



## **‘Feeding young children aged 1 to 5 years’**

—  
**Annex 8**

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# Annex 8: AMSTAR 2 assessment of identified systematic reviews

## AMSTAR 2 tool

1. The AMSTAR 2 is a quality assessment tool of systematic reviews (SRs) with or without meta-analyses (MA) of randomised and non-randomised studies. It is composed of a checklist of 16 items or domains (Shea et al, 2017). For the majority of items, responses are dichotomous ('yes' or 'no'). Five items also provide a 'partial yes' response.
2. The authors of AMSTAR 2 consider 7 of the 16 items to critically affect the validity of a SR and its conclusions. The critical domains suggested are items 2, 4, 7, 9, 11, 13, 15. The authors stress that this is advisory and that review appraisers should decide which items are most important for the SRs under consideration (Shea et al, 2017).
3. In the context of this risk assessment, item 2 (relating to protocol registration) and item 7 (relating to the list of excluded studies) were not considered as critical domains as registering the reviews and publishing the list of excluded studies are not standard practices in this area of work (the SRs identified for this risk assessment are mainly based on observational studies and tend to be more qualitative than quantitative).
4. The critical domains for this risk assessment were items 4, 9, 11, 13 and 15.
5. AMSTAR 2 is not intended to generate an overall score. However, the authors of AMSTAR 2 have proposed a scheme for interpreting weaknesses detected in critical and non-critical items or domains. The scheme is set out in Table A8.1.

**Table A8.1 Rating overall confidence in the results of the SR**

| <b>Rating</b>  | <b>Description</b>   |
|----------------|--|
| High           | No or one non-critical weakness: the systematic review provides an accurate and comprehensive summary of the results of the available studies that address the question of interest.   |
| Moderate       | More than one non-critical weakness: the systematic review has more than one weakness but no critical flaws. It may provide an accurate summary of the results of the available studies that were included in the review. Note that multiple non-critical weaknesses may diminish confidence in the review and it may be appropriate to move the overall appraisal down from moderate to low confidence. |
| Low            | One critical flaw with or without non-critical weaknesses: the review has a critical flaw and may not provide an accurate and comprehensive summary of the available studies that address the question of interest.  |
| Critically low | More than one critical flaw with or without non-critical weaknesses: the review has more than one critical flaw and should not be relied on to provide an accurate and comprehensive summary of the available studies.   |

## **AMSTAR 2 assessment of identified systematic reviews**

1. The AMSTAR 2 assessments of SRs identified for this risk assessment are presented by chapter in tabulated form.
2. The critical domains have been highlighted in yellow in the tables.
3. 'Not applicable' is used for items 11, 12 and 15 for SRs without MAs.

## Energy and Macronutrients

**Table A8.2 Systematic reviews on energy and macronutrients**

| Domains  | Hörnell et al (2013) | Naude et al (2018) | Parsons et al (1999) | Rouhani et al (2016) | Voortman et al (2015a) | Voortman et al (2015b) |
|--|----------------------|--------------------|----------------------|----------------------|------------------------|------------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                  | Yes                | Yes                  | Yes                  | Yes                    | Yes                    |
| 2. Protocol                                      | No                   | Yes                | No                   | No                   | No                     | No                     |
| 3. Study design                                  | Not applicable       | Not applicable     | Not applicable       | Not applicable       | Not applicable         | Not applicable         |
| 4. Search strategy                               | Partial yes          | Yes                | Partial yes          | Yes                  | Yes                    | Yes                    |
| 5. Study selection duplication                   | Yes                  | Yes                | No                   | No                   | Yes                    | Yes                    |
| 6. Data extraction duplication                   | Yes                  | Yes                | No                   | No                   | No                     | Yes                    |
| 7. Excluded studies                              | Yes                  | Yes                | No                   | No                   | No                     | No                     |
| 8. Evidence tables                               | Yes                  | Yes                | Partial yes          | Yes                  | Yes                    | Yes                    |
| 9. Risk of bias tool                             | Yes                  | Yes                | No                   | No                   | No                     | No                     |
| 10. Funding of included studies                  | No                   | Yes                | No                   | No                   | No                     | No                     |
| 11. Statistical analysis                         | Not applicable       | Not applicable     | Not applicable       | Yes                  | Not applicable         | Not applicable         |
| 12. Impact risk of bias assessed                 | Not applicable       | Not applicable     | Not applicable       | No                   | Not applicable         | Not applicable         |
| 13. Risk of bias discussed                       | Yes                  | Yes                | Yes                  | No                   | Yes                    | Yes                    |
| 14. Heterogeneity discussed                      | No                   | Yes                | Yes                  | Yes                  | Yes                    | Yes                    |
| 15. Publication bias                             | Not applicable       | Not applicable     | Not applicable       | Yes                  | Not applicable         | Not applicable         |
| 16. Declarations of interest                     | Yes                  | Yes                | No                   | No                   | Yes                    | Yes                    |
| Overall confidence rating                        | Moderate             | High               | Critically low       | Critically low       | Low                    | Low                    |

