

ELISABET - Epidemiological Study on the Relationship Between Respiratory Health and Air Pollution From Industrial Sources

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General

Identification

Detailed name	Epidemiological Study on the Relationship Between Respiratory Health and Air Pollution From Industrial Sources
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Sign or acronym	ELISABET
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CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	local ethical committee (CPP Nord Ouest IV) identifier: 2010-A00065-34)
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General Aspects

Medical area	Cardiology Pneumology
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Pathology (details)	obstructive ventilatory disorders, asthma, chronic obstruction
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Health determinants	Climate Geography Lifestyle and behavior Pollution
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Keywords	industrial air pollutant, functional tests lung
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Scientific investigator(s) (Contact)

Name of the director	Dauchet
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Surname	Luc
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Unit	Service d'Epidémiologie et de Santé Publique Hôpital Calmette - Centre Hospitalier et Universitaire de Lille
Organization	Institut Pasteur de Lille
Collaborations	
Participation in projects, networks and consortia	Yes
Details	NCD Risk Factor Collaboration (NCD-RisC).
Funding	
Funding status	Public
Details	funded by the Nord Pas-de-Calais Regional Council and the European Regional Development Fund (ERDF-FEDER Presage N°36034) as part of the CPER Institut de Recherche en ENvironnement Industriel (IRENI) program
Governance of the database	
Sponsor(s) or organisation(s) responsible	CHRU de Lille
Organisation status	Public
Presence of scientific or steering committees	Yes
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.	Participants were selected from electoral rolls of Dunkirk and Lille by random sampling.

Database objective	
Main objective	To compare the prevalence of the obstructive ventilatory disorders (OVD) in the Urban Community of Dunkirk touched by the industrial pollution in relation to the one recovered in the Urban Community of Lille less industrialized.
Inclusion criteria	- men and women - 40 years to 64 years - living in the Urban Community of Dunkirk or in the Urban Community of Lille
Population type	
Age	Adulthood (25 to 44 years) Adulthood (45 to 64 years)
Population covered	General population
Gender	Male Woman
Geography area	Local
French regions covered by the database	Nord - Pas-de-Calais Picardie
Detail of the geography area	Dunkirk and Lille
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	01/2011
Date of last collection (YYYY or MM/YYYY)	11/2013
Size of the database	
Size of the database (number of individuals)	[1000-10 000[individuals
Details of the number of individuals	3276
Data	
Database activity	Data collection completed

Type of data collected	Clinical data Declarative data Biological data
Clinical data (detail)	Medical registration
Details of collected clinical data	spirometry testing, functional tests lung, Blood pressure
Declarative data (detail)	Paper self-questionnaire Face to face interview
Biological data (detail)	lipids, glycemia, HBA1C, Blood metals, standard biological analysis
Presence of a biobank	Yes
Contents of biobank	Serum Plasma Fluids (saliva, urine, amniotic fluid, ?) DNA
Details of biobank content	A 2 ml aliquot of heparinized plasma stored at -20 ° C, five 0.5 ml aliquots of EDTA plasma stored at -80 ° C, two 1-ml aliquots of EDTA blood stored at -80 ° C, an aliquot of 10 ml and three aliquots of 5 ml of urine stored at -80 ° C, two locks of hair preserved in an envelope at room temperature, six 0.250 ml aliquots of condensate stored at -80 ° C, DNA extraction.
Health parameters studied	Health event/morbidity
Procedures	
Data collection method	Data was collected at home. In all cases, a trained, registered nurse administered a detailed questionnaire and performed spirometry testing.
Participant monitoring	No
Links to administrative sources	No
Promotion and access	
Promotion	
Link to the document	https://clinicaltrials.gov/ct2/show/NCT02490553
Description	Epidemiological Study on the Relationship Between Respiratory Health and Air Pollution From Industrial Sources (ELISABET)

Link to the document

<http://www.ncbi.nlm.nih.gov/pubmed/26564001>

Description

Prevalence and underdiagnosis of airway obstruction among middle-aged adults in northern France: The ELISABET study 2011-2013.

Access

Presence of document that lists variables and coding procedures

Yes

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

possibility to propose Ancillary study after validation by the steering comity.

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Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only