

# D.E.S.IR. - Epidemiological data about insulin resistance syndrome

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## General

### Identification

Detailed name Epidemiological data about insulin resistance syndrome

Sign or acronym D.E.S.IR.

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation Date de réception de l'avis favorable de la CNIL : 27/05/1994

### General Aspects

Medical area Cardiology  
Endocrinology and metabolism

Health determinants Genetic  
Nutrition

Keywords insulin resistance syndrome, Incidence, diabetes, hypertension, dyslipidemia, cardiovascular diseases

### Scientific investigator(s) (Contact)

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Organization INSTITUT NATIONAL DE LA SANTE ET DE LA  
RECHERCHE MEDICALE -

## Collaborations

Participation in projects, networks and consortia Yes

Details Involvement in a cohort network: DETECT-2 study, to study diabetes diagnosis criteria

Others Other related cohorts: cameroun cohort, multiple cohorts

## Funding

Funding status Mixed

Details Contrat Inserm-Cnamts, Inserm - réseaux en santé publique, Inserm -interactions entre les déterminants de santé, les centres d'examens de santé Cornes, TGIR 2009-2010, Novartis pharma, sanofi aventis, Association Diabète Risque vasculaire, Fédération Française de Cardiologie, La Fondation de France, Alfediam, Anivins, Ardix médical, Bayer Diagnostics, Becton Dickinson, Cardionics, Lilly France, Merck Santé, Novo Nordisk, Pierre Fabre, Roche, Topcon

## Governance of the database

Sponsor(s) or organisation(s) responsible INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM

Organisation status Public

## Additional contact

## Main features

## Type of database

Type of database Study databases

Study databases (details) Longitudinal study (except cohorts)

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

Additional information regarding sample selection. Individuals inclusion mode: perspective. End of inclusions: 01/02/1996. Sample of patients consulting into Health Examination Centers

## Database objective

Main objective	Describe natural history of insulin resistance syndrome and its consequences. Evaluate diabetes risk factors.
Inclusion criteria	Men and women, aged between 30 and 65, consulting in the examination centers
<b>Population type</b>	
Age	Adulthood (25 to 44 years) Adulthood (45 to 64 years)
Population covered	Sick population
Gender	Male Woman
Geography area	Regional
French regions covered by the database	Centre-Val de Loire Pays de la Loire
Detail of the geography area	Loire valley area
<b>Data collection</b>	
<b>Dates</b>	
Date of first collection (YYYY or MM/YYYY)	06/1994
Date of last collection (YYYY or MM/YYYY)	2010
<b>Size of the database</b>	
Size of the database (number of individuals)	[1000-10 000[ individuals
Details of the number of individuals	5212
<b>Data</b>	
Database activity	Data collection completed
Type of data collected	Clinical data Declarative data Paraclinical data Biological data Administrative data

Clinical data (detail)	Medical registration
Details of collected clinical data	Clinical examination at inclusion and during the follow-up. Examination frequency : 3 years. Information collected during clinical examination: blood pressure, weight, waist size, height, ECG, ankle/brachial index
Declarative data (detail)	Face to face interview
Details of collected declarative data	Clinical examination at inclusion and during the follow-up. Examination frequency : 3 years. Information collected during clinical examination: blood pressure, weight, waist size, height, ECG, ankle/brachial index
Paraclinical data (detail)	Blood pressure, ankle/brachial index, ECG, IMC, waist size, hip circumference
Biological data (detail)	Glucidic (glycemia, HbA1c, insulin) and lipid profile, transaminases, creatinine, fibrogen
Administrative data (detail)	Age, gender, birthplace
Presence of a biobank	Yes
Contents of biobank	Serum Plasma Fluids (saliva, urine, amniotic fluid, ?) DNA
Details of biobank content	On an empty stomach: plasma, serum, DNA, urine
Health parameters studied	Health event/morbidity Health event/mortality

## Procedures

Data collection method	The main clinical data are collected at inclusion, then every 3 years during the follow-up (blood pressure, weight, waist circumference, size, electrocardiography (ECG), ankle-brachial pressure index). During the follow-up, the family doctor fills a questionnaire in case of a cardiovascular event. Declarative data are collected through a self-questionnaire (medicine, diet, tobacco addiction, lifestyle, diseases) at inclusion, then every year. A questionnaire has been proposed by interview (diseases, family history) at inclusion and every 3 years. Year of last data collection: 2004, examination for the participants, 2010 for death causes. Self-questionnaires: manual data entry Interviews: manual data entry Clinical examination:
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manual data entry Biological examination: direct data entry

Quality procedure(s) used

Coherence request during and after computer data entry. Missing data checked back to the original file and/or to a third. Subjects remainders for follow-up visits. Patients receive information about the use of their data.

Participant monitoring

Yes

Details on monitoring of participants

During 9 years

Links to administrative sources

Yes

Linked administrative sources (detail)

CépiDC, and RNIPP for the follow-up of vital status and medical death causes

## Promotion and access

### Promotion

Link to the document

<http://www.hal.inserm.fr/DESIR>

Description

List of publications in HAL

Link to the document

[http://www.ncbi.nlm.nih.gov/pubmed/?term=%28DESIR+OR+D.E.S.I.R%29+AND+%28insulin+OR+diabetes%29+NOT+desir\[author\]](http://www.ncbi.nlm.nih.gov/pubmed/?term=%28DESIR+OR+D.E.S.I.R%29+AND+%28insulin+OR+diabetes%29+NOT+desir[author])

Description

List of publications in Pubmed

### Access

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

Data utilization possible for academic teams and for industrials.

Project demand - access to data and biobank

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Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only