

# ENNS - French National Nutritional and Health Study

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## General

### Identification

Detailed name French National Nutritional and Health Study

Sign or acronym ENNS

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CNIL no. 905481; Paris Cochin CPP no. 2264.

### General Aspects

Medical area Endocrinology and metabolism  
Pediatrics

Pathology (details) Toxic environmental exposure and risk factors, living conditions, food supply, food insecurity and physical activity/inactivity.

Health determinants Lifestyle and behavior  
Medicine  
Nutrition  
Social and psychosocial factors

Keywords blood glucose, triglycerides, nutrients, energy, PNNS (French National Nutrition and Health Program), food insecurity, nutrition, nutritional status, excess weight, obesity, hypertension, diabetes, cholesterol, dyslipidemia, lead, arsenic, heavy metals, pesticides, dietary behaviour, recommendations, social health inequalities, 24-hour recalls, diet, physical activity, bulk, blood pressure, monitoring

### Scientific investigator(s) (Contact)

Name of the director Salanave

Surname Benoit

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|              |   |
|--------------|---|
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| Unit         | Equipe de surveillance et d'épidémiologie nutritionnelle (ESEN) |
| Organization | Santé publique France   |

## Collaborations

Participation in projects, networks and consortia Yes

Details National Health Insurance examination centers and laboratories; municipal health clinics. Biological analysis laboratory in Dijon and Grenoble University Hospital Centres (UHC). Paris 13 University.

## Funding

Funding status Public

Details InVS

## Governance of the database

Sponsor(s) or organisation(s) responsible Agence nationale Santé publique France, ex Institut de veille sanitaire (InVS)

Organisation status Public

## Additional contact

## Main features

### Type of database

Type of database Study databases

Study databases (details) Not-repeated cross-sectional studies (except case control studies)

Database recruitment is carried out by an intermediary A population file

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

Additional information regarding sample selection. 3-stage sampling: 1/ municipalities or groups of municipalities (190) stratified by urban unit size and

8 major regions; 2/ households from phone lists (landlines, red lists, mobile phones and unbundled); 3/ 1 individual per household, adult or child, using the birthday method.

## Database objective

### Main objective

To describe food consumption, physical activity and nutrition of children and adults from a representative sample of the population living in France between 2006-2007.

### Inclusion criteria

#### Adults:

- Residing in metropolitan France during the study period (February 2006 to January 2007);
- Between 18 and 74 years old;
- Residing in an ordinary household with a landline or mobile phone;
- Living at least 5 days a week in the randomly selected household;
- Able to understand the primary implications of participating in the study by phone (hearing, understanding of French, no mental illness);
- Not suffering from a disease requiring enteral and parenteral artificial feeding;
- Agreed to participate in at least one part of the two-part study (food or clinical and biological assessment).

#### Children:

- Residing in metropolitan France during the study period (February 2006 to January 2007);
- Between 3 and 17 years old;
- Residing in an ordinary household with a landline or mobile phone;
- Living at least 5 days a week in a randomly selected household;
- Able to understand (child and child's guardian) the major implications of participating in the study by phone (hearing, understanding of French, no mental illness);
- Not suffering from a disease requiring enteral and parenteral artificial feeding;
- Agreed to participate in at least one part of the two-part study (food or clinical and biological assessment).

## Population type

### Age

Early childhood (2 to 5 years)  
Childhood (6 to 13 years)  
Adolescence (13 to 18 years)  
Adulthood (19 to 24 years)

Adulthood (25 to 44 years)  
Adulthood (45 to 64 years)  
Elderly (65 to 79 years)

Population covered                      General population

## Pathology

Gender                                      Male  
    Woman

Geography area                          National

Detail of the geography area           Metropolitan France excluding Corsica island

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)      02/2006

Date of last collection (YYYY or MM/YYYY)      07/2007

### Size of the database

Size of the database (number of individuals)      [1000-10 000[ individuals

Details of the number of individuals              3,115 adults (18-74 years old), 1,675 children (3-17 years old).

### Data

Database activity                          Data collection completed

Type of data collected                      Paraclinical data  
    Biological data

Paraclinical data (detail)                      Weight, height, waist and hip measurement, blood pressure.

Biological data (detail)                      Glucose, HbA1c, cholesterol, triglycerides, iron level, folates, vitamins, etc.

Presence of a biobank                      Yes

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

|   |   |
|---|---|
| Details of biobank content  | ---   |
| Health parameters studied   | Health event/morbidity<br>Others  |
| Other (detail)  | Biological nutritional status markers (body mass, vitamin and micronutrient status, blood pressure, dyslipidemia, etc.).  |
| <b>Procedures</b>   |   |
| Data collection method  | - Initial contact by telephone (household composition, random selection); - Face-to-face questionnaire at home and distribution of self-administered questionnaire; - Three recalls of 24 hours food consumption, by telephone - health examination at home (carried out by a nurse) or in an examination clinic. |
| Classifications used  | INSEE for marginal calibration data.  |
| Quality procedure(s) used   | Internal unit procedures.   |
| Participant monitoring  | No  |
| Followed pathology  |   |
| Links to administrative sources   | No  |
| <b>Promotion and access</b>   |   |
| <b>Promotion</b>  |   |
| Link to the document  | <a href="#">principales publications.docx</a>   |
| <b>Access</b>   |   |
| Terms of data access (charter for data provision, format of data, availability delay) | Calls for analyses project on InVS website + selection committee established for ENNS.  |
| Access to aggregated data   | Access on specific project only   |
| Access to individual data   | Access on specific project only   |