

**KING'S COLLEGE LONDON
CENTRE FOR IMPLEMENTATION SCIENCE
IMPRESPEC SURVEY QUESTIONS**

Study ID: MRM-21/22-20807

Form Version Date: 28/11/2021

Part A: Survey to review ImpResPAC domains and items for content, style and comprehensiveness.

Each member of the expert advisory group will be presented with an overview of ImpResPAC, ImpResPAC user instructions, the ImpResPAC domain(s) that they are an expert in, survey instructions, and survey questions.

Part B: Survey to assess for acceptability, appropriateness and feasibility of the refined version of the ImpResPAC tool.

The development/research team will collate and review all comments and suggested refinements to ImpResPAC and refinements will be decided via group discussions until consensus is reached. Once ImpResPAC is finalized, each member of the expert advisory group will be sent a survey and asked to review the refined version ImpResPAC and provide feedback on the acceptability, appropriateness and feasibility of ImpResPAC.

Part A: Survey to review ImpResPAC domains and items for content, style and comprehensiveness.

Based on the significant contribution you have made to the conceptual and methodological advancement of implementation research, in particular relating to the characteristics of implementation research, we would like your feedback on the ***Implementation Research Characteristics*** domain of ImpResPAC.

We would also like your feedback on the ***Unintended Consequences*** domain of ImpResPAC. Although a separate domain, it is very much linked to design of implementation research and the ***Implementation Research Characteristics*** domain. If, after reviewing the ***Unintended Consequences*** domain, you feel that you don't have the expertise to provide feedback, you can choose to provide feedback on the Implementation Research Characteristics domain only.

ImpResPAC contains 10 domains representing core implementation science principles and concepts, including:

- (1) Implementation Research Characteristics
- (2) Implementation Theories, Frameworks and Models
- (3) Determinants of Implementation: Contextual Factors
- (4) Implementation Strategies
- (5) Service and Patient Outcomes
- (6) Implementation Outcomes
- (7) Unintended Consequences
- (8) Economic Evaluation
- (9) Stakeholder Involvement and Engagement
- (10) Patient and Public Involvement and Engagement.

We appreciate that you may have expertise relating to other ImpResPAC domains, if you believe that you have expertise relating to any other ImpResPAC domain(s), please let us know and we will share these with you to enable you to provide feedback on these ImpResPAC domains.

Survey instructions

We would like you to review and provide feedback, including modifications and suggestions for improvement, on the 'Implementation Research Characteristics' ImpResPAC domain and associated items, presented in the table below. Following review of the domain items, you will then be asked to complete 5 questions regarding domain content, style and comprehensiveness. You will also be asked to

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provide feedback relating to the scoring scale and anchors and user instructions. We request your comments and suggestions for improvements to be made using the comment and track changes functions in word.

Overview of ImpResPAC

ImpResPAC aims to be a comprehensive and in-depth quantitative appraisal tool to evaluate the conceptual and methodological quality of implementation research. ImpResPAC contains 10 domains representing core implementation science principles and concepts (detailed above). For each domain, we have identified a number of items that we believe indicate high-quality implementation research.

We hope that ImpResPAC will advance the field of implementation science by providing a quantitative appraisal tool that can be used by a wide range of implementation research stakeholders, primarily grant reviewers and educators working within the field, to comprehensively appraise the conceptual and methodological quality of implementation research.

ImpResPAC user instructions

The ImpResPAC tool contains 10 domains representing core implementation science principles and concepts. Each domain contains a number of items that are indicative of high-quality implementation research. Each ImpResPAC domain, and associated items, should be considered in the context of the aims and objectives, scope and resources of the research project in question. As such, it is possible that one or more ImpResPAC domains, and associated items, will not be applicable. You are not expected to score each item within each domain, rather a single score for each applicable ImpResPAC domain should be provided.

For each applicable domain, the scores should be added together, to calculate a global score indicating the conceptual and methodological quality of the implementation project. For example, if 7 ImpResPAC domains are applicable, the global score would be out of a maximum score of 35 (7 domains x maximum domain score of 5 = 35).

Please note you are not expected to provide a score as part of completing this survey

Domain scoring scale and anchors

- 1 = Very poor:** Proposed project fails to adequately address all items
- 2 = Poor:** Proposed project fails to adequately address most items
- 3 = Satisfactory:** Proposed project addresses some items adequately
- 4 = Good:** Proposed project addresses most items adequately/fully
- 5 = Excellent:** Proposed project fully addresses all items
- N/A = domain considered not applicable** given the aims, objectives, scope and resources of the project.