## Micronutrients

**Table A8.3 Systematic reviews on micronutrients**

| Domains  | Athe et al (2014) | Das et al (2013) | De-Regil et al (2011) | Domellöf et al (2013) | Eichler et al (2012) | Hojsak et al (2018) | Imdad et al (2017) | Matsuyama et al (2017) | Mayo-Wilson et al (2014) | Pasricha et al (2013) | Pratt (2015)   | Ramakrishnan et al (2009) | Thompson et al (2013) |
|--|-------------------|------------------|-----------------------|-----------------------|----------------------|---------------------|--------------------|------------------------|--------------------------|-----------------------|----------------|---------------------------|-----------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes               | Yes              | Yes                   | Yes                   | Yes                  | Yes                 | Yes                | Yes                    | Yes                      | Yes                   | Yes            | Yes                       | Yes                   |
| 2. Protocol                                      | No                | No               | Yes                   | No                    | Partial yes          | No                  | Yes                | No                     | Yes                      | Partial yes           | No             | No                        | Partial yes           |
| 3. Study design                                  | Not applicable    | Not applicable   | Not applicable        | Not applicable        | Not applicable       | Not applicable      | Not applicable     | Not applicable         | Not applicable           | Not applicable        | Not applicable | Not applicable            | Not applicable        |
| 4. Search strategy                               | Yes               | Yes              | Yes <sup>1</sup>      | Yes                   | Yes                  | Partial yes         | Yes                | Yes                    | Yes                      | Yes                   | Partial yes    | Yes                       | Yes                   |
| 5. Study selection duplication                   | Yes               | Yes              | Yes                   | Yes                   | Yes                  | No                  | Yes                | Yes                    | Yes                      | Yes                   | No             | No                        | Yes                   |
| 6. Data extraction duplication                   | Yes               | Yes              | Yes                   | Yes                   | Yes                  | No                  | Yes                | Yes                    | Yes                      | Yes                   | No             | No                        | Yes                   |
| 7. Excluded studies                              | No                | No               | Yes                   | No                    | No                   | No                  | Yes                | No                     | Yes                      | Yes                   | No             | No                        | Yes                   |
| 8. Evidence tables                               | Partial yes       | Partial yes      | Yes                   | Yes                   | Partial yes          | Partial yes         | Yes                | Yes                    | Yes                      | Yes                   | Yes            | Partial yes               | Yes                   |
| 9. Risk of bias tool                             | Partial yes       | Yes              | Yes                   | Yes                   | Yes                  | No                  | Yes                | Yes                    | Yes                      | Yes                   | Yes            | No                        | Yes                   |
| 10. Funding of included studies                  | No                | No               | No                    | No                    | No                   | Yes                 | No                 | Yes                    | No                       | No                    | No             | No                        | No                    |
| 11. Statistical analysis                         | Yes               | Yes              | Yes                   | Not applicable        | Yes                  | Not applicable      | Yes                | Yes                    | Yes                      | Yes                   | Not applicable | Yes                       | Yes                   |

