

# EPIMIL - Longitudinal study in a military environment: epidemiology of risk factors and metabolic syndrome

Head :Bauduceau Bernard, Endocrinology department

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## General

### Identification

Detailed name Longitudinal study in a military environment: epidemiology of risk factors and metabolic syndrome

Sign or acronym EPIMIL

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

CNIL

### General Aspects

Medical area Biology  
Hematology  
Immunology

Pathology (details) Metabolic syndrome

Health determinants Healthcare system and access to health care services  
Occupation

Keywords regular annual visits, military environment, risk factors

### Scientific investigator(s) (Contact)

Name of the director Bauduceau

Surname Bernard

Address 69 avenue de Paris, 94160 Saint-Mandé

Email [bernard.bauduceau@wanadoo.fr](mailto:bernard.bauduceau@wanadoo.fr)

Unit Endocrinology department

Organization Hôpital d'Instruction des Armées Bégin

## Collaborations

### Funding

Funding status Private

Details Laboratoires MSD-Chibret

### Governance of the database

Sponsor(s) or organisation(s) responsible Hôpital d'Instruction des Armées Bégin

Organisation status Public

Organisation status

### 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 selection of health care professionals

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

Additional information regarding sample selection. Three Île-de-France military formations make up the sample: republican guard, mobile gendarmerie and Île-de-France gendarmerie.

#### Database objective

Main objective Determine responsibility for different metabolic syndrome parameters and assess clinical consequences in a military population.

Inclusion criteria >- male  
- aged 20 to 58 years  
- military service member

#### Population type

Age Adulthood (19 to 24 years)

Adulthood (25 to 44 years)  
Adulthood (45 to 64 years)

Population covered                      General population

Pathology

Gender                                      Male

Geography area                          Regional

French regions covered by the  
database                                  Île-de-France

Detail of the geography area            Ile-de-France

## Data collection

### Dates

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

### Size of the database

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

Details of the number of  
individuals                                2045

### Data

Database activity                        Data collection completed

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

Clinical data (detail)                    Medical registration

Details of collected clinical data        Weight, height, waist and hip measurements, blood  
pressure measured by an automatic blood  
pressure monitor.

Declarative data (detail)                Face to face interview

Details of collected declarative  
data                                        including biographical data, toxic habits (estimation  
of active and cumulative smoking as well as alcohol  
consumption), sports activities and personal and  
family history.

|                            |   |
|----------------------------|---|
| Paraclinical data (detail) | ECG   |
| Biological data (detail)   | Blood and urine sampling  |
| Presence of a biobank      | Yes   |
| Contents of biobank        | Serum<br>DNA  |
| Details of biobank content | A serum bank and a DNA bank have been established for the practice of biological assays and genotyping. |
| Health parameters studied  | Health event/morbidity<br>Health event/mortality  |

## Procedures

|                                       |  |
|---------------------------------------|--|
| Data collection method                | All the clinical and biological data have been centralised and entered in the endocrinology department of Hôpital d'Instruction des Armées Bégin for statistical processing. |
| Classifications used                  | Statistical analysis used Stat View and Supernova  |
| Participant monitoring                | Yes  |
| Monitoring procedures                 | Monitoring by contact with the referring doctor  |
| Details on monitoring of participants | Follow-up for 10 years with regular annual visits  |
| Links to administrative sources       | No   |

## Promotion and access

### Promotion

|                      |   |
|----------------------|---|
| Link to the document | <a href="http://www.sciencedirect.com/science/article/pii/S0923253205000992">http://www.sciencedirect.com/science/article/pii/S0923253205000992</a>   |
| Description          | Insulinaemia and metabolic syndrome parameters in a French military population  |
| Link to the document | <a href="http://www.jle.com/fr/revues/met/e-docs/un_eclairage_original_du_syndrome_metabolique_en_france_letude_epimil_epidemiologie_des_facteurs_de_risque_et_du_syndrome_met_273047/article.html?tab=texte">http://www.jle.com/fr/revues/met/e-docs/un_eclairage_original_du_syndrome_metabolique_en_france_letude_epimil_epidemiologie_des_facteurs_de_risque_et_du_syndrome_met_273047/article.html?tab=texte</a> |
| Description          | An original perspective on metabolic syndrome in France. The EPIMIL study (epidemiology of risk   |

factors and metabolic syndrome in a military environment)

Link to the document

<http://www.sciencedirect.com/science/article/pii/S0923253205000700>

Description

Homocysteine and parameters of metabolic syndrome and cardiovascular risk in 2,045 military service members: EPIMIL study

## Access

Terms of data access (charter for data provision, format of data, availability delay)

Contact the person in charge

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only