

- Inflammatory pulmonary diseases in coal miners

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General

Identification

Detailed name	Inflammatory pulmonary diseases in coal miners
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL

General Aspects

Medical area	Biology Pneumology
Pathology (details)	Biology
Health determinants	Genetic
Keywords	Coal mine - dust - genetic polymorphisms - chest radiography

Scientific investigator(s) (Contact)

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Unit	Recherche en Épidémiologie et Biostatistique
Organization	Institut National de Santé et Recherche

Collaborations

Funding

Funding status	Public
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Details	- Programme environnement et santé- Instituts américains de la santé
Governance of the database	
Sponsor(s) or organisation(s) responsible	Institut National de Santé et 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 population file
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	The first three groups included :1) 80 miners with a moderate level of exposure to coal mine dust, normal chest radiography (00)2) 80 miners with a high level of exposure and a normal radiography3) 80 coal miners with a high level of exposure and an abnormal radiography (57 with a 01 radio and 23 with a 10 radio). These three groups of miners were matched for age and tobacco. The fourth group of 20 coal miners with a pneumoconiosis (11 radio or more) was included at the second survey.
Database objective	
Main objective	<p>The study of Lorraine Miners was set up in 1990 with 2 main objectives.</p> <ul style="list-style-type: none"> - To estimate the predictive value of chest tomodensitometry and of sensitive functional tests in the development of peumoconioses. - To test specific hypotheses about the physiology of emphysema and fibrosis using biological markers: proteases/antiproteases, oxidative/antioxidative and degradation/repair balances. <p>The study of genetics has subsequently been developed.</p>

Inclusion criteria	-Male- between 34 and 50 years old - working in a coal mine
Population type	
Age	Adulthood (25 to 44 years) Adulthood (45 to 64 years)
Population covered	General population
Gender	Male
Geography area	Local
French regions covered by the database	Alsace Champagne-Ardenne Lorraine
Detail of the geography area	Coal Basin of Lorraine
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	1990
Date of last collection (YYYY or MM/YYYY)	1999
Size of the database	
Size of the database (number of individuals)	< 500 individuals
Details of the number of individuals	260
Data	
Database activity	Data collection completed
Type of data collected	Clinical data Paraclinical data
Clinical data (detail)	Direct physical measures Medical registration
Paraclinical data (detail)	- chest radiography - tomography scan
Presence of a biobank	No
Health parameters studied	Health event/morbidity

Procedures	
Data collection method	Interpretation of the annual results of medical examination of subjects was done by two independant medical experts, at the inclusion year (1990), and follow-up (1994 and 1999).
Participant monitoring	Yes
Details on monitoring of participants	annual physical exams (chest radiography)
Links to administrative sources	No
Promotion and access	
Promotion	
Link to the document	http://tinyurl.com/Publications-HAL
Description	List of publications in HAL
Link to the document	http://tinyurl.com/Publications-Pubmed
Description	List of publications in Pubmed
Access	
Terms of data access (charter for data provision, format of data, availability delay)	The detailed protocool and all publications are available via http://cesp.vjf.inserm.fr/~lorraine/index.html
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only