

# - Cohort of Swimmers: Health Effects of Exposure to Water Disinfection By-Products

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Last update : 09/05/2017 | Version : 2 | ID : 6129

## General

### Identification

Detailed name Cohort of Swimmers: Health Effects of Exposure to Water Disinfection By-Products

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

### General Aspects

Medical area Pneumology  
Study of allergies

Health determinants Addictions  
Geography  
Intoxication  
Nutrition

Keywords training sessions, chlorine compounds, oxydative stress, trichloromethanes, biological markers, swimming

### Scientific investigator(s) (Contact)

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Unit Épidémiologie, santé, travail

Organization Institut National de la Santé et de la Recherche Médicale, Institut National de Recherche et de

## Collaborations

## Funding

Funding status Public

Details French Ministry of Spatial Planning and the Environment.

## Governance of the database

Sponsor(s) or organisation(s) responsible Institut National de la Santé et de la Recherche Médical

Organisation status Public

## Additional contact

## Main features

## Type of database

Type of database Study databases

Study databases (details) Longitudinal study (except cohorts)

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. Swimmers seen the week after pool water is drained and 24 weeks after.

## Database objective

Main objective To investigate the health effects on exposure to water disinfection by-products from swimming pool water on experienced swimmers.

Inclusion criteria

- Male;
- Between 15 and 28 years old;
- Having daily swimming training sessions.

## Population type

Age Adolescence (13 to 18 years)  
Adulthood (19 to 24 years)

Population covered General population

Gender	Male
Geography area	Local
French regions covered by the database	Alsace Champagne-Ardenne Lorraine
Detail of the geography area	Nancy (swimming club)
<b>Data collection</b>	
<b>Dates</b>	
Date of first collection (YYYY or MM/YYYY)	1999
Date of last collection (YYYY or MM/YYYY)	1999
<b>Size of the database</b>	
Size of the database (number of individuals)	< 500 individuals
Details of the number of individuals	-22-
<b>Data</b>	
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	-----
Declarative data (detail)	Paper self-questionnaire Face to face interview
Details of collected declarative data	Questionnaire describing the subject's medical history, dietary habits, tobacco and alcohol consumption, as well as sports played.
Biological data (detail)	Blood collection for measuring biological markers of response to oxidative stimuli (catalase, glutathione peroxidase and superoxide dismutase), and immune response.
Presence of a biobank	No

Health parameters studied	Health event/morbidity Health care consumption and services Quality of life/health perception Others
Care consumption (detail)	Hospitalization Medical/paramedical consultation Medicines consumption
Other (detail)	Otoscopy, oropharyngeal exam, systemic immune response, biological markers of response to oxidative stimuli.
<b>Procedures</b>	
Data collection method	Self-administered questionnaire, medical examinations, blood sample.
Participant monitoring	Yes
Details on monitoring of participants	Follow-up at 6 months.
Links to administrative sources	No
<b>Promotion and access</b>	
<b>Promotion</b>	
Link to the document	<a href="http://tinyurl.com/Hal-Cohorte-de-nageurs">http://tinyurl.com/Hal-Cohorte-de-nageurs</a>
Description	Liste des publications dans HAL
Link to the document	<a href="http://www.ncbi.nlm.nih.gov/pubmed/?term=Nadif+R[author]+AND+%28swimming+OR+swimmers%29">http://www.ncbi.nlm.nih.gov/pubmed/?term=Nadif+R[author]+AND+%28swimming+OR+swimmers%29</a>
Description	Liste des publications dans Pubmed
<b>Access</b>	
Terms of data access (charter for data provision, format of data, availability delay)	No data access.
Access to aggregated data	Access not yet planned
Access to individual data	No access