



# Dentistry – systematic reviews investigating methods for prevention, diagnosis, and treatment

SBU EVIDENCE MAP | MAPPING OF SYSTEMATIC REVIEWS

MARCH 2021 | WWW.SBU.SE/321E

## Summary

### Aim

The aim of this report is to assess all systematic reviews that have evaluated methods used for preventing, diagnosing, or treating various conditions in the field of dentistry. The systematic reviews are mapped to the following dental areas: Endodontology, Dental implantology, Cariology, Oral and maxillofacial surgery, Prosthodontics, Orofacial medicine, Orofacial Pain and Jaw Function/ Clinical oral physiology, Orthodontics, Periodontology and Pediatric dentistry.

### Method

#### Inclusion criteria

**Population:** No limitation

**Intervention/Index test:** Methods used for the purpose of preventing, diagnosing, or treating various conditions in the field of dentistry

**Control/Reference test:** No limitations

**Outcome:** Any that measures the effects of an intervention or the accuracy of an index test

**Study design:** Systematic reviews

**Language:** English

**Search period:** From 2000 to 2019. Final search February 2019.

**Databases searched:** Cochrane Database of Systematic Reviews, Embase and PubMed

The PICO/PIRO for this map, as well as the categories used to classify the content in the map, were outlined by the project group. A systematic literature search was thereafter designed and performed by an information specialist in order to identify all published systematic reviews potentially relevant for the PICO/PIRO. After the literature search was performed, two

reviewers independently screened the abstracts and full texts and selected the relevant systematic reviews. Risk of bias in the included systematic reviews were assessed independently by two reviewers using a modified version of the AMSTAR tool. Any disagreement regarding relevance or risk of bias was solved by a discussion.

Based on the research questions in the relevant the systematic reviews, they were mapped to

- one or several of the following clinical strategies; prevention, diagnosis or treatment, and
- one or several of the following dental areas: Endodontology, Dental implantology, Cariology, Oral and maxillofacial surgery, Prosthodontics, Orofacial medicine, Orofacial Pain and Jaw Function/ Clinical oral physiology, Orthodontics, Periodontology and Pediatric dentistry.

In addition to the map that covers the dental field as a whole, a map for each dental area, which included systematic reviews of low or moderate risk of bias, was also formed.

The report was reviewed by SBU's internal quality assurance group, SBU's scientific advisory board and external reviewers.

### Results

Altogether, 2918 relevant systematic reviews were identified, out of which approximately 1300 hold a low or moderate risk of bias. In the [interactive maps](#), relevant systematic reviews within a specific area can easily be identified and accessed through the connecting links.

