

# vitamin D with dental development

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Other
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON26635

### Source

NTR

### Health condition

25(OH)D concentrations in mid-pregnancy and at birth; timing of dental development in children

## Sponsors and support

**Primary sponsor:** Generation R Study, Erasmus MC

**Source(s) of monetary or material Support:** not applicable

## Intervention

## Outcome measures

### Primary outcome

timing of dental development in 10-year old children

### Secondary outcome

-

## Study description

### Background summary

Note: This study belongs to the Generation R study (NL6484 / NTR6671)

Summary:

Vitamin D affects the initiation of tooth formation and mineralization. Thus, in a population-based prospective cohort study among 3,770 mothers and their children in the Netherlands, we aim to investigate the associations of maternal and neonatal vitamin D with dental development of 10 year old children.

### Study objective

Maternal and neonatal vitamin D level play a role on dental development in childhood

### Study design

mid-pregnancy; birth; childhood

### Intervention

measuring 25(OH)D concentrations in mid-pregnancy and at birth

## Contacts

### Public

-

Brunilda Dhamo  
Rotterdam  
The Netherlands

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### Scientific

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Brunilda Dhamo  
Rotterdam  
The Netherlands

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## Eligibility criteria

## Inclusion criteria

participants from the Generation R Study with available data on 25(OH)D concentration and dental development

## Exclusion criteria

twin births, no available dental panoramic radiographs or bad images

## Study design

### Design

Study type: Observational non invasive

Intervention model: Other

**Control:** N/A , unknown

### Recruitment

NL

Recruitment status: Other

Start date (anticipated): 20-04-2018

Enrollment: 3770

Type: Unknown

## IPD sharing statement

**Plan to share IPD:** Undecided

## Ethics review

Positive opinion

Date: 20-04-2018

Application type: First submission

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

### Other (possibly less up-to-date) registrations in this register

No registrations found.

### In other registers

Register	ID
NTR-new	NL6697
NTR-old	NTR7169
Other	- : MEC-2012-165

## Study results