

## Additional file 6 TICD Worksheet 2 for initial assessment of determinants

*This worksheet should be used to:*

- *Tailor the TICD checklist to the specific recommendations by dropping irrelevant factors, adding potentially important factors that may be missing, and modifying questions to make them specific for the recommendations*
- *Plan further investigations that are needed to identify and prioritise factors that should be addressed by implementation strategies; including reasons for or against including factors for further investigation, such as uncertainty about their importance or the potential to do something to address them*

*We suggest that at least two people independently assess the need for further investigation of each factor for each recommendation being implemented and then discuss their judgements, as with the first worksheet.*

*Each factor should be considered in relationship to each recommendation that is considered to be a priority for implementation. Reasons for further investigation (e.g. to confirm assumptions for which there is little or no evidence, to clarify characteristics of a factor, to obtain a deeper understanding of a factor, or to gain insights into potential strategies to address a factor) or for not investigating a factor further (e.g. if there already is sufficient evidence or further investigations would be unlikely to lead to any changes in implementation strategies) should be recorded in the corresponding cell for factors where there may be disagreement or a need for clarification. It is not necessary to fill in cells where there is unlikely to be disagreement or a need for clarification. Modifications of the questions in the TICD checklist and plans for further investigation should also be recorded for factors where changes and further investigation are needed.*

*We suggest maintaining some open ended questions together with questions focused on specific factors that warrant further investigation. For example, one might want to include a question for each domain, such as “Are there any other characteristics of the guidelines that might hinder or facilitate implementing the recommendation?”*

**Date:**

**Your name(s):**

**Recommendations:**

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

| Determinants  | Investigate further<br>(Check relevant<br>recommendation #'s) <sup>1</sup>   | Reasons for further<br>investigation<br>(or for not investigating further) | Proposed modifications of the<br>questions to tailor them to the<br>specific recommendations | Plans for further investigation<br>(e.g. interviews or focus group<br>discussions with people in the<br>target audience or patients) | Comments (including potential<br>strategies to address barriers<br>or capitalise on facilitators) |
|---|--|--|--|--|---|
| <b>1. GUIDELINE FACTORS</b>                         |  |  |  |  |   |
| • Recommendation                                    |  |  |  |  |   |
| • Quality of evidence supporting the recommendation | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Strength of recommendation                        | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Clarity   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Cultural appropriateness                          | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Accessibility of the recommendation               | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Source of the recommendation                      | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Consistency with other guidelines                 | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>Recommended clinical intervention</b>            |  |  |  |  |   |

<sup>1</sup> Assign numbers to each of the recommendations being implemented. For each factor, check the number of any recommendation for which further investigation is warranted.

| Determinants  | Investigate further<br>(Check relevant<br>recommendation #'s) <sup>1</sup>   | Reasons for further<br>investigation<br>(or for not investigating further) | Proposed modifications of the<br>questions to tailor them to the<br>specific recommendations | Plans for further investigation<br>(e.g. interviews or focus group<br>discussions with people in the<br>target audience or patients) | Comments (including potential<br>strategies to address barriers<br>or capitalise on facilitators) |
|---|--|--|--|--|---|
| • Feasibility   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Accessibility of the<br>intervention                    | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>Recommended behaviour</b>                              |  |  |  |  |   |
| • Compatibility   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Effort  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Troalability  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Observability   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Other   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>2. INDIVIDUAL HEALTH PROFESSIONAL FACTORS</b>          |  |  |  |  |   |
| <b>Knowledge and skills</b>                               |  |  |  |  |   |
| • Domain knowledge  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Awareness and<br>familiarity with the<br>recommendation | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Knowledge about<br>own practice                         | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Skills needed to<br>adhere                              | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>Cognitions (including attitudes)</b>                   |  |  |  |  |   |
| • Agreement with the<br>recommendation                    | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Attitudes towards<br>guidelines in general              | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Expected outcome  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Intention and<br>motivation                             | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Self-efficacy   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |

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|--|--|--|--|--|---|
| • Learning style                         | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Emotions                               | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>Professional behaviour</b>            |  |  |  |  |   |
| • Nature of the<br>behaviour             | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Capacity to plan<br>change             | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Self-monitoring or<br>feedback         | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Other                                  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>3. PATIENT FACTORS</b>                |  |  |  |  |   |
| • Patient needs                          | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Patient beliefs and<br>knowledge       | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Patient preferences                    | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Patient motivation                     | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Patient behaviour                      | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Other                                  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>4. PROFESSIONAL INTERACTIONS</b>      |  |  |  |  |   |
| • Communication and<br>influence         | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Team processes                         | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Referral processes                     | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Other                                  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>5. INCENTIVES AND RESOURCES</b>       |  |  |  |  |   |
| • Availability of necessary<br>resources | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |

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|--|--|--|--|--|---|
| • Financial incentives and disincentives         | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Nonfinancial incentives and disincentives      | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Information system                             | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Quality assurance and patient safety systems   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Continuing education system                    | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Assistance for clinicians                      | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Other  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>6. CAPACITY FOR ORGANISATIONAL CHANGE</b>     |  |  |  |  |   |
| • Mandate, authority, accountability             | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Capable leadership                             | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Relative strength of supporters and opponents  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Regulations, rules, policies                   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Priority of necessary change                   | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Monitoring and feedback                        | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Assistance for organisational changes          | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Other  | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| <b>7. SOCIAL, POLITICAL AND LEGAL FACTORS</b>    |  |  |  |  |   |
| • Economic constraints on the health care budget | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • Contracts                                      | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |

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|-----------------------------------|--|--|--|--|---|
| • <b>Legislation</b>              | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • <b>Payer or funder policies</b> | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • <b>Malpractice liability</b>    | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • <b>Influential people</b>       | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • <b>Corruption</b>               | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • <b>Political stability</b>      | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |
| • <b>Other</b>                    | 1 2 3 4 5 6 7 8<br><input type="checkbox"/> <input type="checkbox"/> |  |  |  |   |