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## Data Extraction Template for Included Studies

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### Introduction

The Cochrane Consumers & Communication Review Group has developed this template for its review authors. The template is designed to capture all relevant information about the included studies and their results.

This template is in 7 parts:

- Section 1: General review information
- Section 2: Methods of the study
- Section 3: Risk of bias assessment
- Section 4: Study characteristics - participants
- Section 5: Study characteristics - interventions and comparisons
- Section 6: Study characteristics - outcomes
- Section 7: Data and results

**This template includes elements which are divided into minimum standards (which must be addressed in the data extraction and reported in the review) and optional items, which can be tailored to the purpose of the review, as needed. Authors can also choose to add further data fields to their data extraction.**

This template is for use with included studies only. Much of the data extracted using this template should be reported in the *Characteristics of Included Studies* table, Risk of Bias tables and Data and Analyses sections in RevMan 5. Some of the extracted data may also be reported in Additional tables within the review.

Once data has been extracted and checked, you will need to decide what is reasonable (in terms of organisation of the review, and readability) to include in the Characteristics of included studies tables, and what could be included in Additional tables. Planning these decisions carefully helps when entering data to RevMan and writing the review.

This template is most suited to the assessment of bias for RCTs; however, elements can be adapted for use in the assessment of non-randomised studies, and in Section 3 we have indicated how to adapt the Risk of Bias tool for these types of studies. For Interrupted Time Series studies the data extraction template may need substantial reworking (See the Review Group's *Study Quality Guide* (<http://cccr.org/author-resources>) for more information).

Notes on using a data extraction form to extract data from included studies, including assessing the risk of bias:

- *Be consistent in the order and style you use to describe the information. This will make it easier to complete the Characteristics of Included Studies and Risk of Bias tables, prevent you from overlooking information and make reading of the review easier. It may even be helpful to extract data from a single study using your data extraction template, and then enter it into Revman to pilot how easily the extracted information can be entered, making any necessary revisions at this early stage.*
- *When extracting information, you should record the source of each piece of information, including the precise location within a document. This is for your own information only and should not be*

*included in the Characteristics of Included Studies and Risk of Bias tables unless a direct quote is included in the tables.*

- *Highlight any missing information as unclear or not described, to make it clear to the reader of your review that the information was not included in the description of the study, not that you forgot to extract it.*
- *It may be reasonable to make assumptions about how the study was conducted, but these assumptions must be reported by the review for transparency. Supplement ambiguous quotes with a decision of ‘Probably done’ or ‘Probably not done’, providing a rationale for the assumption.*
- *Include instructions and decision rules on the data extraction form. It is crucial that you practice using the form, and if you are the lead author you must train your co-authors in using the form. There should be joint agreement between people extracting data on what will be extracted within each section, and how ratings of studies will be made (eg what will be rated as a ‘low risk’ of bias for randomisation on the risk of bias tool). This should also be agreed with the person checking the data extracted from each included study, so that everyone involved in data extraction and checking clearly understands the decisions and data to be extracted. A cheat sheet containing decision rules and examples is highly recommended – particularly if more than one review author is extracting data, to ensure consistency.*
- *You must try to contact trial authors for any additional information or clarification required. When asking trial authors for more information about the study design and conduct, open ended questions will reduce the risk of overly positive answers. See Cochrane Handbook section 8.3.4. Sample letters to authors are available from the Managing Editor.*

A note on record keeping:

Completed extraction sheets (paper or electronic) must be retained by the lead author to facilitate data checking. These sheets should record who extracted the data, and who checked it in each case. These sheets should be made available to the Review Group editorial office upon request by the Managing Editor. These will be requested in select circumstances where it is unclear how data in the review were derived and/or checked.

