**#Insert review title#: A systematic review**

Primary reviewer name1

Secondary reviewer name2

1 Primary reviewer affiliation

2 Secondary reviewer affiliation

**Corresponding author:**

Reviewer name

Email xx@xx.xx.xx

## Executive summary

Background

#Insert text#

Objectives

Inclusion criteria

***Types of participants***

***Types of intervention(s)/phenomena of interest***

***Types of studies***

***Types of outcomes***

Search strategy

Methodological quality

Data extraction

Data synthesis

Results

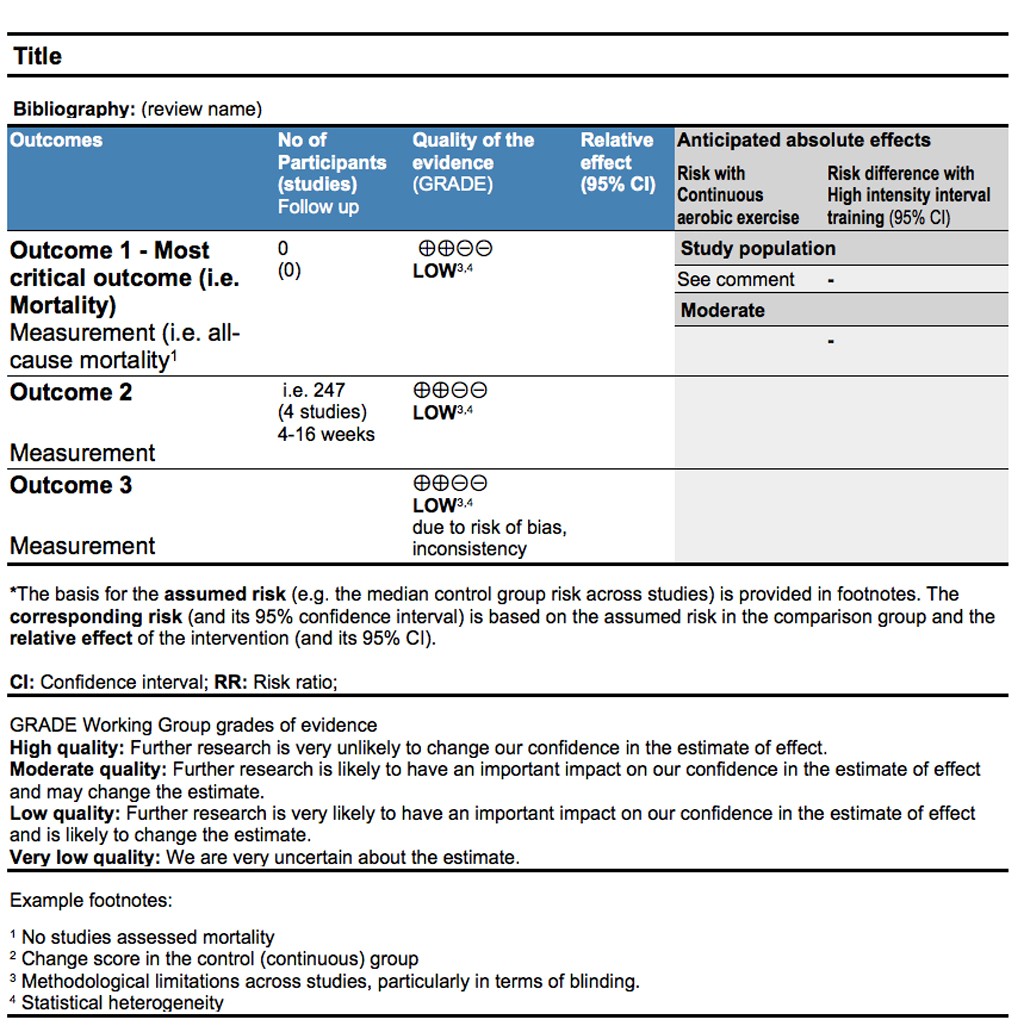
**Conclusions**

**Implications for practice**

**Implications for research**

**Keywords**

Table 1: Summary of findings



OR



**Introduction**

**Background**

#Insert text#

This review was conducted according to an *a priori* published protocol. #Insert reference for protocol#

***Subheading*** (if required)

**Objectives**

The quantitative objective/s is/are to identify the effectiveness of #state intervention# on #state outcome#

More specifically, the objectives are to identify the effectiveness of #insert text# on #insert text# in #insert text#

The qualitative objective/s is/are to identify the meaningfulness/appropriateness of #modify text as appropriate# of #phenomena of interest#.

