

ALMA+ - Aluminium in water conveyance and Alzheimers disease

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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