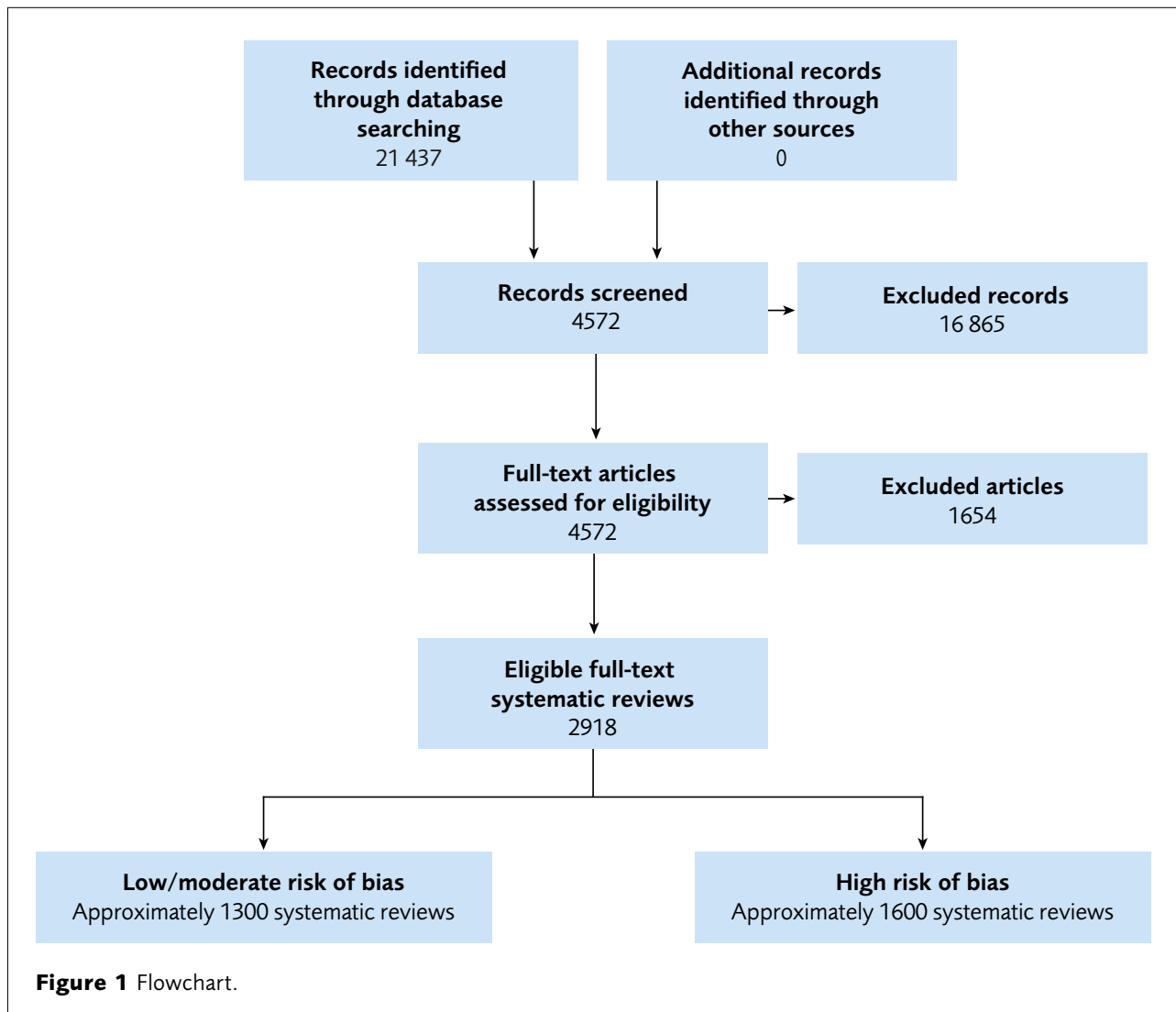
### Conflicts of Interest

In accordance with SBU's requirements, the experts and scientific reviewers participating in this project have submitted statements on their potential conflicts

of interest. These documents are available at SBU's secretariat. SBU has determined that the conditions described in the submissions are compatible with SBU's requirements for objectivity and impartiality.

**Appendix, [www.sbu.se/321e](http://www.sbu.se/321e)**

Search strategies



**Project group****Experts**

Aron Naimi-Akbar, docent, senior dentist in maxillo-facial surgery, Malmö University

Hans Sandberg, PhD, DDS, affiliated to Karolinska Institutet

Pia Skott, PhD, senior dentist in orofacial medicin, Folk tandvården Stockholm AB

Svante Twetman, professor emeritus, Det Sundhedsvidenskabelige Fakultet, University of Copenhagen

**SBU**

Helena Domeij (Project Manager)

Irene Edebert (Project Manager)

Maria Ahlberg (Project Administrator)

Ann Kristine Jonsson (Information Specialist)

Christel Hellberg (Coordinator)

Sofia Tranæus (Head of Department)

**Scientific reviewers**

Margareta Hultin, Lecturer, Senior dentist in periodontology, Karolinska Institutet

Lars Bondemark, Professor, Malmö University

---

SBU Evidence Map no 321, 2021

[www.sbu.se/en](http://www.sbu.se/en) • [registrator@sbu.se](mailto:registrator@sbu.se)

Graphic Design: Åsa Isaksson, SBU