

# 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)	
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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 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