The textual objective/s is/are to identify the findings of #describe#

The economic objective/s of this review is/are to identify the cost effectiveness, cost benefit, cost minimization, cost utility #modify text as appropriate# of #state intervention# on #state outcome#

More specifically, the objectives are to identify the evidence on:

The cost effectiveness, cost benefit, cost minimization, cost utility #modify text as appropriate# of #insert text# compared to #insert text# on #insert text# in #insert text#

**Inclusion criteria**

***Types of participants***

This review considered studies that included #describe participants#

***Types of intervention(s)/phenomena of interest***

This review considered studies that evaluated #insert text#

***Types of studies***

The quantitative component of the review considered both experimental and epidemiological study designs including randomized controlled trials, non-randomized controlled trials, quasi-experimental studies, before and after studies, prospective and retrospective cohort studies, case control studies and analytical cross sectional studies #modify text as appropriate# for inclusion. The quantitative component of the review also considered descriptive epidemiological study designs including case series, individual case reports and descriptive cross sectional studies #modify text as appropriate# for inclusion.

The qualitative component of the review considered studies that focused on qualitative data including, designs such as phenomenology, grounded theory, ethnography, action research and feminist research #modify text as appropriate#.

In the absence of research studies, other text such as opinion papers and reports were considered. The textual component of the review considered expert opinion, discussion papers, position papers and other text #modify text as appropriate#.

The economic component of the review will consider cost effectiveness, cost benefit, cost minimization, cost utility #modify text as appropriate# studies.

***Types of outcomes***

This review considered studies that included the following outcoms: #insert text#

**Search strategy**

The search strategy aimed to find both published and unpublished studies. A three-step search strategy was utilised in this review. An initial limited search of MEDLINE and CINAHL #change as appropriate# was undertaken followed by analysis of the text words contained in the title and abstract, and of the index terms used to describe article. A second search using all identified keywords and index terms was undertaken across all included databases. Thirdly, the reference list of all identified reports and articles was searched for additional studies. Studies published in #insert language(s)# were considered for inclusion in this review. Studies published #insert dates# were considered for inclusion in this review.

The databases searched included:

#insert text#

The search for unpublished studies included:

#insert text#

Initial keywords to be used were:

#insert text#

The full search strategy is provided in Appendix #modify number as appropriate#.

**Method of the review**

Quantitative papers selected for retrieval were assessed by two independent reviewers for methodological validity prior to inclusion in the review using standardized critical appraisal instruments from the Joanna Briggs Institute Meta Analysis of Statistics Assessment and Review Instrument (JBI-MAStARI) (Appendix #number as appropriate#). Any disagreements that arose between the reviewers were resolved through discussion, or with a third reviewer.

Qualitative papers selected for retrieval were assessed by two independent reviewers for methodological validity prior to inclusion in the review using standardized critical appraisal instruments from the Joanna Briggs Institute Qualitative Assessment and Review Instrument (JBI-QARI) (Appendix #number as appropriate#). Any disagreements that arose between the reviewers were resolved through discussion, or with a third reviewer.

Textual papers selected for retrieval were assessed by two independent reviewers for authenticity prior to inclusion in the review using standardized critical appraisal instruments from the Joanna Briggs Institute Narrative, Opinion and Text Assessment and Review Instrument (JBI-NOTARI) (Appendix #number as appropriate#). Any disagreements that arose between the reviewers were resolved through discussion, or with a third reviewer.

Economic papers selected for retrieval were assessed by two independent reviewers for methodological validity prior to inclusion in the review using standardized critical appraisal instruments from the Joanna Briggs Institute Analysis of Cost, Technology and Utilisation Assessment and Review Instrument (JBI-ACTUARI) (Appendix #number as appropriate#). Any disagreements that arose between the reviewers were resolved through discussion, or with a third reviewer.

**Data extraction**

Quantitative data were extracted from papers included in the review using the standardized data extraction tool from JBI-MAStARI (Appendix #number as appropriate#). The data extracted included specific details about the interventions, populations, study methods and outcomes of significance to the review question and specific objectives #modify text as appropriate#.

Qualitative data were extracted from papers included in the review using the standardized data extraction tool from JBI-QARI (Appendix #number as appropriate#). The data extracted included specific details about the interventions, populations, study methods and outcomes of significance to the review question and specific objectives #modify text as appropriate#.

Textual data were extracted from papers included in the review using the standardized data extraction tool from JBI-NOTARI (Appendix #number as appropriate#). The data extracted included specific details about the interventions, populations, study methods and outcomes of significance to the review question and specific objectives #modify text as appropriate#.

Economic data were extracted from papers included in the review using the standardized data extraction tool from JBI-ACTUARI (Appendix #number as appropriate#). The data extracted included specific details about the interventions, populations, study methods and outcomes of significance to the review question and specific objectives #modify text as appropriate#.

**Data synthesis**

Quantitative data were, where possible, pooled in statistical meta-analysis using JBI-MAStARI. All results will be subject to double data entry. Effect sizes expressed as odds ratio (for categorical data) and weighted mean differences (for continuous data) and their 95% confidence intervals were calculated for analysis #modify text as appropriate#. Heterogeneity was assessed statistically using the standard Chi-square and also explored using subgroup analyses based on the different quantitative study designs included in this review. Where statistical pooling was not possible the findings were presented in narrative form including tables and figures to aid in data presentation where appropriate.