| Domains                      | Athe et al (2014) | Das et al (2013) | De-Regil et al (2011) | Domellöf et al (2013) | Eichler et al (2012) | Hojsak et al (2018) | Imdad et al (2017) | Matsuyama et al (2017) | Mayo-Wilson et al (2014) | Pasricha et al (2013) | Pratt (2015)                | Ramakrishnan et al (2009) | Thompson et al (2013) |
|------------------------------|-------------------|------------------|-----------------------|-----------------------|----------------------|---------------------|--------------------|------------------------|--------------------------|-----------------------|-----------------------------|---------------------------|-----------------------|
| 12. Impact risk of bias      | No                | No               | Yes                   | Not applicable        | Yes                  | Not applicable      | Yes                | Yes                    | No                       | Yes                   | Not applicable              | No                        | No                    |
| 13. Risk of bias discussed   | No                | No               | Yes                   | Yes                   | Yes                  | No                  | Yes                | Yes                    | Yes                      | Yes                   | No <sup>2</sup>             | No                        | Yes                   |
| 14. Heterogeneity discussed  | Yes               | Yes              | Yes                   | No                    | Yes                  | No                  | Yes                | No                     | Yes                      | Yes                   | No                          | Yes                       | Yes                   |
| 15. Publication bias         | Yes               | No               | Yes                   | Not applicable        | No                   | Not applicable      | Yes                | Yes                    | Yes                      | Yes                   | Not applicable              | Yes                       | Yes <sup>3</sup>      |
| 16. Declarations of interest | Yes               | Yes              | Yes                   | Yes                   | Yes                  | Yes                 | Yes                | Yes                    | Yes                      | Yes                   | Yes                         | Yes                       | Yes                   |
| Overall confidence rating    | Low               | Critically low   | High                  | Low <sup>4</sup>      | Low                  | Critically low      | High               | Moderate               | Moderate                 | High                  | Critically low <sup>4</sup> | Critically low            | Moderate              |

<sup>1</sup> Reference lists of included studies were not searched but the authors did search many databases (11 in total, including trials registries), contact authors, known experts and contacted organisations such as the World Health Organization, US Centers for Disease Control and Prevention, and UNICEF to identify unpublished studies.

<sup>2</sup> According to the AMSTAR criteria it should be a 'yes' as they included only studies at low risk of bias. However, it is not clear at all how they apply the CASP checklist and they do not specify which studies were excluded based on study quality criteria. The review team agreed in giving a 'no' to this question to highlight the lack of clarity and transparency.

<sup>3</sup> Thompson et al (2013) conducted an extensive literature search of 6 databases and also searched the WHO regional databases. They commented that there was only a limited number of studies that were conducted mainly in lower middle income countries and that therefore their findings were only relevant to these countries.

<sup>4</sup> Downgraded due to the high number of non-critical weaknesses.

## Foods, dietary patterns and dietary components

**Table A8.4 Systematic reviews on foods**

| <b>Domains</b>                                   | <b>de Beer (2012)</b> | <b>Dougkas et al (2019)</b> | <b>Dror and Allen (2014)</b> | <b>Ledoux et al (2011)</b> |
|--|-----------------------|-----------------------------|------------------------------|----------------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                   | Yes                         | Yes                          | Yes                        |
| 2. Protocol                                      | No                    | No                          | No                           | No                         |
| 3. Study design                                  | Not applicable        | Not applicable              | Not applicable               | Not applicable             |
| 4. Search strategy                               | No                    | Yes                         | Yes                          | Yes                        |
| 5. Study selection duplication                   | No                    | No                          | No                           | No                         |
| 6. Data extraction duplication                   | No                    | No                          | No                           | No                         |
| 7. Excluded studies                              | No                    | No                          | No                           | No                         |
| 8. Evidence tables                               | Partial yes           | Partial yes                 | Partial yes                  | Partial yes                |
| 9. Risk of bias tool                             | Partial yes           | No                          | No                           | No                         |
| 10. Funding of included studies                  | No                    | Yes                         | No                           | No                         |
| 11. Statistical analysis                         | No                    | Not applicable              | Not applicable               | Not applicable             |
| 12. Impact risk of bias assessed                 | Yes                   | Not applicable              | Not applicable               | Not applicable             |
| 13. Risk of bias discussed                       | No                    | Yes                         | No                           | No                         |
| 14. Heterogeneity discussed                      | Yes                   | Yes                         | Yes                          | Yes                        |
| 15. Publication bias                             | Yes                   | Not applicable              | Not applicable               | Not applicable             |
| 16. Declarations of interest                     | No                    | Yes                         | Yes                          | Yes                        |
| Overall confidence rating                        | Critically low        | Low                         | Critically low               | Critically low             |



