

- Cross-sectional study of the influence of exposure to glycol ethers on semen quality

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General

Identification

Detailed name Cross-sectional study of the influence of exposure to glycol ethers on semen quality

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

General Aspects

Medical area Disability/handicap
Endocrinology and metabolism
Occupational Medicine

Pathology (details) male infertility

Health determinants Genetic
Intoxication
Occupation
Pollution

Keywords glycol ethers, sperm, semen, Paris, occupational exposure, toxicology

Scientific investigator(s) (Contact)

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Unit Inserm U625

Organization	Institut National de la Santé et de la Recherche Médicale, Université Rennes
Collaborations	
Funding	
Funding status	Public
Details	Institut National de la Santé et de la Recherche Médicale - Ministry of the Environment
Governance of the database	
Sponsor(s) or organisation(s) responsible	Institut National de la Santé et de la Recherche Médicale
Organisation status	Public
Sponsor(s) or organisation(s) responsible	Université Rennes 1
Organisation status	Public
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.	The sample is made up of employees of the city of Paris. Men who do not have risk factors for infertility and who have not been exposed to agents that can alter semen quality other than glycol ethers were selected.
Database objective	
Main objective	To research the effect of past and current exposure to glycol ethers on semen quality.

Inclusion criteria	<ul style="list-style-type: none"> - homme - âgé entre 20 et 55 ans - employé de la ville de Paris - n'ayant pas de facteurs de risque d'infertilité
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Population type

Age	<ul style="list-style-type: none"> Adulthood (19 to 24 years) Adulthood (25 to 44 years) Adulthood (45 to 64 years)
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Population covered	General population
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Pathology

Gender	Male
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Geography area	Local
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French regions covered by the database	Île-de-France
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Detail of the geography area	Paris
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Data collection

Dates

Date of first collection (YYYY or MM/YYYY)	2000
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Date of last collection (YYYY or MM/YYYY)	2001
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Size of the database

Size of the database (number of individuals)	< 500 individuals
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Details of the number of individuals	109
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Data

Database activity	Data collection completed
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Type of data collected	<ul style="list-style-type: none"> Declarative data Biological data
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Declarative data (detail)	Paper self-questionnaire
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Details of collected declarative	Questioned regarding their career path over the
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data	course of 1999-2000 and regarding the products handled in the context of their professional or non-professional activities.
Biological data (detail)	Seminogram
Presence of a biobank	No
Health parameters studied	Others
Other (detail)	Sperm quality
Procedures	
Data collection method	Collection of data on the chemical composition of the products used by the city of Paris. An industrial health officer validated the correspondence between the activities described by the participants and the categories of products used.
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/PMC2078482/#__ffn_sectitle
Description	Glycol ethers and semen quality: a cross-sectional study among male workers in the Paris Municipality
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/?term=Glycol+ethers+AND+semen+AND+Paris+AND+Multigner+L+[Author]
Description	List of publications in Pubmed
Access	
Terms of data access (charter for data provision, format of data, availability delay)	Contact the scientist in charge
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only