Qualitative research findings were, where possible, pooled using JBI-QARI. This involved the aggregation or synthesis of findings to generate a set of statements that represent that aggregation, through assembling the findings rated according to their quality, and categorizing these findings on the basis of similarity in meaning. These categories were then subjected to a meta-synthesis in order to produce a single comprehensive set of synthesized findings that could be used as a basis for evidence-based practice. Where textual pooling was not possible the findings were presented in narrative form.

Textual papers were, where possible,pooled using JBI-NOTARI. This involved the aggregation or synthesis of conclusions to generate a set of statements that represent that aggregation, through assembling and categorizing these conclusions on the basis of similarity in meaning. These categories were then subjected to a meta-synthesis in order to produce a single comprehensive set of synthesized findings that could be used as a basis for evidence-based practice. Where textual pooling was not possible the conclusions will be presented in narrative form.

Economic findings were, where possible pooled using JBI-ACTUARI and presented in a tabular summary. Where this was not possible, findings were presented in narrative form.

**Results**

***Description of studies***

#Insert text pertaining to searching and study selection here. Consider alternative heading of “Study Selection”. Refer to Study selection flow chart in the text#.

Number of additional records identified through other sources (N=X)

Number of records identified through a systematic search (N=X)

Identification

Number of records after duplicates removed (N=x)

Screening

Number of records screened (N=x)

Number of records excluded (N=x)

Number of full-text articles assessed for eligibility (N=x)

Number of articles excluded on reading full-text (N=X)

Eligibility

Number of articles excluded on critical appraisal (N=x)

Number of articles assessed for quality (N=X)

Number of articles included

**(N=x)**

Included

*From:*  Moher D, Liberati A, Tetzlaff J, Altman DG, The PRISMA Group (2009). *P*referred *R*eporting *I*tems for *S*ystematic

Reviews and *M*eta-*A*nalyses: The PRISMA Statement. PLoS Med 6(6): e1000097. doi:10.1371/journal.pmed1000097

**Figure #: Titles and captions should be concise but comprehensive. The figure must be understandable without reference to the text. PRISMA flow diagram of search and study selection process (please use editable text NOT an image)**

#Insert text describing characteristics of included studies. Refer to table of characteristics of included studies (Appendix #) here#.

***Methodological quality***

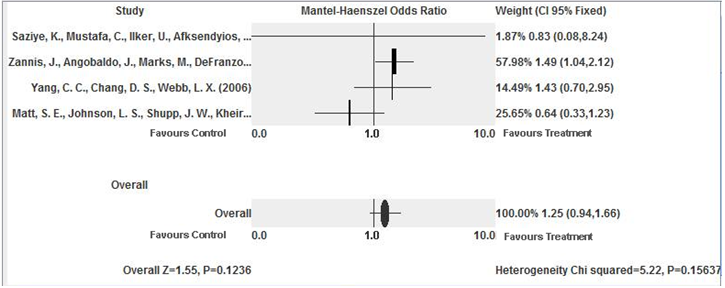
#Insert text#

**Table #: Assessment of methodological quality**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Citation | Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
| Chen YC, Chou SS, Lin  LH, Wu LF, 2006 | Y | N | U | U | N | Y | Y | Y | Y | Y |
| Hiebert JM, Brown A, Anderson RG, Halfacre S, Rodeheaver GT, Edlich PF, 1981 | N | N | N | Y | N | U | Y | Y | Y | U |
| Kocan MJ, Hickisch SM,  1986 | Y | N | N | U | U | U | U | Y | Y | U |
| MacLeod JB, Lefton J, Houghton D, Roland C, Doherty J, Cohn SM et al., 2007 | Y | N | Y | U | U | Y | Y | Y | Y | Y |
| Serpa LF, Kimura M, Faintuch J, Ceconello I,  2003 | U | N | N | U | N | N | Y | Y | Y | U |
| Taylor TT, 1982 | Y | N | N | U | N | U | Y | Y | Y | N |
| % | 66.67 | 0.00 | 16.67 | 16.67 | 0.00 | 33.33 | 83.33 | 100.00 | 100.00 | 33.33 |

## Findings of the review

#Insert text#



**Figure #: Titles and captions should be concise but comprehensive. The figure must be understandable without reference to the text. For example: The effect of the interevention compared with the comparator on the outcome.**

|  |  |  |
| --- | --- | --- |
| **Findings** | **Categories** | **Synthesized findings** |
| Finding | Category | Synthesized finding |
| Finding |
| Finding | Category |
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| Finding | Category |
| Finding |

**Figure #: Results of metasynthesis of qualitative research findings** **(Please use editable text not an image)**

## Discussion

#insert text#

***Subheading*** (if required)

## Conclusion

#Insert text#

***Implications for practice***

#Implications for practice must use JBI Grades of Recommendation#

***Implications for research***

#Insert text#

## Conflict of interest

#Insert text#

## Acknowledgements

#Insert text#

## References

1. Rorabeck CH. The treatment of compartment syndromes of the leg. J Bone Joint Surg Br. 1984;66(1):93-7.

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19. Harris I. Gradual closure of fasciotomy wounds using a vessel loop shoelace. Injury. 1993;24(8):565-6.

