

# Centre for the Evaluation of Vaccination

# VACCINATION DURING PREGNANCY

## WHY VACCINATION DURING PREGNANCY?

- To protect the pregnant woman, fetus and/or newborn from (serious) infectious disease
- Maternal antibodies are transferred to
  - The fetus via the placenta
  - The newborn via breastmilk
- Recommended in Belgium: Tdap and seasonal influenza, COVID-19 and RSV



## OUR MATAB TEAM



## WHERE CAN YOU FIND US?



Vaccinopolis (CDE - Building Z)

## OUR RESEARCH TOPICS

### Current topics

- Optimal timing of Tdap vaccination during pregnancy
- Possible interactions when administering multiple vaccinations during pregnancy
- Vaccine confidence during pregnancy

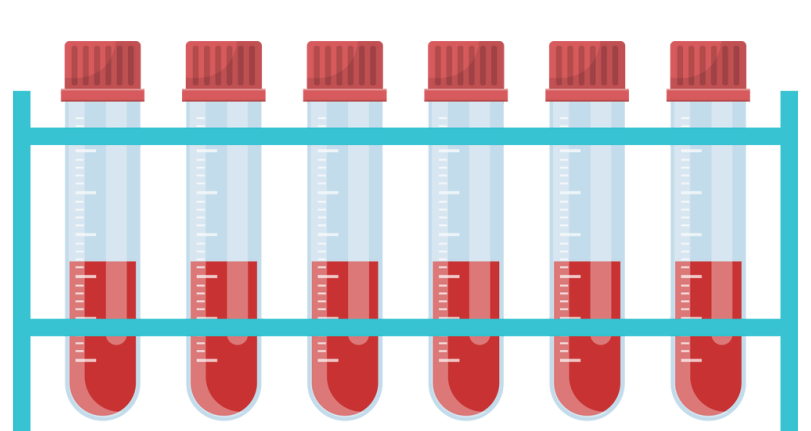


### Possible future topics

- Monkeypox (MPox)
- Group B Streptococcus (GBS)
- Respiratory syncytial virus (RSV)
- ...

## TYPES OF SAMPLES

- Blood
- Breastmilk
- ...



## LABORATORY TECHNIQUES

- Antibody titer determination via Enzyme Linked Immune Sorbent Assay (ELISA)
- Antibody subclass assessment
- Antibody functionality profile
- Celculture / PBMC isolation
- Measurement of cytokines
- ...

