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|  **Full Citation:** |

|  | ***Appraisal Question*** | ***Yes*** | ***No*** | ***Unclear*** | ***N/A*** | ***Comments:*** |
| --- | --- | --- | --- | --- | --- | --- |
| 1. | **Problem Description:** Is there a description that defines the nature and significance of the local problem? |  |  |  |  |  |
| 2. | **Available Knowledge:** Is there a summary of what is currently known about the problem, including previous studies? |  |  |  |  |  |
| 3. | **Rationale:** Are frameworks, models, concepts, and/or theories used to explain the problem, reasons or assumptions that led to the interventions, and/or reasons why the interventions are expected to work? |  |  |  |  |  |
| 4. | **Specific Aims:** Is the purpose of the project stated? |  |  |  |  |  |
| 5. | **Context:** Are contextual elements that were considered important at the outset of introducing the interventions described? |  |  |  |  |  |
| 6a. | **Interventions:** Are the interventions described in sufficient detail so that others could reproduce the project? |  |  |  |  |  |
| 6b. | Are team members involved in the work described, including their role(s) in the project? |  |  |  |  |  |
| 7a. | **Measures:** Are the measures chosen for studying processes and outcomes valid and reliable? |  |  |  |  |  |
| 7b. | Is there a description of the approach to the ongoing assessment of contextual elements that contributed to the success, failure, efficiency, and cost? |  |  |  |  |  |
| 7c.  | Are methods employed for assessing completeness and accuracy of data described? |  |  |  |  |  |
| 8a. | **Analysis:** Are appropriate methods used to draw inferences from the data? |  |  |  |  |  |
| 8b. | Are methods for understanding variation within the data described? |  |  |  |  |  |
| 9. | **Ethical Considerations:** Are ethical aspects addressed, including formal ethics review when appropriate and potential conflicts of interest? |  |  |  |  |  |
| 10a. | **Results:** Are initial steps of the interventions and their evolution over time described? |  |  |  |  |  |
| 10b. | Are details of the process measures and outcomes described? |  |  |  |  |  |
| 10c. | Are contextual elements that interacted with the interventions described? |  |  |  |  |  |
| 10d. | Are observed associations between outcomes, interventions, and relevant contextual elements described? |  |  |  |  |  |
| 10e. | Are unintended consequences described?  |  |  |  |  |  |
| 10f. | Are details provided about missing data? |  |  |  |  |  |
| 11a. | **Summary:** Are key findings summarized? |  |  |  |  |  |
| 11b.  | Are particular strengths of the project described? |  |  |  |  |  |
| 12a. | **Interpretation:** Is the nature of the association between the intervention(s) and the outcomes described? |  |  |  |  |  |
| 12b. | Are the results compared with findings from other publications? |  |  |  |  |  |
| 12c. | Is the impact of the project on people and systems described? |  |  |  |  |  |
| 12d. | Are reasons provided for any differences between observed and anticipated outcomes, including the influence of context? |  |  |  |  |  |
| 12e. | Are costs and strategic trade-offs described?  |  |  |  |  |  |
| 13a. | **Limitations:** Are limits to the generalizability of the work provided? |  |  |  |  |  |
| 13b. | Are factors that might have limited internal validity described? |  |  |  |  |  |
| 13c. | Were efforts made to minimize and adjust for limitations? |  |  |  |  |  |
| 14a. | **Conclusions:** Is the usefulness of the work described? |  |  |  |  |  |
| 14b. | Is sustainability of the project described? |  |  |  |  |  |
| 14c. | Is the potential for spread to other contexts described? |  |  |  |  |  |
| 14d. | Are there implications for practice and for further study in the field?  |  |  |  |  |  |
| 14e. | Are suggested next steps presented? |  |  |  |  |  |
| 15. | Are the references current (within past 5 years) and varied (from different journals/disciplines) with the exception of sentinel references? |  |  |  |  |  |
| 16. | **Title:** Does the title accurately reflect what the article describes? |  |  |  |  |  |
| 17. | **Abstract:**  Does the abstract accurately represent the article?  |  |  |  |  |  |
| 18. | **Funding:** Are souces of funding that supported this work listed? |  |  |  |  |  |
| 19. | JBI FAME Scale Ranking (e.g., M1-4 or E1-4) | **M**  | **E** |

**Additional Comments:**

**JBI FAME Scale**

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| --- | --- | --- | --- | --- |
| ***Level*** | ***Feasibility (F1-4)*** | ***Appropriateness (A1-4)*** | ***Meaningfulness (M1-4)*** | ***Effectiveness (E1-4)*** |
| 1 | Metasynthesis of research with unequivocal synthesized findings (F1) | Metasynthesis of research with unequivocal synthesized findings (A1) | Metasynthesis of research with unequivocal synthesized findings **(M1)** | Meta-analysis (with homogeneity) of experimental studies (e.g., RCT with concealed randomization) or one or more large experimental studies with narrow confidence intervals **(E1)** |
| 2 | Metasynthesis of research with credible synthesized findings (F2) | Metasynthesis of research with credible synthesized findings (A2) | Metasynthesis of research with credible synthesized findings **(M2)** | One or more smaller RCTs with wider confidence intervals OR quasi-experimental studies (without randomization) **(E2)** |
| 3 | a. Metasynthesis of text/opinion with credible synthesized findings (F3a)b. One or more single research studies of high quality (F3b) | a. Metasynthesis of text/opinion with credible synthesized findings (A3a)b. One or more single research studies of high quality (A3b) | a. Metasynthesis of text/opinion with credible synthesized findings **(M3a)**b. One or more single research studies of high quality **(M3b)** | a. Cohort studies (with control group) **(E3a)**b. Case-controlled **(E3b)**c. Observational studies (without control group) **(E3c)** |
| 4 | Expert opinion (F4) | Expert opinion (A4) | Expert opinion **(M4)** | Expert opinion, physiological bench research, or consensus **(E4)** |