**Section 1: General review information**

**Form version/date** (eg. Version 1.4, 5 August 2011)

**Review Title**

**Study ID** (Surname and Year: as it will appear in RevMan)

**Name of review author completing this form**

**Date form completed**

**Name of review author checking the data extracted to this form**

**Other information and notes**

<b>Author contact details for study</b>	
<b>Further information required</b>	
<b>Correspondence with authors successful or not; what information was received and when</b>	
<b>Will any additional unpublished data supplied by the authors be included in the review? If so, note that the study will include unpublished data (for entry to RevMan)</b>	

**Notes** (*Unpublished – for own use*)

*eg. references to be followed up, source of information especially if multiple reports of same trial, or unpublished data/personal communication included.*

**Section 2: Methods of the study**

*Details of Study (to be reported in the Characteristics of Included Studies tables)*

**Minimum standards:**

Aim of study (*As stated in the trial report/s. What was the trial designed to assess?*)

Study design

Number of arms or groups (including control groups); briefly describe each

Consumer involvement (*eg. In design of study and/or intervention; in delivery of intervention; in evaluation of intervention; in interpretation of study findings*)

Funding source (also include any details about possible or explicit conflicts of interest)

**Optional items:**

Informed consent obtained? (*Yes/No/Unclear*)

Ethical approval (*Yes/No/Unclear*)



### Section 3: Risk of Bias assessment

#### *Assessment of Risk of Bias for RCTs, quasi-RCTs and CBAs (used to complete the 'Risk of Bias' tables in RevMan 5.)*

This has been adapted directly from Cochrane Handbook Table 8.5.a: The Cochrane Collaboration's tool for assessing risk of bias

**NOTES:**

- For details on how to complete this section, you **must** refer to the Cochrane Handbook, chapter 8, particularly Table 8.5.c.
- The following table also includes decision rules developed to assist authors to make their assessments of particular Risk of Bias items. Authors are encouraged to use these rules, or to adapt them in a systematic way.

**Minimum standards: you must assess all items of the tool, as outlined below**

Domain	Review authors' judgement	Instructions	Notes on rating
Random sequence generation <sup>1</sup>	<i>High risk</i> <i>Unclear</i> <i>Low risk</i>	Describe the method used to generate the allocation sequence in sufficient detail to allow an assessment of whether it should produce comparable groups.	Quasi-RCTs and Controlled Before and After (CBA) studies must be rated as 'High risk' for random sequence generation as the methods were not, by definition, truly random.  If you are including only RCTs in your review, papers marked 'High risk' should be excluded as they are not truly randomised.  <u>Note</u> that to exclude a study on this basis there must be agreement on this decision by at least two authors.
Allocation concealment	<i>High risk</i> <i>Unclear</i> <i>Low risk</i>	Describe the method used to conceal the allocation sequence in sufficient detail to determine whether intervention allocations	Quasi-RCTs are likely to be rated 'High risk' but there may be exceptions.  CBA Studies should be rated 'High risk.'

		could have been foreseen in advance of, or during, enrolment.	
<p><b>Blinding of participants and personnel</b></p> <p><i>Assessments should be made for each main outcome (or class of outcomes)</i></p>	<p><b>High risk</b></p> <p><b>Unclear</b></p> <p><b>Low risk</b></p>	<p>Describe all measures used, if any, to blind study participants and personnel from knowledge of which intervention a participant received.</p> <p><u>Note</u> that the impact of performance bias <u>must</u> be considered and reported even if blinding of participants and/or personnel is <u>not</u> possible for the type of intervention being evaluated<sup>2,3</sup></p>	<p>Consider:</p> <ol style="list-style-type: none"> <li>1. Did the study attempt to blind the participants and/or personnel so that they did not know who received the intervention? Note that it may be possible to blind one but not the other (<i>eg participants but not personnel, or vice versa</i>)</li> <li>2. Were the measures that the study took to blind participants and/or personnel to study groups <u>effective</u> (or not)?</li> </ol> <p>These points will help to make the decision about whether the study is likely to be affected by performance bias (high, unclear, or low risk).</p> <p>Even in studies of informational or educational interventions it may be possible (though difficult) to effectively blind participants and/or personnel to intervention status (<i>eg measures such as a 'placebo' video, control information brochure, blank instructional booklet</i>).</p> <p>Please note that when making sense of the risk of bias ratings, you will need to consider the effects of blinding and incomplete outcome data <u>by outcome</u>, not just by study.</p>
<p><b>Blinding of outcome assessment</b></p> <p><i>Assessments should be made for each main outcome (or class of outcomes)</i></p>	<p><b>High risk</b></p> <p><b>Unclear</b></p> <p><b>Low risk</b></p>	<ol style="list-style-type: none"> <li>1. Describe all measures used, if any, to blind outcome assessors from knowledge of which intervention a participant received.</li> <li>2. Provide any information relating to whether the intended blinding was <u>effective</u>. Blinding of outcome assessment can be feasible even if blinding of participants and personnel is</li> </ol>	<p>The implications of whether outcome assessment was blinded, and how effectively, may differ across outcomes. Blinding of outcome assessment should therefore be considered separately <u>for each outcome</u>.<sup>3</sup></p> <p>Outcomes may be assessed using subjective or objective measures, and by self-reported or other means. They may be assessed by research personnel or by participants.</p> <p>To deal with this complexity, the following points are suggested as a guide:</p> <p>For <b>personnel-measured</b> outcomes: <i>eg case notes, observed medicine taking, rate of participation</i></p> <ul style="list-style-type: none"> <li>○ Participants blinded</li> </ul>