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Part A: Survey questions

1. (a) Do the domain items represent and reflect high-quality conceptual and methodological elements of implementation research characteristics? Yes/no
(b) If no, please use track changes in the table above to provide amendments/suggestions for improvement.
2. (a) Are there any items missing from the domain? Yes/no
(b) If yes, please use track changes in the table above to suggest additional items for inclusion.
3. (a) Is the item wording clear? Yes/no
(b) If no, please use track changes in the table above to suggest amendments/improvements.
4. (a) Are the ImpResPAC user instructions (p.2) adequate and clear?
(b) If no, please provide your reasoning below and use track changes to suggest amendments/improvements.
5. (a) Is the scoring scale and associated anchors (p.2) appropriate and clear? Yes/no
(b) If no, please provide your reasoning below and use track changes to suggest amendments/improvements.

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Part B: Survey to assess for acceptability, appropriateness and feasibility of the refined version of the ImpResPAC tool

Thank you for your initial feedback on Implementation Science Research Project Appraisal Criteria (ImpResPAC) tool. After careful consideration of the feedback received from the expert advisory group, the ImpResPAC research/development group have refined the ImpResPAC tool.

On a scale of 1 – 5 please rate your level of agreement with the following statements on the acceptability, appropriateness and feasibility of the ImpResPAC tool.

Acceptability is the perception among implementation stakeholders that a given treatment, service, practice, or innovation is agreeable, palatable, or satisfactory (Proctor et al, 2011). With this definition in mind, please rate the acceptability of the ImpResPAC tool, to assess the conceptual and methodological quality of implementation science research, for this purpose.

(i) The ImpResPAC Tool Acceptability						
	1	2	3	4	5	6
	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	I do not feel able to answer this due to lack of knowledge and/or experience in this area.
a) ImpResPAC is an acceptable tool to be used in the appraisal of grant applications.						
b) ImpResPAC is an acceptable tool for researchers, to appraise the methodological and conceptual quality of their research.						
c) ImpResPAC is an acceptable tool for practitioners, to appraise the methodological and conceptual quality of their project.						
d) ImpResPAC is an acceptable tool to be used for educational purposes e.g., incorporating into training materials or quantitatively appraising						

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implementation projects.						
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Optional: If you rated 4 or 5 for questions (a) – (d), please explain why the ImpResPAC tool is not acceptable for use for this purpose.

Appropriateness is the perceived fit, relevance, or compatibility of the innovation or evidence based practice for a given practice setting, provider, or consumer; and/or perceived fit of the innovation to address a particular issue or problem (Proctor et al, 2011). With this definition in mind, please rate the appropriateness of the ImpResPAC tool, to assess the conceptual and methodological quality of implementation science research, for this purpose.

(ii) The ImpResPAC Tool Appropriateness						
	1	2	3	4	5	6
	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	I do not feel able to answer this due to lack of knowledge and/or experience in this area.
a) ImpResPAC is an appropriate tool to be used in the appraisal of grant applications.						
b) ImpResPAC is an appropriate tool for researchers, to appraise the methodological and conceptual quality of their research.						
c) ImpResPAC is an appropriate tool for practitioners, to appraise the methodological and conceptual quality of their project.						
d) ImpResPAC is an appropriate tool to be used for educational purposes e.g.,						

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incorporating into training materials or quantitatively appraising implementation projects.						
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Optional: If you rated 4 or 5 for questions (a) – (d), please explain why the ImpResPAC tool is not appropriate for use for this purpose.

Feasibility is defined as the extent to which a new treatment, or an innovation, can be successfully used or carried out within a given agency or setting (Proctor et al, 2011). With this definition in mind, please rate the feasibility of the ImpResPAC tool, to assess the conceptual and methodological quality of implementation science research, for this purpose.

(iii) The ImpResPAC Tool Feasibility						
	1	2	3	4	5	6
	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	I do not feel able to answer this due to lack of knowledge and/or experience in this area.
a) ImpResPAC is a feasible tool to be used in the appraisal of grant applications.						
b) ImpResPAC is a feasible tool for researchers, to appraise the methodological and conceptual quality of their research						
c) ImpResPAC is a feasible tool for practitioners, to appraise the methodological and conceptual quality of their project.						

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d) ImpResPAC is a feasible tool to be used for educational purposes e.g., incorporating into training materials or quantitatively appraising implementation projects.						
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Optional: If you rated 4 or 5 for questions (a) – (d), please explain why the ImpResPAC tool is not feasible for use for this purpose.

Do you have any additional comments you will like to make about ImpResPAC?
