# Logbook Literature Search: Probiotics to prevent dental caries

**Research Question:**

Can the use of probiotics prevent dental caries?

**PICO**

P = patients

I = probiotics

C = no probiotics

O = less dental caries

Inclusion criteria:

Adults

Children

Treatment

Het is een randomized controlled trial

Exclusion criteria:

Animal trials

**Building blocks**

|  |  |  |
| --- | --- | --- |
| Aspect 1: probiotics | Aspect 2: caries | Aspect 3: prevention |
| probiotics | CavatiesCariës “Dental cariës” | Preventprevention |

**Search blocks**

*#1 =probiotics*

"Probiotics"[Mesh] OR "Synbiotics"[Mesh] OR "Probiotic\*"[tiab] OR "Synbiotic\*"[tiab]

*#2 = dental cariës*

"Dental Caries"[Mesh] OR “dental decay\*”[tiab] OR cavit\*[tiab] OR “Carious Lesion\*”[tiab]

*#3 = prevention*

"Primary Prevention"[Mesh] OR prevent\*[tiab]

*#4 = #1 AND #2 AND #3*

**History and Search Details**

17-09-2024 17-09

| **Search** | **Query** | **Results** |
| --- | --- | --- |
| #5 | Search: **#2 AND #3 AND #4** | [248](https://pubmed.ncbi.nlm.nih.gov/?term=%231+AND+%232+AND+%233&ac=no&sort=relevance) |
| #4 | Search: **"Primary Prevention"[Mesh] OR prevent\*[tiab]** | [2,050,805](https://pubmed.ncbi.nlm.nih.gov/?term=%22Primary+Prevention%22%5BMesh%5D+OR+prevent%2A%5Btiab%5D&ac=no&sort=relevance) |
| #3 | Search: **"Dental Caries"[Mesh] OR "dental decay\*"[tiab] OR cavit\*[tiab] OR "Carious Lesion\*"[tiab]** | [291,153](https://pubmed.ncbi.nlm.nih.gov/?term=%22Dental+Caries%22%5BMesh%5D+OR+%E2%80%9Cdental+decay%2A%E2%80%9D%5Btiab%5D+OR+cavit%2A%5Btiab%5D+OR+%E2%80%9CCarious+Lesion%2A%E2%80%9D%5Btiab%5D&ac=no&sort=relevance) |
| #2 | Search: **"Probiotics"[Mesh] OR "Synbiotics"[Mesh] OR "Probiotic\*"[tiab] OR "Synbiotic\*"[tiab]** | [49,669](https://pubmed.ncbi.nlm.nih.gov/?term=%22Probiotics%22%5BMesh%5D+OR+%22Synbiotics%22%5BMesh%5D+OR+%22Probiotic%2A%22%5Btiab%5D+OR+%22Synbiotic%2A%22%5Btiab%5D&ac=no&sort=relevance) |
| #1 | **Probiotics caries prevention** | [338](https://pubmed.ncbi.nlm.nih.gov/?term=probiotics+caries+prevention&ac=no&sort=relevance&otool=inlvulib) |