**Table A8.5 Systematic reviews on dietary patterns**

| <b>Domains</b>                                   | <b>Costa et al (2018)</b> | <b>Tandon et al (2016)</b> |
|--|---------------------------|----------------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                       | Yes                        |
| 2. Protocol                                      | No                        | Partial yes                |
| 3. Study design                                  | Not applicable            | Not applicable             |
| 4. Search strategy                               | Yes                       | Partial yes                |
| 5. Study selection duplicate                     | Yes                       | Yes                        |
| 6. Data extraction duplicate                     | No                        | No                         |
| 7. Excluded studies                              | No                        | No                         |
| 8. Evidence tables                               | Partial yes               | Partial yes                |
| 9. Risk of bias tool                             | Partial yes               | No                         |
| 10. Funding of included studies                  | No                        | No                         |
| 11. Statistical analysis                         | Not applicable            | Not applicable             |
| 12. Impact risk of bias assessed                 | Not applicable            | Not applicable             |
| 13. Risk of bias discussed                       | Yes                       | No                         |
| 14. Heterogeneity discussed                      | No                        | Yes                        |
| 15. Publication bias                             | Not applicable            | Not applicable             |
| 16. Declarations of interest                     | Yes                       | No                         |
| Overall confidence rating                        | Moderate                  | Critically low             |

**Table A8.6 Systematic reviews on dietary components**

| <b>Domains</b>                                   | <b>Karalexi et al (2018)</b> | <b>Onubi et al (2015)</b> | <b>WHO et al (2022)</b> |
|--|------------------------------|---------------------------|-------------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                          | Yes                       | Yes                     |
| 2. Protocol                                      | No                           | No                        | Partial yes             |
| 3. Study design                                  | Not applicable               | Not applicable            | Not applicable          |
| 4. Search strategy                               | No                           | Partial yes               | Yes                     |
| 5. Study selection duplicate                     | Yes                          | Yes                       | Yes                     |
| 6. Data extraction duplicate                     | Yes                          | Yes                       | No                      |
| 7. Excluded studies                              | No                           | No                        | Yes                     |
| 8. Evidence tables                               | Partial yes                  | Yes                       | Partial yes             |
| 9. Risk of bias tool                             | Partial yes                  | Yes                       | Yes                     |
| 10. Funding of included studies                  | No                           | No                        | Yes                     |
| 11. Statistical analysis                         | No                           | N/A                       | Yes                     |
| 12. Impact risk of bias assessed                 | Yes                          | N/A                       | No                      |
| 13. Risk of bias discussed                       | Yes                          | No                        | Yes                     |
| 14. Heterogeneity discussed                      | Yes                          | Yes                       | Yes                     |
| 15. Publication bias                             | Yes                          | Not applicable            | Yes                     |
| 16. Declarations of interest                     | Yes                          | Yes                       | No                      |
| Overall confidence rating                        | Critically low               | Low                       | Moderate                |

