

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/
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Link to the document	http://onlinelibrary.wiley.com/doi/10.1002/ijc.25862/full
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Link to the document	https://clic.berkeley.edu/
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Access

Terms of data access (charter for data provision, format of data, availability delay)	To be defined
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Access to aggregated data	Access on specific project only
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Access to individual data	Access on specific project only
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