

BibTexKey	Guideline	Codes	Categories	Dimension
S1	Is there a clear statement (definition) of the aims (goals, purposes, problems, motivations, objectives, questions) of the research?	Check clear research aims	Planning and protocol	Documentation, transparency & reproducibility
S1	Is there an adequate description of the context in which the research was carried out?	Check context description	Planning and protocol	Documentation, transparency & reproducibility
S1	Is the paper based on research?	Check basis of research work	Fundamentation	Documentation, transparency & reproducibility
S1	Are references maintained accurately?	Check reference accuracy	Fundamentation	Documentation, transparency & reproducibility
S1	Does the study answer the research question defined or presents the results in a clear way?	Check RQ answer/clarity	Findings Clarity and suitability	Documentation, transparency & reproducibility
S1	Is the reporting clear and coherent?	Check reporting clarity	Reporting Clarity	Documentation, transparency & reproducibility
S1	Are the metrics (methods, design, measures) used in the study clearly (fully) defined (description)?	Check methods definition	Planning and protocol	Documentation, transparency & reproducibility
S1	Are the data collection methods adequately described (defined)?	Check data collection description	Planning and protocol	Documentation, transparency & reproducibility
S1	Is the study design stated clearly?	Check clear study design	Planning and protocol	Documentation, transparency & reproducibility
S1	Is there a clear statement of findings (data) and relate to the aims of research?	Check findings clarity	Findings Clarity and suitability	Documentation, transparency & reproducibility
S1	Is the study replicable?	Check study replicability	Replicability	Documentation, transparency & reproducibility
S1	Are conclusions, implications for practice and future research, reported suitably for its audience?	Check conclusion suitability	Findings Clarity and suitability	Documentation, transparency & reproducibility
S2	"We propose a checklist for a standardized technique for assessing and reporting reviews of LCA data (STARR-LCA) to assist in structuring the process of conduct-ing and reporting systematic reviews." "We suggest that abstracts for systematic reviews related to LCA include at least the following nine components: (1) background; (2) objectives; (3) data sources; (4) study eligibility criteria; (5) scope, system boundaries and functional unit; (6) study appraisal and synthe-sis methods (including any original data adjustments, such as harmonization); (7) results; (8) limitations; and (9) conclusions with implications of key findings."	Checklist for STARR-LCA	Planning and protocol	Documentation, transparency & reproducibility
S2	"In the context of what is already known, describe why the systematic review, with or without meta-analysis, was a worth-while effort."	Abstract components standard	Reporting Clarity	Documentation, transparency & reproducibility
S2	"A clear outline of the steps undertaken in a review can provide the transparency needed for replication, as well as ap-propriate updates when additional data are generated in fu-ture studies."	Describe review rationale	Planning and protocol	Documentation, transparency & reproducibility
S2	"We recommend that, at a minimum, a systematic review protocol include five key components: (1) a general description of how studies or data will be discovered for con-sideration of further review (e.g., literature or database search, manual review of the bibliographies of key publications, pre-vious studies performed by the author's laboratory, solicitation of unpublished data); (2) enough information about any elec-tronic search strategies that the search can be replicated; (3) clear parameters describing how the decision will be made to in-clude or exclude individual studies and data for further analysis in the systematic review and/or meta-analysis; (4) a clear plan for recording and summarizing data from the individual studies, including what parameters or data points are of interest; and (5) what, if any, meta-analyses are planned." "Any revisions should be outlined and commented upon in subsequent publications and the protocol described should be transparent and complete enough to allow for replication."	Report replication steps	Replicability	Documentation, transparency & reproducibility
S2		Protocol five components	Planning and protocol	Documentation, transparency & reproducibility
S2		Report protocol revisions	Planning and protocol	Documentation, transparency & reproducibility
S2	"key information about the individual studies or sources of data included in the review should be provided."	Provide individual study info	Fundamentation	Documentation, transparency & reproducibility

S2	"Whatever synthesis methods are undertaken in a review, they should be clearly described and justified based on the study protocol and the available data included in the review."	Describe and justify synthesis	Planning and protocol	Documentation, transparency & reproducibility
S2	"Article titles should clearly identify the manuscript as a review with or without meta-analysis, and key-word listings for both individual reports and database structure should include the terms meta-analysis and systematic review."	Identify title and keywords	Reporting Clarity	Documentation, transparency & reproducibility
S2	"A structured summary or abstract should be provided at the beginning of a review;"	Provide structured summary	Reporting Clarity	Documentation, transparency & reproducibility
S2	"The reason for the systematic review should be clear in the context of what is already known."	Clear systematic review reason	Planning and protocol	Documentation, transparency & reproducibility
S2	"A systematic review protocol should be prospectively written to guide researchers and, ideally, made available for peer review with key areas as noted above."	Prospectively write protocol	Planning and protocol	Documentation, transparency & reproducibility
S2	"We recommend that, in the interest of transparency, methods be clearly described and any new data presented as part of the publication."	Describe methods clearly	Planning and protocol	Documentation, transparency & reproducibility
S2	"Finally, the conclusions of the review should be clearly stated."	Clearly state conclusions	Findings Clarity and suitability	Documentation, transparency & reproducibility