		not.	<ul style="list-style-type: none"> <li>▪ Personnel blinded: LOW risk</li> <li>▪ Personnel not blinded: HIGH risk</li> <li>○ Participants not blinded <ul style="list-style-type: none"> <li>▪ Personnel blinded: UNCLEAR risk</li> <li>▪ Personnel not blinded: HIGH risk</li> </ul> </li> </ul> <p>For <b>self-reported outcomes</b>: <i>eg knowledge, self-reported compliance, anxiety</i></p> <ul style="list-style-type: none"> <li>○ Participants blinded <ul style="list-style-type: none"> <li>▪ Personnel blinded: LOW risk</li> <li>▪ Personnel not blinded or unclear whether blinded: UNCLEAR risk</li> </ul> </li> <li>○ Participants not blinded <ul style="list-style-type: none"> <li>▪ Personnel blinded or unclear whether blinded: UNCLEAR risk</li> <li>▪ Personnel not blinded: HIGH risk</li> </ul> </li> </ul>
<p><b>Incomplete outcome data</b> <i>Assessments should be made for <u>each main outcome</u> (or class of outcomes)</i></p>	<p><b>High risk</b> <b>Unclear</b> <b>Low risk</b></p>	<p>Describe the completeness of outcome data for each main outcome, including attrition (loss to follow up, withdrawn) and exclusions from the analysis. Note that the participant numbers and reasons reported in the ‘Participants’ section of this form (below) should be used as a basis for making these decisions.</p> <p>State whether attrition and exclusions were reported,</p>	<p>The following ratings are suggested as a guide for rating this item:</p> <p><b>High risk</b></p> <ul style="list-style-type: none"> <li>• Reasons for missing data are related to the outcome, and there is imbalance in numbers or reasons for missing data across study groups (<i>eg more people dropped out of the intervention than control group because of adverse events of a study medication</i>).</li> <li>• The proportion of data missing or plausible effect size is large enough to have a clinically relevant effect.</li> <li>• Analysis was not performed on an ‘intention to treat’ basis (where people are analysed in the groups to which they were randomly assigned, irrespective of what happened during the study).</li> <li>• Imputation (entering substitute data to take the place of missing data) was done inappropriately.</li> </ul>