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## Appendix I: Search strategy

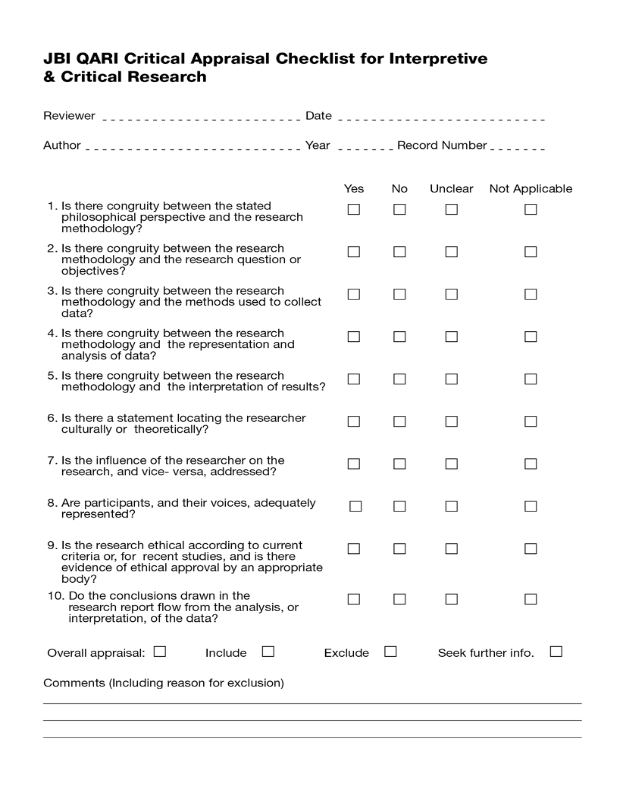
PubMed (pubmed.gov)

Search on #Insert date#

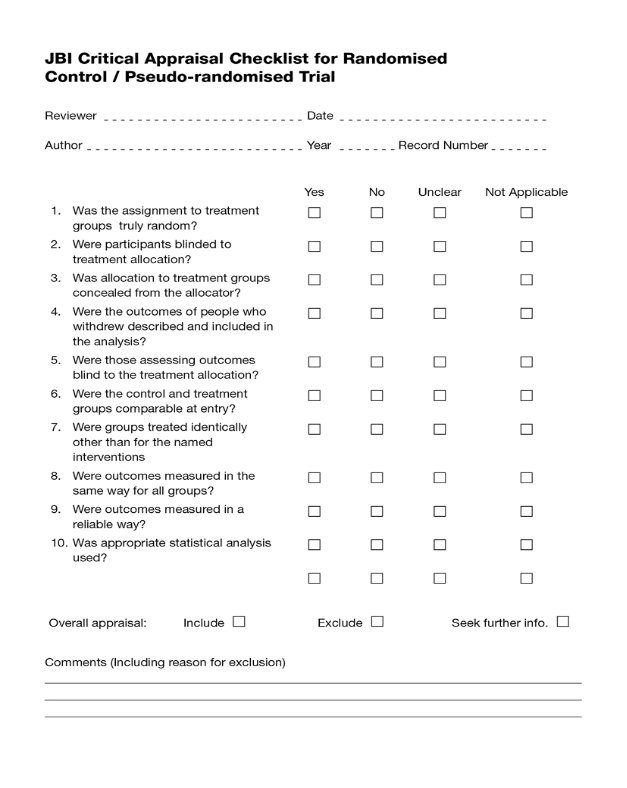
|  |  |
| --- | --- |
| Search | Query |
| #1 | Stillbirth\*[tw] OR Stillborn\*[tw] OR Still-birth\*[tw] OR Still-born\*[tw] OR Fetal death\*[tw] OR Foetal death\*[tw] OR Fetus death\*[tw] OR Foetus death\*[tw] OR Intrauterine death\*[tw] OR Utero death\*[tw] OR Perinatal death\*[tw] OR Antepartum death\*[tw] OR Antenatal death\*[tw] OR Intrapartum death\*[tw] OR Prenatal death\*[tw] OR "Stillbirth"[Mesh] OR "fetal death"[Mesh] OR "Perinatal Mortality"[Mesh] |
| #2 | Psychosocial[tiab] OR Psycholog\*[tiab] OR Psychotherap\*[tiab] OR Psychopath\*[tiab] OR Social[tiab] OR Griev\*[tiab] OR Grief[tiab] OR Anxiety[tiab] OR Emotion\*[tiab] OR Wellbeing[tiab] OR Well-being[tiab] OR Mourn\*[tiab] OR Depressi\*[tiab] OR Bereave\*[tiab] OR Guilt[tiab] OR Cope\*[tiab] OR Coping[tiab] OR Stress\*[tiab] OR "Counseling"[Mesh] OR "Aftercare"[Mesh] OR "Social Support"[Mesh] OR "Adaptation, Psychological"[Mesh] OR "parents/psychology\*"[Mesh] OR "mothers/psychology\*"[Mesh] OR "Women/psychology"[Mesh] OR "Parent-Child Relations"[Mesh] OR Professional-Patient Relations\*[Mesh] OR "Fathers/psychology"[Mesh] OR "Depression"[Mesh] OR "Depressive Disorder, Major"[Mesh] OR "Emotions"[Mesh] OR "Anxiety"[Mesh] OR "Anxiety Disorders"[Mesh] OR "Bereavement"[Mesh] OR "Grief"[Mesh] OR "Professional-Family Relations"[Mesh] OR "Guilt"[Mesh] OR "Family/psychology"[Mesh] OR "Mental Health"[Mesh] OR "Psychotherapy"[Mesh] OR "Psychology"[Mesh] |
| #3 | #1 AND #2 |
| Limit to #insert date, language, species etc limits# | |