## Drinks

**Table A8.7 Systematic reviews on drinks**

| Domains  | Delgado and Matijasevich (2013) | Frantsve-Hawley et al (2017) | Luger et al (2017) | Perez-Morales et al (2013) | Te Morenga et al (2012) | Vanderhout et al (2020) |
|--|---------------------------------|------------------------------|--------------------|----------------------------|-------------------------|-------------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                             | Yes                          | Yes                | Yes                        | Yes                     | Yes                     |
| 2. Protocol                                      | No                              | Partial yes                  | No                 | No                         | No                      | Partial yes             |
| 3. Study design                                  | Not applicable                  | Not applicable               | Not applicable     | Not applicable             | Not applicable          | Not applicable          |
| 4. Search strategy                               | Partial yes                     | Yes                          | Partial yes        | Partial yes                | Yes                     | Yes                     |
| 5. Study selection duplicate                     | No                              | Yes                          | Yes                | Yes                        | Yes                     | Yes                     |
| 6. Data extraction duplicate                     | No                              | Yes                          | No                 | No                         | Yes                     | Yes                     |
| 7. Excluded studies                              | No                              | Partial yes                  | No                 | No                         | Yes                     | No                      |
| 8. Evidence tables                               | Partial yes                     | Yes                          | Yes                | Yes                        | Yes                     | Yes                     |
| 9. Risk of bias tool                             | No                              | Yes                          | Partial yes        | No                         | Partial yes             | Partial yes             |
| 10. Funding of included studies                  | No                              | Yes                          | Yes                | No                         | Yes                     | No                      |
| 11. Statistical analysis                         | No                              | Not applicable               | Not applicable     | Not applicable             | Yes                     | No                      |
| 12. Impact risk of bias assessed                 | No                              | Not applicable               | Not applicable     | Not applicable             | Yes                     | Yes                     |
| 13. Risk of bias discussed                       | No                              | Yes                          | Yes                | No                         | Yes                     | Yes                     |
| 14. Heterogeneity discussed                      | Yes                             | Yes                          | Yes                | No                         | Yes                     | Yes                     |
| 15. Publication bias                             | No                              | Not applicable               | Not applicable     | Not applicable             | Yes                     | Yes                     |
| 16. Declarations of interest                     | No                              | No                           | Yes                | No                         | Yes                     | Yes                     |
| Overall confidence rating                        | Critically low                  | Moderate                     | Low                | Critically low             | Moderate                | Low                     |

## Eating and feeding behaviours

**Table A8.8. Systematic reviews on eating and feeding behaviours**

| Domains  | Appleton et al (2018a) | Bergmeier et al (2015) | Blondin et al (2016) | Brown et al (2016) | Caleza et al (2016) | Hodder et al (2020) | Hurley et al (2011) | Kininmonth et al (2021) | Mikkelsen et al (2014) | Mura Paroc he et al (2017) | Nekitsing et al (2018) | Osei-Assibey et al (2012) | Russell et al (2016) | Ward et al (2015) |
|--|------------------------|------------------------|----------------------|--------------------|---------------------|---------------------|---------------------|-------------------------|------------------------|----------------------------|------------------------|---------------------------|----------------------|-------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                    | Yes                    | Yes                  | Yes                | Yes                 | Yes                 | Yes                 | Yes                     | Yes                    | Yes                        | Yes                    | Yes                       | Yes                  | Yes               |
| 2. Protocol                                      | Yes                    | No                     | No                   | Yes                | No                  | No                  | No                  | Yes                     | No                     | No                         | Partial yes            | No                        | Partial yes          | Partial yes       |
| 3. Study design                                  | Not applicable         | Not applicable         | Not applicable       | Not applicable     | Not applicable      | Not applicable      | Not applicable      | Not applicable          | Not applicable         | Not applicable             | Not applicable         | Not applicable            | Not applicable       | Not applicable    |
| 4. Search strategy                               | Yes                    | Yes                    | No                   | Partial yes        | No                  | Yes                 | Yes                 | Yes                     | Yes                    | Yes                        | Yes                    | Yes                       | Yes                  | Yes               |
| 5. Study selection duplication                   | Yes                    | Yes                    | No                   | Yes                | Yes                 | Yes                 | No                  | No                      | Yes                    | Yes                        | No                     | Yes                       | Yes                  | Yes               |
| 6. Data extraction duplication                   | Yes                    | No                     | No                   | Yes                | No                  | Yes                 | No                  | Yes                     | No                     | No                         | Yes                    | Yes                       | Yes                  | Yes               |
| 7. Excluded studies                              | No                     | Yes                    | No                   | No                 | No                  | Yes                 | No                  | No                      | No                     | No                         | No                     | No                        | No                   | No                |
| 8. Evidence tables                               | Yes                    | Partial yes            | Partial yes          | Partial yes        | Partial yes         | Yes                 | Partial yes         | Partial yes             | Partial yes            | Yes                        | Yes                    | Partial yes               | Partial yes          | Partial yes       |
| 9. Risk of bias tool                             | Partial yes            | No                     | No                   | Yes                | Partial yes         | Yes                 | Partial yes         | Partial yes             | Yes                    | No                         | Partial yes            | Yes                       | Partial yes          | Partial yes       |
| 10. Funding of included studies                  | No                     | No                     | No                   | No                 | No                  | Yes                 | No                  | No                      | No                     | No                         | No                     | No                        | No                   | No                |

