

# EVA - Vascular Ageing, Decline in Brain and Cognitive Functions

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## General

### Identification

Detailed name	Vascular Ageing, Decline in Brain and Cognitive Functions
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Sign or acronym	EVA
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CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL n°252346
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### General Aspects

Medical area	Cardiology Neurology
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Health determinants	Social and psychosocial factors
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Keywords	decline, brain function, cognitive function, Health episodes
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### Scientific investigator(s) (Contact)

Name of the director	Berr
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Surname	Claudine
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Unit	U 888
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Organization	INSERM
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### Collaborations

### Funding

Funding status	Private
Details	MERCK, EISAI
Governance of the database	
Sponsor(s) or organisation(s) responsible	Institut National de la Santé et de la Recherche Médicale
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 selection of health institutions and services
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	Prospective Other bodies active in creating this cohort: INSERM, City of NANTES, Faculty of Medicine and Biochemical and Radiological services in Nantes. Inclusion cut-off date: 01/07/1993
Database objective	
Main objective	General objective: to investigate vascular ageing, decline in brain and cognitive function and associated factors with a longitudinal follow-up study. Secondary objective: to the determine to role of biological factors linked with oxidative stress and brain ageing.
Inclusion criteria	Subjects from both genders born between 1922 and 1932 (59 to 71 years old at enrolment), included in electoral registers in Nantes, can speak French and living in Nantes.
Population type	
Age	Adulthood (45 to 64 years) Elderly (65 to 79 years)

Population covered	General population
Gender	Male Woman
Geography area	Local
French regions covered by the database	Pays de la Loire
Detail of the geography area	Nantes
Data collection	
Dates	
Date of first collection (YYYY or MM/YYYY)	07/1991
Date of last collection (YYYY or MM/YYYY)	12/2001
Size of the database	
Size of the database (number of individuals)	[1000-10 000[ individuals
Details of the number of individuals	1389
Data	
Database activity	Data collection completed
Type of data collected	Clinical data Declarative data Paraclinical data Biological data
Clinical data (detail)	Direct physical measures Medical registration
Declarative data (detail)	Paper self-questionnaire Face to face interview
Paraclinical data (detail)	Imaging: carotid ultrasound, transcranial Doppler (at 0, 2 and 4 years), head MRI (4 years).
Biological data (detail)	Type of samples taken: biochemical routine assessment (enrolment, 2,4 and 9 years); dosage of different actors of oxidative stress (SE, beta-carotene, vitamin E, GSH-Px, SOD ...) (enrolment

and/or at 2 years + partial assessment at 9 years); cell haematological and coagulation assessment, as well as connective tissue markers (enrolment). Determination of fatty acids in red blood cells in 346 subjects (4 years).

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

Data collection method

Self-administered questionnaire: double data entry from a paper questionnaire Interview: double data entry from a paper questionnaire Clinical Examinations: manual input Biological analysis: direct input

Participant monitoring

Yes

Details on monitoring of participants

Follow-up duration: 9 years

Links to administrative sources

No

## Promotion and access

### Promotion

Link to the document

<http://www.hal.inserm.fr/EVA>

Description

Liste des publications dans HAL

Link to the document

[http://www.ncbi.nlm.nih.gov/pubmed/?term=EVA+AND+Berr+C\[Author\]+OR+17130689\[uid\]](http://www.ncbi.nlm.nih.gov/pubmed/?term=EVA+AND+Berr+C[Author]+OR+17130689[uid])

Description

Liste des publications dans Pubmed

### Access

Terms of data access (charter for data provision, format of data, availability delay)

Data may be used by academic teams Data may be used by industrial teams

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only