

ESCALE - Case-Control Study on Childhood Cancers

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General

Identification

Detailed name Case-Control Study on Childhood Cancers

Sign or acronym ESCALE

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation n°CNIL 902162

General Aspects

Medical area Cancer research
Hematology
Immunology
Pediatrics

Health determinants Addictions
Genetic
Geography
Intoxication
Lifestyle and behavior
Pollution

Others (details) Leukaemia, lymphoma, brain tumours, neuroblastoma

Keywords Exposure, hydrocarbon, petrol, benzine, risk factors, pollution, child

Scientific investigator(s) (Contact)

Name of the director CLAVEL

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Unit UMR-S 1153 Equipe 7 / Épidémiologie des cancers de l'Enfant

Organization Institut National de la Santé et de la Recherche

Collaborations

Participation in projects, networks and consortia Yes

Funding

Funding status Mixed

Details - Institut National de la Santé et de la Recherche Médicale - Association pour la Recherche contre le Cancer - Fondation de France - Cent pour Sang la Vie - Institut Nationale du Cancer - Agence française de sécurité sanitaire des produits de santé - Agence Nationale de la Recherche - Agence française de sécurité sanitaire de l'environnement et du travail

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) Case control 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. The sample consists of subjects diagnosed with leukaemia in hospitals in Nancy, Lille, Lyon and Paris. Case-controls are selected from trauma and orthopaedic units in the same hospitals.

Database objective

Main objective

To investigate the influence of the following on childhood cancer risk: pregnancy outcome, child's characteristics at birth, child's environment in utero or during childhood, parents' profession and lifestyle, successive domicile communities, family history of cancer, birth defects, or autoimmune diseases. To identify genetic predispositions capable of modulating the function of these factors, including polymorphisms in genes involved in the transport and metabolism of xenobiotics, DNA repair, immune response, or in embryonic development and cell differentiation. To investigate the interactions between these polymorphisms and environmental factors.

Inclusion criteria - Men or women - under 15 years old

Population type

Age

- Newborns (birth to 28 days)
- Infant (28 days to 2 years)
- Early childhood (2 to 5 years)
- Childhood (6 to 13 years)
- Adolescence (13 to 18 years)

Population covered Sick population

Pathology II - Neoplasms

Gender

- Male
- Woman

Geography area National

Detail of the geography area France (Hospitals in Nancy, Lille, Lyon and Paris)

Data collection

Dates

Date of first collection (YYYY or MM/YYYY) 2003

Date of last collection (YYYY or MM/YYYY) 2004

Size of the database

Size of the database (number of individuals) [1000-10 000[individuals

Details of the number of 3147: - 1466 cas/cases - 1681 témoins/controls

individuals

Data

Database activity	Data collection completed
Type of data collected	Clinical data Declarative data Biological data
Clinical data (detail)	Medical registration
Declarative data (detail)	Phone interview
Biological data (detail)	- blood collection - saliva sample
Presence of a biobank	Yes
Contents of biobank	Whole blood DNA
Details of biobank content	- blood samples for case subjects - saliva samples for case-controls and case subjects' parents
Health parameters studied	Health event/morbidity Health event/mortality

Procedures

Participant monitoring	No
Followed pathology	
Links to administrative sources	No

Promotion and access

Promotion

Link to the document	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1763669/pdf/v061p00773.pdf
Link to the document	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2292812/#__ffn_sectitle
Link to the document	http://onlinelibrary.wiley.com/doi/10.1002/ijc.22624/full
Link to the document	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2137105/
Link to the document	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC27586

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Link to the document <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2746823/>

Link to the document <http://onlinelibrary.wiley.com/doi/10.1002/ijc.25862/full>

Link to the document <https://clic.berkeley.edu/>

Access

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

Access to aggregated data Access on specific project only

Access to individual data Access on specific project only