# JBI Critical Appraisal Checklist

## JBI Critical Appraisal Checklist for Studies Reporting Prevalence Data

<table>
<thead>
<tr>
<th>Reviewer ______________________</th>
<th>Date ____________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Author ________________________</td>
<td>Year ___________ Record Number ______</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1. Was the sample frame appropriate to address the target population?</th>
<th>Yes</th>
<th>No</th>
<th>Unclear</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Were study participants sampled in an appropriate way?</td>
<td>Yes</td>
<td>No</td>
<td>Unclear</td>
<td>Not applicable</td>
</tr>
<tr>
<td>3. Was the sample size adequate?</td>
<td>Yes</td>
<td>No</td>
<td>Unclear</td>
<td>Not applicable</td>
</tr>
<tr>
<td>4. Were the study subjects and the setting described in detail?</td>
<td>Yes</td>
<td>No</td>
<td>Unclear</td>
<td>Not applicable</td>
</tr>
<tr>
<td>5. Was the data analysis conducted with sufficient coverage of the identified sample?</td>
<td>Yes</td>
<td>No</td>
<td>Unclear</td>
<td>Not applicable</td>
</tr>
<tr>
<td>6. Were valid methods used for the identification of the condition?</td>
<td>Yes</td>
<td>No</td>
<td>Unclear</td>
<td>Not applicable</td>
</tr>
<tr>
<td>7. Was the condition measured in a standard, reliable way</td>
<td>Yes</td>
<td>No</td>
<td>Unclear</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
for all participants?

8. Was there appropriate statistical analysis?

9. Was the response rate adequate, and if not, was the low response rate managed appropriately?

Overall appraisal: Include □ Exclude □ Seek further info □

Comments (Including reason for exclusion)

__________________________________________________________________
__________________________________________________________________
__________________________________________________________________
### JBI Critical Appraisal Checklist for Analytical Cross Sectional Studies

**Reviewer ______________________**  |  **Date ____________________**  
---|---
**Author ________________________**  |  **Year ___________**  |  **Record Number ______**

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unclear</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

1. Were the criteria for inclusion in the sample clearly defined? □ □ □ □

2. Were the study subjects and the setting described in detail? □ □ □ □

3. Was the exposure measured in a valid and reliable way? □ □ □ □

4. Were objective, standard criteria used for measurement of the condition? □ □ □ □

5. Were confounding factors identified? □ □ □ □

6. Were strategies to deal with confounding factors stated? □ □ □ □

7. Were the outcomes measured in a valid and reliable way? □ □ □ □
8. Was appropriate statistical analysis used?

Overall appraisal: Include □ Exclude □ Seek further info □

Comments (Including reason for exclusion)

__________________________________________________________________
__________________________________________________________________
__________________________________________________________________
## JBI Critical Appraisal Checklist for Case Control Studies

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unclear</th>
<th>Not applicable</th>
</tr>
</thead>
</table>

1. **Were the groups comparable other than the**
   - presence of disease in cases or the absence of disease in controls?  
     - □  □  □  □

2. **Were cases and controls matched**
   - □  □  □  □

3. **Were the same criteria used for identification of**
   - □  □  □  □

4. **Was exposure measured in a standard, valid and reliable way?**
   - □  □  □  □

5. **Was exposure measured in the same way for**
   - □  □  □  □

---

of the identified sample?

6. Were confounding factors identified? □ □ □ □

7. Were strategies to deal with confounding factors stated? □ □ □ □

8. Were outcomes assessed in a standard, valid and reliable way for cases and controls? □ □ □ □

9. Was the exposure period of interest long enough to be meaningful? □ □ □ □

10. Was appropriate statistical analysis used? □ □ □ □

Overall appraisal: Include □ Exclude □ Seek further info □

Comments (Including reason for exclusion)

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__________________________________________________________________
# JBI Critical Appraisal Checklist for Cohort Studies

Reviewer ______________________               Date ____________________  
Author ________________________              Year ___________    Record Number ______  

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Unclear</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

1. Were the two groups similar and recruited from the same population? □ □ □ □  
2. Were the exposures measured similarly to assign people to both exposed and unexposed groups? □ □ □ □  
3. Was the exposure measured in a valid and reliable way? □ □ □ □  
4. Were confounding factors identified? □ □ □ □  
5. Were strategies to deal with confounding factors stated? □ □ □ □  
6. Were the groups/participants free of the outcome at the start of the study (or at the moment of exposure)? □ □ □ □  
7. Were the outcomes measured in a valid and reliable way? □ □ □ □  

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8. Was the follow up time reported and sufficient to be long enough for outcomes to occur? □ □ □ □

9. Was follow up complete, and if not, were the reasons to loss to follow up described and explored? □ □ □ □

10. Were strategies to address incomplete follow up utilized? □ □ □ □

11. Was appropriate statistical analysis used? □ □ □ □

Overall appraisal: Include □ Exclude □ Seek further info □

Comments (Including reason for exclusion)

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