## Appendix II: Appraisal instruments

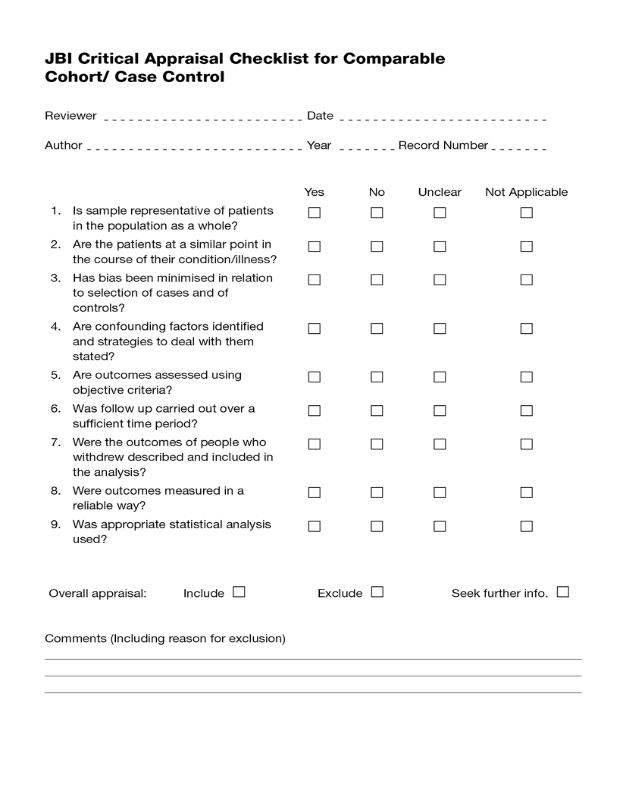
**QARI appraisal instrument**



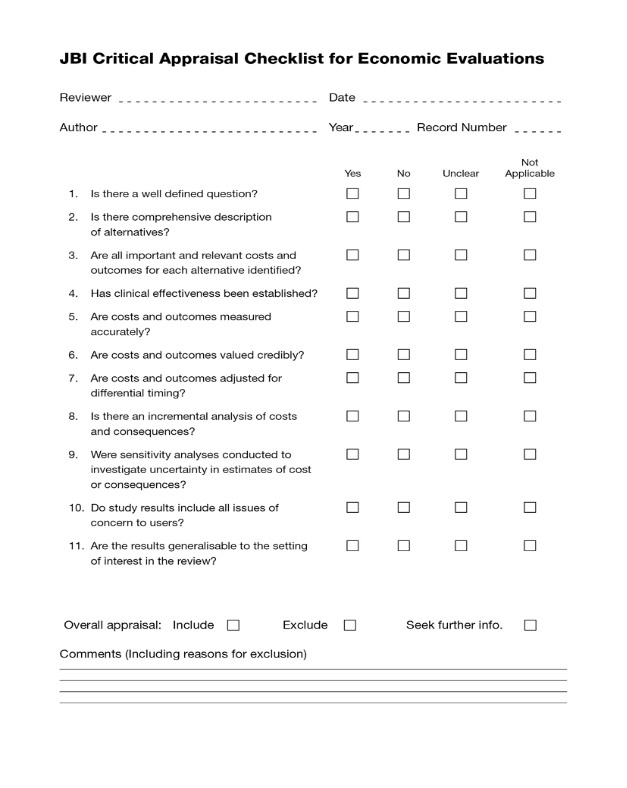
**MAStARI appraisal instrument**



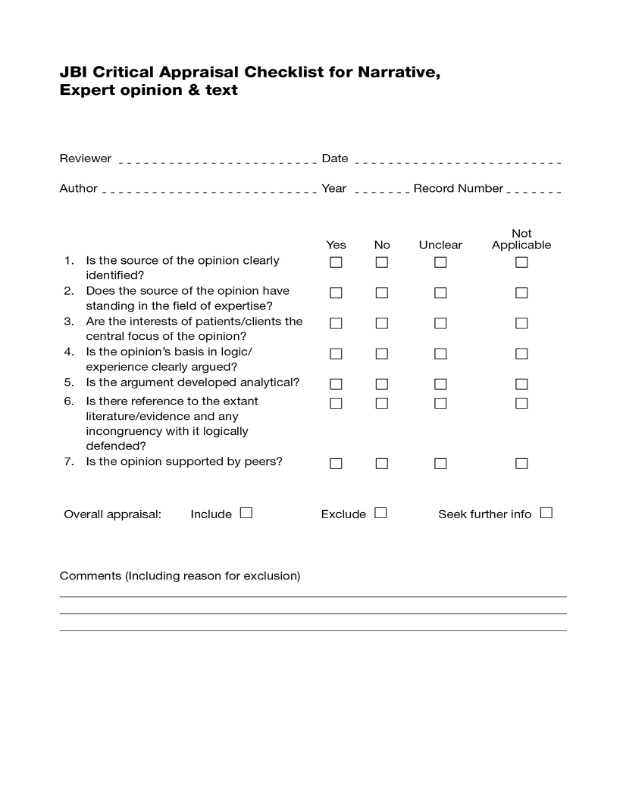




