

# Effects of Daily Zinc Alone or in Combination with Other Nutrient Supplements on the Risk of Malaria Parasitaemia: A Systematic Review and Meta-Analysis of Randomised Controlled Trials

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**Table S1. Search terms****General keywords**

zinc AND (malaria OR plasmodium OR “Plasmodium Infection“ OR “Remittent Fever“ OR “Marsh Fever“ OR Paludism) AND (“Clinical Trials“ OR “Randomized Trials” OR “Randomized Controlled Trials” OR “Controlled Clinical Trials”)

PubMed 6 May 2023

| No. | Key concept     | Search terms   | Results |
|-----|-----------------|--|---------|
| 1.  | Zinc            | zinc[tw] OR zinc [Mesh]  | 178,232 |
| 2.  | Malaria         | malaria[tw] OR plasmodium[tw] OR “Infections, Plasmodium“[Mesh] OR “Infection, Plasmodium“[Mesh] OR “Plasmodium Infection“[Mesh] OR “Remittent Fever“[Mesh] OR “Fever, Remittent“[Mesh] “Marsh Fever“[Mesh] OR “Fever, Marsh“[Mesh] OR Paludism[Mesh]  | 74,058  |
| 3.  | Clinical trials | “Clinical Trials“[tw] OR “Randomized Trials” [tw] OR “Randomized Controlled Trials” [tw] OR “Controlled Clinical Trials” [tw] OR “Clinical Trials“[Mesh] OR “Randomized Controlled Trials”[Mesh]   | 687,359 |
| 3.  | 1 AND 2 AND 3   | (zinc[tw] OR zinc [Mesh]) AND (malaria[tw] OR plasmodium[tw] OR “Infections, Plasmodium“[Mesh] OR “Infection, Plasmodium“[Mesh] OR “Plasmodium Infection“[Mesh] OR “Remittent Fever“[Mesh] OR “Fever, Remittent“[Mesh] “Marsh Fever“[Mesh] OR “Fever, Marsh“[Mesh] OR Paludism[Mesh]) AND (“Clinical Trials“[tw] OR “Randomized Trials” [tw] OR “Randomized Controlled Trials” [tw] OR “Controlled Clinical Trials” [tw] OR “Clinical Trials“[Mesh] OR “Randomized Controlled Trials”[Mesh]) | 17      |

Embase 6 May 2023

| No. | Key concept     | Search terms   | Results |
|-----|-----------------|--|---------|
| 1.  | Zinc            | zinc:ti,ab,kw,de OR zinc/exp   | 294,567 |
| 2.  | Malaria         | malaria:ti,ab,kw,de OR plasmodium:ti,ab,kw,de OR ‘Remittent Fever’:ti,ab,kw,de OR ‘Marsh Fever’:ti,ab,kw,de OR Paludism:ti,ab,kw,de OR malaria/exp | 155,458 |
| 3.  | Clinical trials | “Clinical Trials“:ti,ab,kw,de OR “Randomized Trials”:ti,ab,kw,de OR “Randomized Controlled Trials”:ti,ab,kw,de OR “Controlled Clinical             | 845,731 |

|     |               |   |    |
|-----|---------------|---|----|
|     |               | Trials”:ti,ab,kw,de OR “Clinical Trials“/exp OR “Randomized Controlled Trials”/exp  |    |
| 4.. | 1 AND 2 AND 3 | (zinc:ti,ab,kw,de OR zinc/exp) AND (malaria:ti,ab,kw,de OR plasmodium:ti,ab,kw,de OR ‘Remittent Fever’:ti,ab,kw,de OR ‘Marsh Fever’:ti,ab,kw,de OR Paludism:ti,ab,kw,de OR malaria/exp) AND (“Clinical Trials”:ti,ab,kw,de OR “Randomized Trials”:ti,ab,kw,de OR “Randomized Controlled Trials”:ti,ab,kw,de OR “Controlled Clinical Trials”:ti,ab,kw,de OR “Clinical Trials“/exp OR “Randomized Controlled Trials”/exp) | 54 |

Scopus 6 May 2023

| No. | Key concept     | Search terms  | Results   |
|-----|-----------------|---|-----------|
| 1.  | Zinc            | TITLE-ABS-KEY ( zinc )  | 678,133   |
| 2.  | Malaria         | TITLE-ABS-KEY ( malaria OR plasmodium OR "plasmodium infection" OR "remittent fever" OR "marsh fever" OR paludism )   | 156,232   |
| 3.  | Clinical trials | TITLE-ABS-KEY ( "Clinical Trials" OR "Randomized Trials" OR "Randomized Controlled Trials" OR "Controlled Clinical Trials" )  | 2,192,383 |
| 4.  | 1 AND 2 AND 3   | ( TITLE-ABS-KEY ( zinc ) ) AND ( TITLE-ABS-KEY ( malaria OR plasmodium OR "plasmodium infection" OR "remittent fever" OR "marsh fever" OR paludism ) ) AND TITLE-ABS-KEY ( "Clinical Trials" OR "Randomized Trials" OR "Randomized Controlled Trials" OR "Controlled Clinical Trials" ) | 169       |

MEDLINE 6 May 2023

| No. | Key concept                          | Search terms  | Results |
|-----|--------------------------------------|---|---------|
| 1.  | Zinc AND Malaria AND Clinical trials | zinc AND (malaria OR plasmodium OR “Plasmodium Infection“ OR “Remittent Fever“ OR “Marsh Fever“ OR Paludism) AND (“Clinical Trials“ OR “Randomized Trials” OR “Randomized Controlled Trials” OR “Controlled Clinical Trials”) | 28      |

Ovid 6 May 2023

| No. | Key concept                          | Search terms   | Results |
|-----|--------------------------------------|--|---------|
| 1.  | Zinc AND Malaria AND Clinical trials | zinc AND (malaria OR plasmodium OR “Plasmodium Infection“ OR “Remittent Fever“ OR “Marsh Fever“ OR Paludism) AND (“Clinical Trials“ OR “Randomized Trials” OR “Randomized Controlled Trials” OR “Controlled Clinical Trials”) {No Related Terms} | 110     |

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|  |  | limit to (ovid full text available and articles with abstracts and original articles) |  |
|--|--|---|--|

ProQuest 6 May 2023

| No. | Key concept                                | Search terms  | Results |
|-----|--|---|---------|
| 1.  | Zinc AND<br>Malaria AND<br>Clinical trials | zinc AND (malaria OR plasmodium OR<br>“Plasmodium Infection“ OR “Remittent Fever“ OR<br>“Marsh Fever“ OR Paludism) AND (“Clinical<br>Trials“ OR “Randomized Trials” OR “Randomized<br>Controlled Trials” OR “Controlled Clinical Trials”) | 961     |