		<p>the numbers in each intervention group (compared with total randomized participants), reasons for attrition/exclusions where reported, and any re-inclusions in analyses performed by the review authors.</p>	<p><b>Unclear risk</b></p> <ul style="list-style-type: none"> <li>• The data is poorly reported - it is not clear how many participants/ data were lost from the study groups, and/or what the reasons for missing data were.</li> </ul> <p><b>Low risk</b></p> <ul style="list-style-type: none"> <li>• No data is missing.</li> <li>• Reasons for missing data are not related to the outcome.</li> <li>• Missing data is balanced across the study groups, and reasons for missing data are similar across groups.</li> <li>• The proportion of data missing or plausible effect size is not large enough to have a clinically relevant effect.</li> </ul> <p>The impact of missing data must be assessed for each outcome (or group of outcomes), as it may vary, and must also be considered at different time points if data was collected at different times.</p> <p>Assessing the completeness of outcome data must take into account:</p> <ol style="list-style-type: none"> <li>1. How much data is missing from each group?</li> <li>2. Why is it missing?</li> <li>3. How was the data analysed?</li> </ol> <p>1. No simple rule applies across the board; although the overall proportion of missing data is one thing to consider (<i>eg 50% of data missing would be more of a concern than 5%</i>). However, a judgement about attrition bias also relies on an assessment of whether enough data is missing that it could meaningfully affect the results. Assessing this means considering:</p> <ul style="list-style-type: none"> <li>• For dichotomous data: is the outcome rare or more common? If rare, only a few missing data could change the conclusions, whereas if the outcome is more common much more data could be missing before the conclusions would be</li> </ul>
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			<p>altered.</p> <ul style="list-style-type: none"> <li>• For continuous data: could the values for the missing participants be extremely different to the calculated mean for the sample available? If the missing values could not be very different to the mean value, it would take a lot of missing data to alter the mean. On the other hand, if the missing values could be very different to the estimated mean value, fewer missing data could produce a different mean.</li> </ul> <p>2. Reasons for missing data must also be considered. If the reason is not related to the outcome (eg people moved house and could no longer participate), this is described as data missing at random and is unlikely to systematically influence (bias) the results. If the reason for missing data is related to the outcome however, and this is different across study groups (eg <i>more people dropped out of the intervention than control group because of adverse events of a study medication</i>), this can introduce bias.</p> <p>3. Different re-analysis techniques may disrupt the randomisation set up for an RCT and so should be looked at carefully when assessing this risk of bias item. Refer to online training materials and Handbook.</p> <p>Please note that when making sense of the risk of bias ratings, you will need to consider the effects of blinding and incomplete outcome data <u>by outcome</u>, not just by study.</p>
<b>Selective reporting</b>	<b>High risk</b> <b>Unclear</b> <b>Low risk</b>	State how the possibility of selective outcome reporting was examined by the review authors, and what was found.	<p>The following ratings are suggested as a guide:</p> <p><b>High risk:</b></p> <ul style="list-style-type: none"> <li>• If a protocol for the study is available, and outcomes identified in the protocol are not reported by the study; and/or</li> <li>• Outcomes reported in the methods section are not reported as planned (ie as results for the study); and/or</li> <li>• Expected outcomes are reported but done in such a way that they cannot be included in the review's analyses (eg <i>the study reports a result as 'statistically significant'; but</i></li> </ul>

			<p><i>does not provide the specific numerical or other data that could be included in the analysis of that outcome).</i></p> <p><b>Unclear risk:</b></p> <ul style="list-style-type: none"> <li>• If no protocol for the study is available (and all expected outcomes reported in the methods are reported as planned)</li> </ul> <p><b>Low risk:</b></p> <ul style="list-style-type: none"> <li>• A protocol for the study is available and all expected outcomes are identified and reported as planned by the study.</li> </ul>
<p><b>Other sources of bias</b></p>	<p><b>Note: all answers should follow the format:</b></p> <p><b>High risk</b></p> <p><b>Unclear</b></p> <p><b>Low risk</b></p>	<p>State any important concerns about bias not addressed in the other domains in the tool.</p>	<p>If particular questions/entries were pre-specified in the review’s protocol, responses should be provided for each question/entry.</p> <p>Note that any other sources of bias identified here must have the potential to introduce systematic errors in the results of the study (not involve other aspects of the study that should be reported elsewhere in the review).</p> <p>Assessing other sources of bias is not essential but should be guided by the study designs included in the review.</p> <p>See the <i>Cochrane Handbook</i> 8.15.1 and 8.15.2 for further examples of potential threats to validity, as well as 16.3.2 for issues relating to cluster trials and 16.4.3 for cross-over trials.</p> <p>Do <u>not</u> assess in this domain aspects of conduct of the study, such as those:</p> <ul style="list-style-type: none"> <li>• associated with the ‘quality’ of a study <i>eg ethical criteria – such as whether the study obtained ethics approval;</i></li> <li>• related to precision of the study <i>eg use of a power calculation</i></li> <li>• linked to reporting standards or</li> <li>• related to validity and/or reliability of outcome measures</li> </ul>