**ACTUARI appraisal instrument**



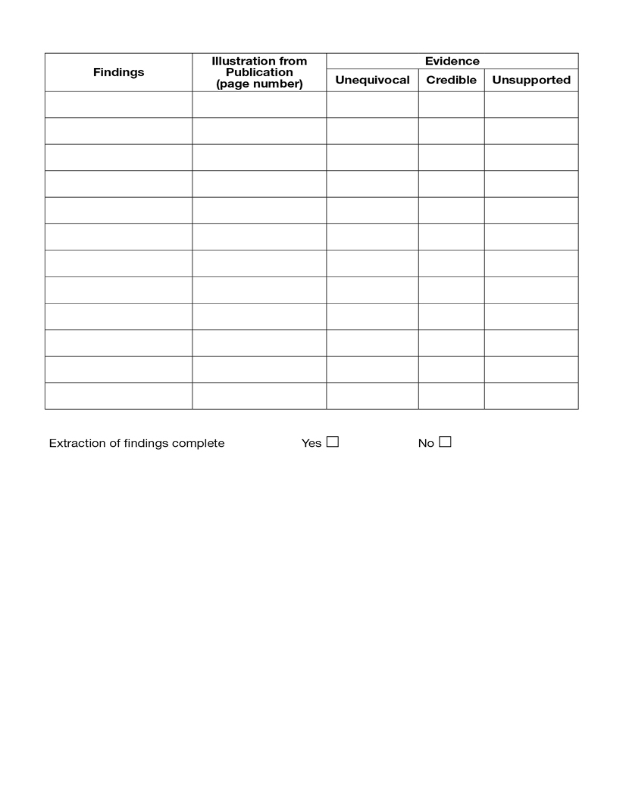
**NOTARI appraisal instrument**



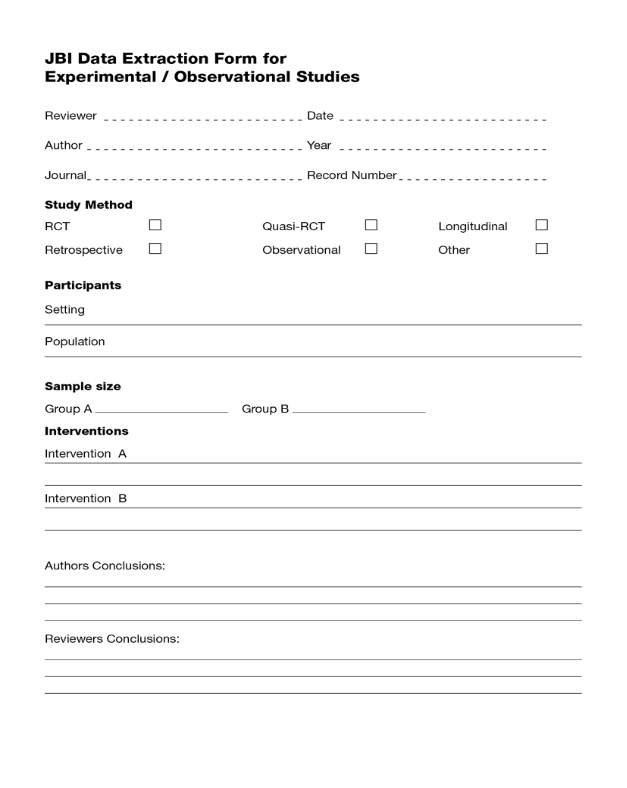
## Appendix III: Data extraction instruments

