

"Our mission: see her better, understand her better, care for her better  
– with data that reflects her reality".

[www.umcgresearch.org/w/femhealthdata](http://www.umcgresearch.org/w/femhealthdata)



## What we do

We aim to improve healthcare for all women across the life course by making sure female-specific conditions and life stages are fully represented in research and guidelines.

## Our data and research method

Using General Practice care data with different data sources as the foundation for understanding women's health across the life course.



General Practice routine care data



Maternity care data



Cohort studies



Online Survey



Other data

## FAIR

Findable, Accessible, Interoperable, Reusable



Conventional epidemiological models



Large Language Modelling and Natural Language Processing (NLP)



Machine Learning



Secured and anonymised/pseudonymised data

## How we work together

Collaboration is essential to build a robust data research infrastructure including the development of data driven innovations. We work with partners internationally, nationally and regionally to ensure that our results lead to better insights which ultimately results in optimised women's care in the future.



### Healthcare professional

Our GP's, midwives and clinical specialists all help us interpret data and apply insights in daily care.



### Researchers

Academic partners co-develop methods and expand the evidence base for women's health.



### Women & patient organisations

They actively bring lived experiences and ensure our research answers the questions that matter most.



### Policymakers

We translate insights into clear, usable performance indicators like benchmarks and comparison metrics to inform guideline and policy.

## Our research roadmap

### 2010 – 2025 Building the foundation

**2010–2015:** Starting point cohort data research

**2015–present:**  
Starting point for Dutch Maternity care data (Perined/VeCaS)→ Developing methodology to analyse electronic health record data and valorise results to healthcare professionals

**2016–present:**  
Australian New South Wales Linked Data → Starting point for large-scale data linkage.

**2021–2025:**  
Dutch GP Research Networks for COVID-19 related projects→ First major linkage of GP electronic health record data creating , large national datasets

### 2022 – Present Testing and first results

#### 2022–present:

Birth Experience Study (BEST) → Exploring women's childbirth experiences in the Netherlands as well as international

### Giving back our results and insights

We share our results with partners who can directly improve care and policy, while keeping a wider audience informed through publications [www.linkedin.com/showcase/femhealthdata](http://www.linkedin.com/showcase/femhealthdata).



### Future Future research directions

#### 2025–2026:

- Academic General Living Lab (AWP-NO)→ Further development of data driven innovations and broadening women's health research across the life course in general practice (e.g. menopause).
- Large linked data of GP routine care data and maternity care data (ELMO )→ long-term impact of birth interventions on health, work and healthcare costs.

#### 2026:

- Three-Generation Cohort Studies Lifelines and ToMMo (NL–Japan) → patterns of adverse maternal health across generations.
- Partnership WSU+UMCG → Effects of models of maternity care on maternal and neonatal outcomes.

#### 2028:

- PROACTIVE → follow-up after pregnancy complications for cardiovascular risk management in GP-care.

### Our partners:

