

# ECRHS - European Community Respiratory Health Survey

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Last update : 09/05/2017 | Version : 2 | ID : 60146

## General

### Identification

Detailed name European Community Respiratory Health Survey

Sign or acronym ECRHS

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

### General Aspects

Medical area Immunology  
Pneumology  
Study of allergies

Health determinants Climate  
Geography  
Pollution

Keywords lung function, allergy test, exhaled nitric oxide (NO), Health episodes, environment

### Scientific investigator(s) (Contact)

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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	Centres participants, Union Européenne (5ème et 6ème PCRD), PHRC national, DRC de Grenoble 2000, Ministère de la Santé, Ministère de l'Emploi et de la Solidarité, DGS, CHU Grenoble, comité des maladies respiratoires de l'Isère, CIC Bichat, Institut de pneumologie d'Aquitaine, Contrat de plan Etat-région Languedoc-Roussillon, CNAV, Comité national contre les maladies respiratoires et la tuberculose, réseau national de Santé Publique
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## Governance of the database

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

## Additional contact

## Main features

## Type of database

Type of database Study databases

Study databases (details) Cohort study

Database recruitment is carried out by an intermediary A selection of health institutions and services

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

Additional information regarding sample selection. Prospective Inclusion cut-off date: 01/12/2010. Details concerning this number: 651 and 522 subjects were examined respectively in both centres in Grenoble and Paris at enrolment in 1990/92. Respectively 433 and 423 (856 in total) of these subjects were assessed during a 9-year follow-up between 2000 and 2001. These subjects will be contacted again for follow-up in 2010. The expected participation rate is 60-70% (520-640 subjects). Subjects from the same age range will also be included in a new phase that will be carried out at the same time as the initial cohort follow-up. It is anticipated that a new sample of 250 men and 250 women will be examined per centre, with nearly 1,000 new subjects for both centres. As such, a total of about 1,500 subjects is expected. The Grenoble and Paris centres will merge their records for national analyses. However, the majority of analyses will be conducted with international data. A total sample (initial cohort + new sample) of at least 13,000 subjects between 40 to 64 years old will be available from a total of 24 centres. This includes almost 3,000 subjects with asthma, for cross-sectional analysis, and a sample of at least 8,800 subjects, with questionnaire data and lung function measurements over a 10-year period.

## Database objective

Main objective General objective: To investigate the changes in lung function as well as the onset and development of allergic and non-allergic asthma and chronic obstructive bronchopneumopathy (COBP) in adults as they age. Secondary objectives: - To study the onset and development of respiratory allergies and COBP in men and women from the general population, and to research associations with lifestyle and environmental factors, taking into account interactions between these factors and other personal and biological determinants. - To

research associations with sensitisation to allergens (atopy), respiratory allergies, accelerated lung function decline and the development of COBP. - To investigate the natural history of allergic and non-allergic asthma (incidence, remission, severity) according to age and gender. - To evaluate the effects of obesity and importance of weight loss and physical activity on asthma severity and decline in lung function, as well as investigate the role of sex hormones and hormones linked to obesity such as leptin.

#### Inclusion criteria

Men and women from the general population between 20 and 44 years old in 1990-92

#### Population type

##### Age

Adulthood (19 to 24 years)  
Adulthood (25 to 44 years)

##### Population covered

General population

##### Gender

Male  
Woman

##### Geography area

International

##### Detail of the geography area

International multicentric cohort (24 centres) involving: UK, SWEDEN, NORWAY, GERMANY, ITALY, SPAIN, FRANCE, BELGIUM, SWITZERLAND, ICELAND, DENMARK

#### Data collection

##### Dates

Date of first collection (YYYY or MM/YYYY)

01/1990

Date of last collection (YYYY or MM/YYYY)

2001

##### Size of the database

Size of the database (number of individuals)

[1000-10 000] individuals

Details of the number of individuals

1173

#### Data

Database activity

Data collection completed

Type of data collected	Clinical data Declarative data Biological data
Clinical data (detail)	Direct physical measures Medical registration
Declarative data (detail)	Paper self-questionnaire Face to face interview
Biological data (detail)	Type of samples taken: Blood, serum (urine - possibly at next follow-up)
Presence of a biobank	Yes
Contents of biobank	Serum DNA
Details of biobank content	Serum bank, DNA bank
Health parameters studied	Health event/morbidity Health event/mortality

## Procedures

Data collection method	Self-administered questionnaire: from a paper questionnaire (manual input) and double data entry Interview: from a paper questionnaire (manual input) and double data entry Clinical Examinations: handwritten (manual input) and double data entry Biological analysis: direct input
Participant monitoring	Yes
Details on monitoring of participants	(Indefinite duration)
Links to administrative sources	No

## Promotion and access

### Promotion

Link to the document	<a href="http://www.hal.inserm.fr/ECRHS">http://www.hal.inserm.fr/ECRHS</a>
Description	List of publications in HAL
Link to the document	<a href="http://www.ncbi.nlm.nih.gov/pubmed/?term=%22European+Community+Respiratory+Health+Survey%22">http://www.ncbi.nlm.nih.gov/pubmed/?term=%22European+Community+Respiratory+Health+Survey%22</a>

Description

List of publications in Pubmed

## Access

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

Data may be used by academic teams according to the steering committee's decision. To be decided if data may be used by industrial teams.

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only