AD] OR "Centre for Reviews and Dissemination"[TIAB] OR "Centre for Reviews and Dissemination"[AD] OR "College voor Zorgverzekeringen"[TIAB] OR "College voor Zorgverzekeringen"[AD] OR "Tecnologia e Insumos EstratÃ©gicos"[TIAB] OR "Tecnologia e Insumos EstratÃ©gicos"[AD] OR "Institute for Health Services Research"[TIAB] OR "Institute for Health Services Research"[AD] OR "Department of Quality and Patient Safety"[TIAB] OR "Department of Quality and Patient Safety"[AD] OR "Gezondheidsraad"[TIAB] OR "Gezondheidsraad"[AD] OR "Haute AutoritÃ© de Sante"[TIAB] OR "Haute AutoritÃ© de Sante"[AD] OR "Health Services Assessment"[TIAB] OR "Health Services Assessment"[AD] OR "Institute of Applied Health"[TIAB] OR "Institute of Applied Health"[AD] OR "Institute for Clinical Effectiveness"[TIAB] OR "Institute for Clinical Effectiveness"[AD] OR "Institute of Health Economics"[TIAB] OR "Institute of Health Economics"[AD] OR "QualitÃ¤t und Wirtschaftlichkeit"[TIAB] OR "QualitÃ¤t und Wirtschaftlichkeit"[AD] OR "Federal Health Care Knowledge Centre"[TIAB] OR "Federal Health Care Knowledge Centre"[AD] OR "Medical Advisory Secretariat"[TIAB] OR "Medical Advisory Secretariat"[AD] OR "Medical Services Advisory"[TIAB] OR "Medical Services Advisory"[AD] OR "Medical Technology Unit"[TIAB] OR "Medical Technology Unit"[AD] OR "Quality Improvement Scotland"[TIAB] OR "Quality Improvement Scotland"[AD] OR "National Horizon Scanning"[TIAB] OR "National Horizon Scanning"[AD] OR "Knowledge Centre for the Health Services"[TIAB] OR "Knowledge Centre for the Health Services"[AD] OR "Tecnologias Sanitarias"[TIAB] OR "Tecnologias Sanitarias"[AD] OR "State Health Care Accreditation Agency"[TIAB] OR "State Health Care Accreditation Agency"[AD] OR "Medical and Health Research Council"[TIAB] OR "Medical and Health Research Council"[AD]) |
| #1 | Search Technology Assessment, Biomedical[MH] OR "Technology Assessment"[TIAB] OR HTA[TIAB] OR "Technology Assessment"[AD] OR HTA[AD] |