

# Preterm Immune System Development and Response to Immunization

NCT05266664

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**Status** RECRUITING  
**Sponsor** Maastricht University Medical Center  
**Enrollment** 145 participants

## Key Eligibility Criteria

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### Inclusion (8)

- To be eligible to participate in this study, a preterm infant must meet all following criteria:
- Preterm infant born at gestational age less than 32 weeks (whose mothers did or did not receive a Tdap vaccination during pregnancy)
- Parents/ guardians must have sufficient understanding of the Dutch language
- To be eligible to participate in this study, a healthy full-term infant must meet all following criteria:
- healthy full-term infant whose mother received a Tdap vaccination during pregnancy
- ... and 3 more (see full listing online)

### Exclusion (4)

- Parents/guardians of the infant are not able or willing to provide informed consent
- Infant with congenital anomaly which are more likely to cause adverse effects after immunization (for example hemodynamically significant congenital heart defect)
- Infant with a (possible) HIV infection or immunodeficiency
- Maternal use of immunosuppressive drugs during pregnancy

## Locations (7 total)

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Amphia Hospital, Breda, Netherlands  
reiner de Graaff Group, Delft, Netherlands  
Albert Schweitzer Hospital, Dordrecht, Netherlands  
... and 4 more locations