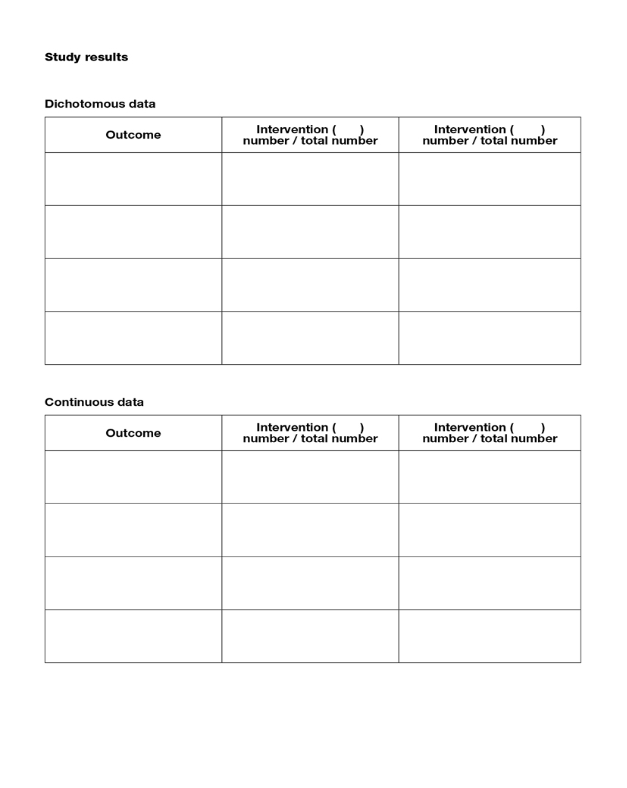
**QARI data extraction instrument**



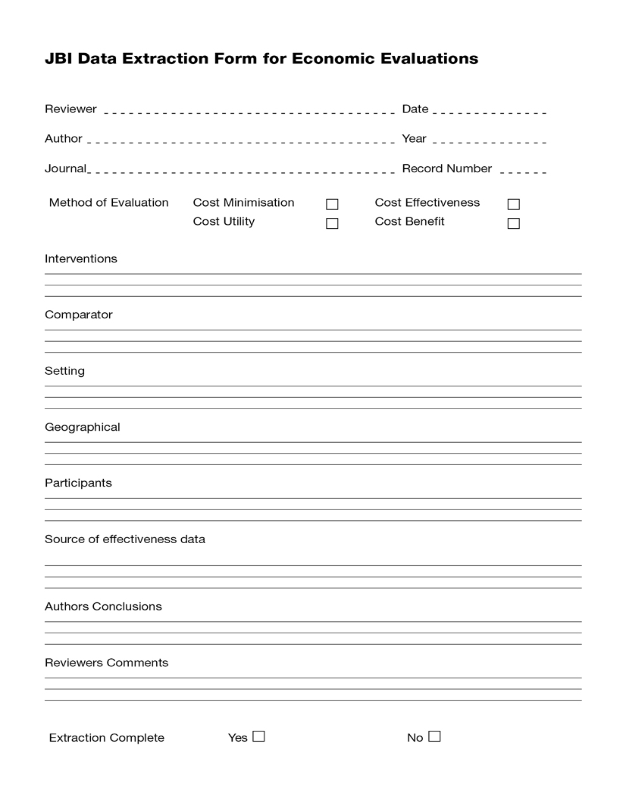


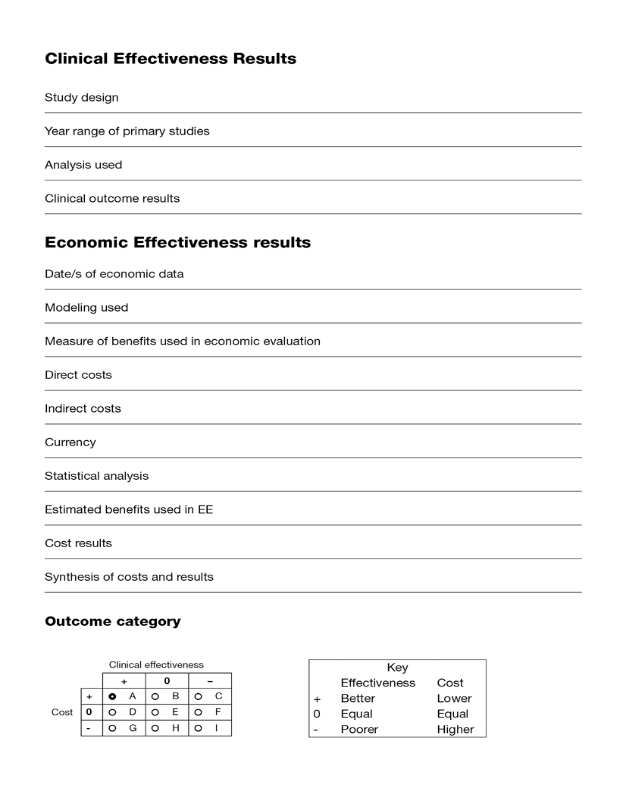
**MAStARI data extraction instrument**



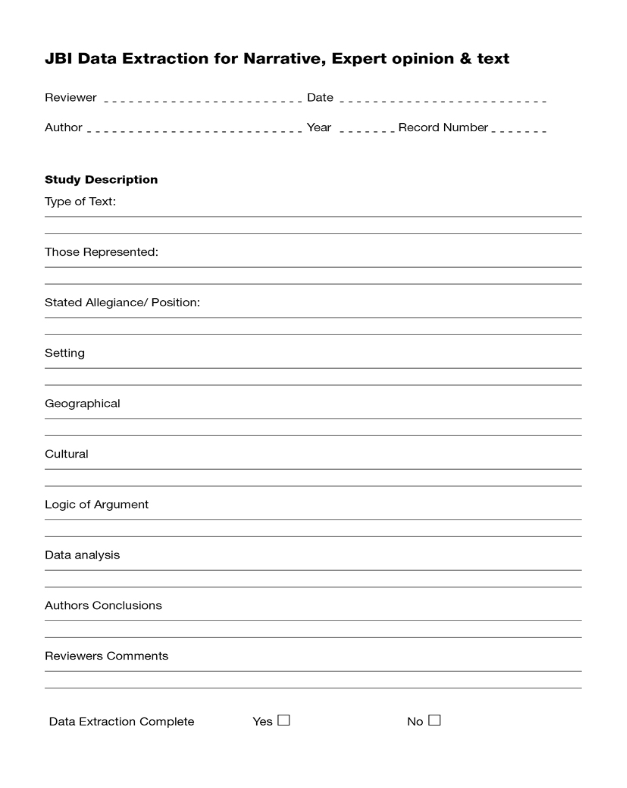


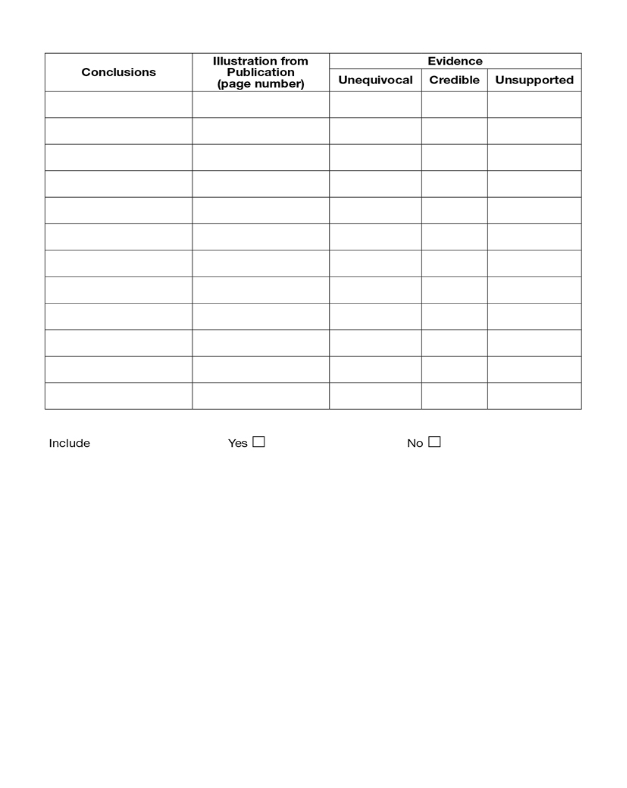
**ACTUARI data extraction instrument**





**NOTARI data extraction instrument**





## Appendix IV: Excluded studies

#Insert text of excluded studies. Where studies have been excluded based on not meeting inclusion criteria or being of insufficient quality, these need to be listed separately#.

Boxer LK and Buchman SR. An alternative method of closure of fasciotomy wounds: healing by secondary intention

**Reason for exclusion: Methodology lacked rigor including criteria for inclusion in study not defined and no length of stay recorded.**

Harrah J, Gates R, Carl J, Harrah JD. A simpler, less expensive technique for delayed primary closure of fasciotomies

**Reason for exclusion: Paper described a wound management technique but data about the patients the method was used on was not described clearly enough in the paper.**

Heemskerk J and Kitslaar P. Acute compartment syndrome of the lower leg: retrospective study on prevalence, technique, and outcome of fasciotomies

**Reason for exclusion: Outcomes of interest not clearly defined.**

Schwartz Jr JT, Brumback RJ, Lakatos R, Poka A, Bathon GH, Burgess AR. Acute compartment syndrome of the thigh. A spectrum of injury

**Reason for exclusion: This study reviewed patients who developed thigh compartment syndrome overall, therefore wound treatment was not the main focus of the paper and most outcomes of interest were not documented.**

**Appendix V: List of study findings/conclusions/Characteristics of included studies**

**MAStARI**

| Study | Methods | Participants | Intervention A | Intervention B | Notes |
| --- | --- | --- | --- | --- | --- |
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