| <b>Domains</b>                   | <b>Appleton et al (2018a)</b> | <b>Bergmeier et al (2015)</b> | <b>Blondin et al (2016)</b> | <b>Brown et al (2016)</b> | <b>Caleza et al (2016)</b> | <b>Hodder et al (2020)</b> | <b>Hurley et al (2011)</b> | <b>Kininmonth et al (2021)</b> | <b>Mikkelsen et al (2014)</b> | <b>Mura Paroche et al (2017)</b> | <b>Nekitsing et al (2018)</b> | <b>Osei-Assibey et al (2012)</b> | <b>Russell et al (2016)</b> | <b>Ward et al (2015)</b> |
|----------------------------------|-------------------------------|-------------------------------|-----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-----------------------------|--------------------------|
| 11. Statistical analysis         | Not applicable                | Not applicable                | Not applicable              | Not applicable            | Not applicable             | Yes                        | Not applicable             | Yes                            | Not applicable                | Not applicable                   | No                            | Not applicable                   | Not applicable              | Not applicable           |
| 12. Impact risk of bias assessed | Not applicable                | Not applicable                | Not applicable              | Not applicable            | Not applicable             | Yes                        | Not applicable             | No                             | Not applicable                | Yes                              | Yes                           | Not applicable                   | Not applicable              | Not applicable           |
| 13. Risk of bias discussed       | Yes                           | No                            | Yes                         | Yes                       | No                         | Yes                        | No                         | No                             | No                            | No                               | Yes                           | No                               | Yes                         | Yes                      |
| 14. Heterogeneity discussed      | Yes                           | No                            | Yes                         | Yes                       | Yes                        | Yes                        | No                         | No                             | Yes                           | No                               | Yes                           | Yes                              | Yes                         | Yes                      |
| 15. Publication bias             | Not applicable                | Not applicable                | Not applicable              | Not applicable            | Not applicable             | Yes                        | Not applicable             | No                             | Not applicable                | Not applicable                   | Not applicable                | Not applicable                   | Not applicable              | Not applicable           |
| 16. Declarations of interest     | Yes                           | Yes                           | No                          | Yes                       | Yes                        | Yes                        | No                         | Yes                            | Yes                           | Not applicable                   | Yes                           | Yes                              | Yes                         | Yes                      |
| Overall confidence rating        | Moderate                      | Critically low                | Critically low              | Moderate                  | Critically low             | High                       | Critically low             | Critically low                 | Low                           | Critically low                   | Low                           | Low                              | Moderate                    | Moderate                 |

## Excess weight and obesity

**Table A8.9 Systematic reviews on excess weight and obesity**

| Domains  | Brisbois et al (2012) | Llewellyn et al (2016) |
|--|-----------------------|------------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                   | Yes                    |
| 2. Protocol                                      | No                    | Partial yes            |
| 3. Study design                                  | Not applicable        | Not applicable         |
| 4. Search strategy                               | Yes                   | Yes                    |
| 5. Study selection duplication                   | Yes                   | Yes                    |
| 6. Data extraction duplication                   | Yes                   | Yes                    |
| 7. Excluded studies                              | No                    | No                     |
| 8. Evidence tables                               | Partial yes           | Partial yes            |
| 9. Risk of bias tool                             | No                    | Yes                    |
| 10. Funding of included studies                  | Yes                   | No                     |
| 11. Statistical analysis                         | Not applicable        | No                     |
| 12. Impact risk of bias assessed                 | Not applicable        | No                     |
| 13. Risk of bias discussed                       | No                    | No                     |
| 14. Heterogeneity discussed                      | No                    | Yes                    |
| 15. Publication bias                             | Not applicable        | No                     |
| 16. Declarations of interest                     | Yes                   | Yes                    |
| Overall confidence rating                        | Critically low        | Critically low         |

