

# EDEN - Study on the pre and early postnatal determinants of child health and development

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## General

### Identification

Detailed name Study on the pre and early postnatal determinants of child health and development

Sign or acronym EDEN

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CNIL n°902267 (2002), CPP 0270 (12/12/2002)

### General Aspects

Medical area Endocrinology and metabolism  
Study of allergies

Health determinants Addictions  
Climate  
Genetic  
Geography  
Nutrition  
Occupation  
Pollution  
Social and psychosocial factors

Keywords Health outcome, male reproductive system, metabolism, motor and cognitive development, growth, adiposity, infections, blood pressure, environment

### Scientific investigator(s) (Contact)

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Unit	U1018 CENTRE DE RECHERCHE EN ÉPIDÉMIOLOGIE ET SANTÉ DES POPULATIONS
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Organization	Inserm
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Unit	U1018 CENTRE DE RECHERCHE EN ÉPIDÉMIOLOGIE ET SANTÉ DES POPULATIONS
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Organization	Inserm
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### Collaborations

Participation in projects, networks and consortia	Yes
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### Funding

Funding status	Mixed
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Details	Fondation pour la recherche médicale, Inserm, Ministère de la recherche, Université Paris Sud, ANR, AFSSET, DGS, InVS, Nestlé, INPES, DGS, ALFEDIAM, Société SAVANTE, MGEN, IReSP, Commission européenne...
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### Governance of the database

Sponsor(s) or organisation(s) responsible	Institut National de la Santé et de la Recherche Médicale
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Organisation status	Public
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### Additional contact

### Main features

### Type of database

Type of database	Study databases
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Study databases (details)	Cohort study
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Database recruitment is carried out by an intermediary	A selection of health institutions and services
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Database recruitment is carried out as part of an interventional study

No

Additional information regarding sample selection.

Prospective follow-up until 8 years

## Database objective

Main objective

Examine relationships between on the one hand, exposition and pregnancy related health factors, in utero fetal development, newborn health and child health during first months of life, and on the other hand, later child health and development

Inclusion criteria

Adult women (?18years) presenting before 22 gestational age at first prenatal visit, able to speak and read french

## Population type

Age

Newborns (birth to 28 days)  
Adulthood (19 to 24 years)  
Adulthood (25 to 44 years)

Population covered

General population

Gender

Woman

Geography area

Local

French regions covered by the database

Alsace Champagne-Ardenne Lorraine  
Aquitaine Limousin Poitou-Charentes

Detail of the geography area

French multicentric cohort; 2 centres: Nancy and Poitiers

## Data collection

Dates

Date of first collection (YYYY or MM/YYYY)

01/2003

## Size of the database

Size of the database (number of individuals)

[1000-10 000[ individuals

Details of the number of individuals

2002 femmes/women, 1898 nouveaux/nouveaux-nés/newborns

## Data

Database activity                      Current data collection

Type of data collected                Clinical data  
Declarative data  
Paraclinical data  
Biological data

Clinical data (detail)                  Medical registration

Details of collected clinical data     Clinical examination during pregnancy and at birth for the mother and at birth, 1, 3 and 5 years for the offspring. Collected information concerning mother: medical records, post partum period, ultrasound data; and concerning the offspring: growth, adiposity, bone development, cognitive development, blood pressure, heart rate, dental examination, spirometry (5 years)

Declarative data (detail)              Face to face interview

Details of collected declarative data   Clinical examination during pregnancy and at birth for the mother and at birth, 1, 3 and 5 years for the offspring. Collected information concerning mother: medical records, post partum period, ultrasound data; and concerning the offspring: growth, adiposity, bone development, cognitive development, blood pressure, heart rate, dental examination, spirometry (5 years)

Paraclinical data (detail)              Ultrasound

Biological data (detail)                biological samples: maternal and paternal blood; placenta; maternal hair and urine; colostrum in breastfeeding mothers; cord blood; child meconium and hair at birth; child blood and urine at 5 years

Presence of a biobank                  Yes

Contents of biobank                    Serum  
Plasma  
Cord blood  
Fluids (saliva, urine, amniotic fluid, ?)  
DNA

Details of biobank content              urine, colostrum, hair, placenta pieces

Health parameters studied              Health event/morbidity  
Health event/mortality

## Procedures

Data collection method	auto-questionnaire: manual entering from paper questionnaire clinical examinations: direct entering biological data: manual entering
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Participant monitoring	Yes
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Links to administrative sources	No
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## Promotion and access

### Promotion

Link to the document	<a href="http://www.hal.inserm.fr/EDEN">http://www.hal.inserm.fr/EDEN</a>
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Description	List of publications in HAL
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Link to the document	<a href="http://tinyurl.com/Pubmed-EDEN">http://tinyurl.com/Pubmed-EDEN</a>
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Description	List of publications in Pubmed
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### Access

Dedicated website	<a href="https://eden.vjf.inserm.fr/">https://eden.vjf.inserm.fr/</a>
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Terms of data access (charter for data provision, format of data, availability delay)	Possible use of data by academic teams. Possible use of data by industry
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Access to aggregated data	Access on specific project only
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Access to individual data	Access on specific project only
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