

Search strategy

Titled: *“Effects of Prenatal Vitamin D Supplementation on Offspring Immune Development: A Systematic Review.”*

Detailed Search Strategy

Databases

Searches will be conducted in PubMed (MEDLINE), ScienceDirect, and EBSCOhost from database inception to the date of final search.

Publication year restricted from 2015-2025

Articles will be limited to English language.

Search Strings

PubMed

("Vitamin D supplementation"[Title/Abstract] OR cholecalciferol[Title/Abstract] OR calcitriol[Title/Abstract]) AND (pregnancy[Title/Abstract] OR prenatal[Title/Abstract] OR gestational[Title/Abstract] OR maternal[Title/Abstract]) AND ("immune development"[Title/Abstract] OR "immune function"[Title/Abstract] OR immunity[Title/Abstract]) AND (offspring[Title/Abstract] OR neonate[Title/Abstract] OR newborn[Title/Abstract] OR rats[Title/Abstract] OR rodent[Title/Abstract] OR "Rattus norvegicus"[Title/Abstract])

Filters: English, Journal Articles; Humans and Animals.

If insufficient results, the field restriction [Title/Abstract] will be removed to broaden coverage.

ScienceDirect

("Vitamin D supplementation" OR cholecalciferol OR calcitriol) AND (pregnancy OR prenatal OR gestational OR maternal) AND ("immune development" OR "immune function" OR immunity) AND (offspring OR neonate OR newborn OR rats OR rodent OR "Rattus norvegicus")

Filters: Research articles; English

Results will be sorted by relevance.

EBSCOhost (Academic Search Complete, MEDLINE)

TX ("Vitamin D supplementation" OR cholecalciferol OR calcitriol) AND TX (pregnancy OR prenatal OR gestational OR maternal) AND TX ("immune development" OR "immune function" OR immunity) AND TX (offspring OR neonate OR newborn OR rats OR rodent OR "Rattus norvegicus")

Filters: Scholarly (Peer Reviewed) Journals; English or Indonesian; Full Text.

Search Management

All search results will be imported into reference management software (e.g., EndNote, Zotero, or Mendeley).

Duplicates will be removed prior to screening.

A PRISMA flow diagram will document the number of records identified, screened, excluded, and included.