

ALMA+ - Aluminium in water conveyance and Alzheimers disease

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Last update : 09/05/2017 | Version : 2 | ID : 3594

General

Identification

Detailed name Aluminium in water conveyance and Alzheimers disease

Sign or acronym ALMA+

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation CNIL: 998055 (18/05/1998)

General Aspects

Medical area Neurology
Psychology and psychiatry

Health determinants Genetic
Social and psychosocial factors

Keywords water, silica, Aluminium, risk factors

Scientific investigator(s) (Contact)

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Unit Unité Inserm : U897

Organization INSERM - Institut National de la Santé et de la Recherche

Collaborations

Funding

Funding status Mixed

Details AFSSE (Agence Francaise de Sécurité Sanitaire Environnementale), Danone

Governance of the database

Sponsor(s) or organisation(s) responsible ISPED- Institut de santé publique d'épidémiologie et de développement

Organisation status Public

Additional contact

Main features

Type of database

Type of database Study databases

Study databases (details) Cohort study

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. Subjects randomly chosen from the electoral lists of the selected municipalities. The subjects have then been contacted to participate to the study.

Database objective

Main objective Study the relation between minerals in drinking water and especially aluminium, and the development of Alzheimers disease in 75 or more years old subjects. Verify if high concentrations of aluminium (more than 50mg/l of water) can improve the risk of dementia.

Inclusion criteria 75 or more years old subjects, exposed to high concentrations of aluminium in drinking water (Al>50mcg/l), residents in 14 towns of Dordogne, different than the ones included in the PAQUID cohort. 75 or more years old subjects participating to the PAQUID cohort, residents in one of the non-exposed towns (Al<50mcg/l) in Dordogne. Exclusion criteria: subjects recently arrived in town. Inclusion period: May 1999 - January 2001.

Population type

Age
Elderly (65 to 79 years)
Great age (80 years and more)

Population covered
General population

Gender
Male
Woman

Geography area
Departmental

French regions covered by the database
Aquitaine Limousin Poitou-Charentes

Detail of the geography area
14 municipalities in Dordogne

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)
05/1999

Date of last collection (YYYY or MM/YYYY)
12/2004

Size of the database

Size of the database (number of individuals)
< 500 individuals

Details of the number of individuals
400

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
Clinical examination at inclusion and during the follow-up. Information collected during the clinical examination: clinical check, complementary biological and radiological check up.

Declarative data (detail)
Face to face interview

Details of collected declarative data	Clinical examination at inclusion and during the follow-up. Information collected during the clinical examination: clinical check, complementary biological and radiological check up.
Biological data (detail)	Samples collected: cholesterol, triglycerides, glycemia, apolipoproteines, creatinine, circulating proteines involved in metal transportation
Presence of a biobank	Yes
Contents of biobank	Serum DNA
Details of biobank content	Serum bank, DNA bank
Health parameters studied	Health event/morbidity Health event/mortality
Procedures	
Quality procedure(s) used	Coherence request after computer data entry. Missing data asked back to the original file and/or to the patient.
Participant monitoring	Yes
Details on monitoring of participants	3-4 years
Links to administrative sources	Yes
Linked administrative sources (detail)	DDASS (Department Direction of Health and Social Affaires),, CepiDC (Epidemiologic center on medical causes of death), Gironde general council
Promotion and access	
Promotion	
Link to the document	http://tinyurl.com/HAL-ALMA
Description	Liste des publications dans HAL
Link to the document	http://tinyurl.com/Pubmed-ALMA
Description	Liste des publications dans Pubmed
Access	
Terms of data access (charter for data provision, format of	Data utilization possible for academic teams and for industrials.

data, availability delay)

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only