			These aspects of the study can be collected and reported in the 'Characteristics of included studies' table.
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**1** Please note that contact with authors of an included study may mean that some decisions need to be revised. For example, if information from study authors confirms that the allocation method was not truly randomised, even if the study report describes the study as an RCT, (and only RCTs were eligible for inclusion in the review), the study would then need to be excluded from the review.

**2** For example: if participants and personnel cannot be blinded effectively to the intervention, this item would be rated as at high risk of bias for performance bias, with a reason for this decision reported as (for example) 'Participants and personnel were not able to be blinded to intervention' in the risk of bias tables. The impact of

An example of how this might be reported in the review text is as follows: 'Due to the overt nature of face to face interventions, blinding participants and personnel was not possible in any of the included studies, and all were assessed as high risk of bias on this domain' (Kaufman et al).

**3** For example, objective outcome measures (eg chart review, electronically recorded medicine taking, mortality) might be less affected by a lack of blinding than the potential effect of unblinded outcome assessment on subjective outcomes (eg pain, self-reported adherence, quality of life). Similarly, for blinding of participants and personnel the risk of bias may be high for some outcomes if unblinded (eg behavioural, socially desirable or some self-reported outcomes) but less likely to affect others such as mortality.

#### **Section 4: Study characteristics - Participants**

Please note that while some of the information extracted on participants is important to include in the Characteristics of Included Studies table, it may also be appropriate to include some of this information in Additional tables within the review – if, for example, there is a large amount of detail extracted and the Characteristics of included studies tables become unwieldy.

The minimum standards below outline those fields on which data must be extracted, the optional items can be chosen or adapted; and decisions need to be made about what to report in the Characteristics of included studies table and what could be reported in Additional tables.

##### **Minimum standards:**

Description (*eg. Patients/consumers; carers; parents of patients/consumers; health professionals; well people in the community*)

Geographic location (*eg. City/State/Country*)

Setting (*eg. Community, home, primary health centre, acute care hospital, extended care facility*)

Methods of recruitment of participants (*How were potential participants approached and invited to participate?*)

Inclusion/exclusion criteria for participation in study

Age: range, mean (standard deviation)

Gender\*

Ethnicity\*

Have important populations or groups been excluded from the study (*eg people with more than one concurrent health problem (multimorbidity) or disability, those from any socioeconomic groups*)?

Numbers involved:

Study numbers	Number
Eligible for inclusion	
Excluded	
Refused to take part	
Randomised to intervention group(s)	
Randomised to control group	
Excluded post randomisation (for each group; with reasons if relevant)	
Withdrawn (for each group; with reasons if relevant)	
Lost to follow up (for each group; with reasons)	Intervention group (with reasons)
	Control group (with reasons)
Included in the analysis (for each group, for each outcome)	Outcome 1  Intervention  Control

	Outcome 2 Intervention Control
	Outcome 3 Intervention Control
	Outcome 4 Intervention Control
	Outcome 5 Intervention Control
	Outcome 6 Intervention Control

**Optional items:\***

Principal health problem or diagnosis

Other health problem/s

Stage of problem/illness

Treatment received/receiving

Other social/demographic details (*eg. literacy or reading level*)

Setting (*eg. was the study undertaken in a research setting or in the patient's usual setting for receiving care?*)

\* If you are using the PROGRESS (an acronym for: place of residence; race/ethnicity/culture/ language; occupation; gender/ sex; religion; education; socioeconomic status; social capital) to systematically consider equity in your review, the some of the fields above can be used to collect data on some these items (race/ethnicity/culture/language; gender), but other factors will need to be added to the data extraction form.

