

# CASYMIR - Foetal Growth, Metabolic Syndrome and Insulin Resistance

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## General

### Identification

Detailed name Foetal Growth, Metabolic Syndrome and Insulin Resistance

Sign or acronym CASYMIR

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation

CNIL

### General Aspects

Medical area Endocrinology and metabolism

Health determinants Nutrition

Keywords Foetus, growth, anthropometry, metabolic status, hormonal status, nutritional status, birth

### Scientific investigator(s) (Contact)

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Unit U690

Organization INSERM

## Collaborations

### Funding

Funding status Mixed

Details PHRC National 2006 Pfizer international - Endocrine care

## Governance of the database

Sponsor(s) or organisation(s) responsible INSERM

Organisation status Public

## Additional contact

### Main features

## Type of database

Type of database Study databases

Study databases (details) Cohort study

Database recruitment is carried out by an intermediary A selection of health institutions and services

Database recruitment is carried out as part of an interventional study No

Additional information regarding sample selection. Prospective. Inclusion cut-off date: 01/12/2008. Number of required subjects: [100-500].

## Database objective

Main objective To investigate early growth phases (foetal growth, birth weight and postnatal growth) in relation to elements of metabolic syndrome and insulin resistance. Secondary objective: to investigate growth and body composition, metabolic and hormonal profiles from birth until 4 years of age with regard to birth weight and foetal growth velocity.

Inclusion criteria Pregnancy with risk factor of low birth weight.

## Population type

Age Newborns (birth to 28 days)

Infant (28 days to 2 years)  
Early childhood (2 to 5 years)

Population covered                      General population

Gender                                      Male  
    Woman

Geography area                          National

Detail of the geography area            Predominantly in 3 centres throughout Île-de-France

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)      09/2003

Date of last collection (YYYY or MM/YYYY)      12/2012

### Size of the database

Size of the database (number of individuals)      < 500 individuals

Details of the number of individuals              580 femmes/women 239 enfants/children

### Data

Database activity                          Current data collection

Type of data collected                      Clinical data  
    Paraclinical data  
    Biological data

Clinical data (detail)                          Direct physical measures  
    Medical registration

Paraclinical data (detail)                      Imaging

Biological data (detail)                      Metabolic profile and fasting hormone

Presence of a biobank                      Yes

Contents of biobank                          Serum  
    Others

Details of biobank content                      Serum bank, placenta

|                           |  |
|---------------------------|--|
| Health parameters studied | Health event/morbidity<br>Health event/mortality<br>Health care consumption and services |
| Care consumption (detail) | Hospitalization<br>Medical/paramedical consultation<br>Medicines consumption             |

## Procedures

|                                       |  |
|---------------------------------------|--|
| Data collection method                | Clinical examinations: handwritten<br>Biological analysis: direct input. |
| Participant monitoring                | Yes  |
| Details on monitoring of participants | Every 4 years  |
| Links to administrative sources       | No   |

## Promotion and access

### Promotion

|                      |   |
|----------------------|---|
| Link to the document | <a href="http://tinyurl.com/Pubmed-CASYMIR">http://tinyurl.com/Pubmed-CASYMIR</a> |
| Description          | List of publications in Pubmed  |

### Access

|   |  |
|---|--|
| Terms of data access (charter for data provision, format of data, availability delay) | To be decided if data may be used by academic teams. Data may not be used by industrial teams. |
| Access to aggregated data   | Access on specific project only  |
| Access to individual data   | Access on specific project only  |