

# ALMA+ - Aluminium in water conveyance and Alzheimers disease

Head :Rondeau Virginie, Unité Inserm : U897

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)

Name of the director Rondeau

Surname Virginie

Address 146 rue Léo Saignat 33076 Bordeaux cedex

Phone +33 (0)5 57 57 45 31

Email virginie.rondeau@isped.u-bordeaux2.fr

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
<b>Procedures</b>	
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
<b>Promotion and access</b>	
<b>Promotion</b>	
Link to the document	<a href="http://tinyurl.com/HAL-ALMA">http://tinyurl.com/HAL-ALMA</a>
Description	Liste des publications dans HAL
Link to the document	<a href="http://tinyurl.com/Pubmed-ALMA">http://tinyurl.com/Pubmed-ALMA</a>
Description	Liste des publications dans Pubmed
<b>Access</b>	
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