### **Section 5: Study characteristics - Interventions**

Data on interventions (and control) procedures should be collected in enough detail to allow replication of the procedures. Depending on how much detail is available, some of this information might be best reported in Additional tables within the review, as the Characteristics of Included Studies tables will otherwise become very long and unwieldy.

The following points are based on the Template for Intervention Description and Replication (TIDieR) checklist (Hoffman et al 2014)\*\*, and should be adapted as a framework for data extraction **at a minimum**. Even if information is not available from the study reports or following contact with authors, this information should be sought and reported wherever possible.

If a set of standards, or a taxonomy, for describing the intervention exists then this should also be reported.

Data should be extracted for each relevant (included) intervention arm, as well as the control arm. Information on any co-interventions (if applicable) should also be recorded.

### **Minimum standards:**

Item	Explanation, notes	Intervention	Control or usual care
<b>1 Intervention name</b>	Include a brief name or phrase that describes the intervention <i>(including definition of any acronyms or abbreviations)</i>		
<b>2 Aims and rationale ('why?')</b>	<p>Aim(s) of intervention <i>(as stated in the trial report/s. What was the problem that this intervention was designed to address?)</i></p> <p>Describe any theory (with key references) or rationale relevant to the intervention. <i>(Note that for a complex intervention with different components, each component may have a different aim or rationale)</i></p> <p>Describe any information on the quality of the intervention, assessed by study authors, others, or by you - such as the evidence base supporting the intervention.</p>		
<b>3 What was done?</b>	<p><u>Materials:</u> Describe the content, format(s) or media, source of materials (if possible, where they can be accessed), and any other information relevant to the physical or information materials provided to participants or in training providers of the intervention.</p> <p><u>Procedures:</u> Describe each of the processes used in delivering the intervention <i>(eg education, telephone follow-up, case management)</i> <i>Note that some complex interventions require additional support activities to be implemented, and if so details of these should also be reported.</i> <i>Note also that some complex interventions require sequencing of activities, whereas for others the order of delivery is less critical.</i></p> <p><u>Mode of delivery:</u></p>		

	<p>Describe the mode of delivery of the intervention, such as whether it was delivered face-to-face (<i>eg in patient consultation, educational session, training</i>) or at a distance (<i>eg via phone, internet, mail</i>); and whether the delivery was to individuals or groups of participants.</p> <p><u>Cointerventions:</u> Describe the delivery of any co-interventions (<i>Co-interventions may be separate to the intervention of interest, or they may be other similar elements in a suite of interventions which have a common purpose</i>).</p>		
<b>4 Who delivered the intervention?</b>	<p>Describe who was involved in delivery of each component of the intervention and/or each different intervention provider. 'Intervention provider' could for example be taken to mean a health professional or it could mean a consumer peer advocate.</p> <p>Include description of any specific training given to providers to deliver the intervention, numbers of providers, professional background, specific pre-existing skills or experience required, quality of any specific training received to deliver the intervention, and any measures of competence or consistency in delivering the intervention recorded before or during the study.</p>		
<b>6 Where was the intervention provided?</b>	<p>Describe the features of the setting (location) that might be relevant to intervention delivery (<i>eg country, type of clinic, primary or hospital care</i>).</p> <p>If the location varied this should be described, with relevant features that might affect the intervention delivery; as should any requisite features of the location that might impact on intervention delivery or feasibility (<i>eg location close to participants' usual doctor, availability of equipment</i>)</p>		
<b>7 When and how often or how</b>	Describe how the intervention was delivered, such as stages, timing, frequency, number of sessions, intensity and duration of intervention		

