

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

Sign or acronym
ELISABET

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

General Aspects

Medical area
Cardiology
Pneumology

Pathology (details)
obstructive ventilatory disorders, asthma, chronic obstruction

Health determinants
Climate
Geography
Lifestyle and behavior
Pollution

Keywords
industrial air pollutant, functional tests lung

Scientific investigator(s) (Contact)

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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.

Contact the Principal investigator :
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Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only