## Oral health

**Table A8.10 Systematic reviews on oral health**

| Domains  | Baghlaf et al (2018) | Cascaes et al (2022) | Hermont et al (2015) | Hooley et al (2012a) | Hooley et al (2012b) | Moores et al (2022) | Moynihan and Kelly (2014) | Moynihan (2019) | Tham et al (2015) | Thomaz et al (2018) |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------------|-----------------|-------------------|---------------------|
| 1. Population, Intervention, Comparator, Outcome | Yes                  | Yes                  | Yes                  | Yes                  | Yes                  | Yes                 | Yes                       | Yes             | Yes               | Yes                 |
| 2. Protocol                                      | Yes                  | Partial yes          | No                   | No                   | Partial yes          | Partial yes         | Yes                       | Partial yes     | No                | No                  |
| 3. Study design                                  | Not applicable       | Not applicable       | Not applicable       | Not applicable       | Not applicable       | Not applicable      | Not applicable            | Not applicable  | Not applicable    | Not applicable      |
| 4. Search strategy                               | Yes                  | Yes                  | Yes                  | Yes                  | No                   | Yes                 | Yes                       | Yes             | Yes               | Yes                 |
| 5. Study selection duplication                   | Yes                  | Yes                  | Yes                  | No                   | Yes                  | Yes                 | Yes                       | Yes             | Yes               | Yes                 |
| 6. Data extraction duplication                   | Yes                  | Yes                  | Yes                  | No                   | Yes                  | Yes                 | Yes                       | No              | No                | Yes                 |
| 7. Excluded studies                              | Yes                  | No                   | Yes                  | Yes                  | Yes                  | Yes                 | Yes                       | Yes             | No                | No                  |
| 8. Evidence tables                               | Yes                  | Partial yes          | Partial yes          | Yes                  | Yes                  | Yes                 | Yes                       | Yes             | Yes               | Partial yes         |
| 9. Risk of bias tool                             | Partial yes          | Partial yes          | Partial yes          | Partial yes          | Partial yes          | Yes                 | Partial yes               | Yes             | Yes               | Yes                 |
| 10. Funding of included studies                  | Yes                  | No                   | No                   | No                   | No                   | Yes                 | Yes                       | No              | No                | No                  |
| 11. Statistical analysis                         | Not applicable       | No                   | Not applicable       | Not applicable       | Not applicable       | Not applicable      | Not applicable            | Yes             | No                | Yes                 |

| <b>Domains</b>                   | <b>Baghlaf et al (2018)</b> | <b>Cascaes et al (2022)</b> | <b>Hermont et al (2015)</b> | <b>Hooley et al (2012a)</b> | <b>Hooley et al (2012b)</b> | <b>Moores et al (2022)</b> | <b>Moynihan and Kelly (2014)</b> | <b>Moynihan (2019)</b> | <b>Tham et al (2015)</b> | <b>Thomaz et al (2018)</b> |
|----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------------|------------------------|--------------------------|----------------------------|
| 12. Impact risk of bias assessed | Not applicable              | Yes                         | Not applicable              | Not applicable              | Not applicable              | Not applicable             | Not applicable                   | Yes                    | No                       | Yes                        |
| 13. Risk of bias discussed       | Yes                         | Yes                         | Yes                         | Yes                         | No                          | Yes                        | Yes                              | Yes                    | Yes                      | Yes                        |
| 14. Heterogeneity discussed      | Yes                         | Yes                         | Yes                         | Yes                         | No                          | Yes                        | Yes                              | No                     | Yes                      | Yes                        |
| 15. Publication bias             | Not applicable              | Yes                         | Not applicable              | Not applicable              | Not applicable              | Not applicable             | Not applicable                   | Yes                    | Yes                      | Yes                        |
| 16. Declarations of interest     | Yes                         | Yes                         | Yes                         | Yes                         | No                          | Yes                        | Yes                              | Yes                    | Yes                      | Yes                        |
| Overall confidence rating        | High                        | Low                         | Moderate                    | Low <sup>1</sup>            | Critically low              | High                       | High                             | Moderate               | Low                      | Moderate                   |

<sup>1</sup> Downgraded due to the high number of non-critical weaknesses