<b>much of the intervention was provided?</b>	delivery.		
<b>8 Was the intervention tailored?</b>	<p>If the intervention was meant to be tailored or personalised in the course of the study, describe the rationale for this and the major features of what was done - such as:</p> <ul style="list-style-type: none"> <li>• how?</li> <li>• why?</li> <li>• when? and</li> <li>• what?</li> </ul> <p>was done to tailor the intervention.</p> <p>If particular decision rules were used to determine when or how to tailor the intervention details should be provided.</p>		
<b>9 Was the intervention modified or adapted?</b>	<p>If the intervention was changed during the study, this should be described <i>(eg unforeseen modifications required, changes in study circumstances requiring modifications to the intervention).</i></p> <p>If such modifications happen, why, what, how and when the intervention was changed should be described.</p>		
<b>10 How well was the intervention delivered?</b>	<p><u>Assessment</u> of fidelity: if intervention fidelity was assessed, describe the extent to which the intervention was delivered as intended. <i>(ie the amount or type of intervention planned for delivery might differ from what was actually delivered)</i></p> <p>If strategies to maintain intervention fidelity were <u>planned</u> before intervention delivery, or were used during the study, describe these, along with any materials or tools used.</p>		

\*\*Table is adapted from Hoffman et al (2014). Better reporting of interventions: template for intervention description and replication (TIDieR) checklist and guide. BMJ; 348:g1687.

## Section 6: Study characteristics - Outcomes and comparison groups

All data reported by the included study for all eligible primary and secondary outcomes sought by the review must be reported.

Data on all relevant adverse events must also be collected and reported. These should be included as primary outcomes, unless there is a good rationale not to do so.

If adverse effects are not reported by the included study, it should be clearly reported whether adverse effects were investigated or not by the study.

Details may be best presented in Additional tables if a large volume of information is collected for each study.

**Please also note** that it may be useful to include a note about the direction of the effect alongside your extracted data. This may be helpful especially in cases where a number of different scales are used to report findings (across studies) and/or when sometimes an effect of an intervention is framed as a positive effect (eg increased symptom-free days) and as a negative effect (eg decrease in symptoms). This will help to ensure that there are no errors introduced once the extracted data is brought together across different studies (for a given outcome).

### Minimum standards:

Primary outcomes			
Outcome	Method of assessing outcome measures <i>eg, phone survey, questionnaire</i>	Method of follow-up for non-respondents	Timing of outcome assessment <i>(including frequency, length of follow up)</i>

<b>Primary outcomes - adverse events</b>		
<i>(eg complaints, levels of dissatisfaction, adverse incidents, side effects, increased inequities)</i>		
Adverse event	Method of assessment	Timing of assessment

<b>Secondary outcomes</b>			
Outcome	Method of assessing outcome measures <i>eg, phone survey, questionnaire</i>	Method of follow-up for non-respondents	Timing of outcome assessment <i>(including frequency, length of follow up)</i>

**Notes field**

*(These are published in the table Characteristics of Included Studies)*

*For example:*

- *Contact with author (Yes (information obtained)/No) (SEE NOTE ON PAGE 1)*
- *Record if the study was translated from a language other than English.*
- *Record if the study was a duplicate publication.*

## Section 7: Data and results

These data will be used in the “*Comparisons and Data*” section in RevMan (not the table “*Characteristics of Included Studies*”) and as the basis for the “*Results*” section of your review text.

All data are numbers (of patients/units), not percentages.

### **Minimum standards:**

**You must extract all data relevant to the outcomes specified in your selection criteria. This may be as dichotomous, continuous, and/ or other data or results.**

### ***Dichotomous outcomes***

Outcome	Timing of outcome assessment (days/months)	Intervention group*		Control group		Notes
		Observed (n)	Total (N)	Observed (n)	Total (N)	

*\*Note: add additional columns if there is more than one intervention group, eg. Intervention Group A, Intervention Group B...*

### ***Continuous outcomes***

Outcome	Timing of outcome	Intervention group	Control group	Notes

	assessment (days/months)	*Mean / Mean change	Standard deviation	N	*Mean / Mean change	Standard deviation	N	

*\*delete as appropriate*

**Other results or data:**

For example:

- additional data collected only for some participants that may be important for understanding the effects of the interventions (particularly if they relate to primary outcomes and/or adverse events)
- qualitative data that sits alongside the evaluation of effectiveness
- statements about the effects of interventions, reported without the numerical or supporting data (eg reported as 'knowledge was significantly higher in the intervention group'). Note that if this kind of data is reported in the review it must be clearly identified as such.