3C - 3 cités study

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General

Identification

Detailed name	3 cités study
Sign or acronym	3C
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	1286925

General Aspects

Medical area	Neurology Psychology and psychiatry Radiology and medical imaging
Health determinants	Genetic Lifestyle and behavior Medicine
Keywords	Ageing, brain imaging, bio bank, genetics

Scientific investigator(s) (Contact)

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

Collaborations

Participation in projects, networks and consortia	Yes

Funding

Funding status	Mixed
Details	Inserm, CNRS, universités, MGEN, CNAM-TS, ISPED, DGS, GIS Institut de longévité, FDF, Conseils régionaux d'Aquitaine et de Bourgogne, Ministère chargé de la recherche, Agence nationale de la recherche, Fondation Plan Alzheimer, SANOFI SYNTHELABO, Fondation pour la recherche médicale

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	Identification of eligible subjects through the

sample selection.	electoral lists, then contact by mail and phone. 40% of the contacted people has been included in the study. Prospective. Other organizations actives in the constitution of the cohort: General Council of Côte d'Or, Montpellier CHU

Database objective

Main objective	Study the impact of vascular factors on dementia risk in the over 65 population. Secondary themes: - Incidence and risk factors of cardiovascular diseases after 65 years old .Medicine consumption of the over 65: inappropriate medicines, respect, self-prescription - Walking ability and balance disorders: prevalence, risk factors and consequences - Incidence and risk factors of loss of autonomy; depression among the elderly population
Inclusion criteria	65 or more years old subjects, inscribed on the electoral lists, and having a phone

Population type

Age	Elderly (65 to 79 years) Great age (80 years and more)
Population covered	General population
Gender	Male Woman
Geography area	Local
French regions covered by the database	Aquitaine Limousin Poitou-Charentes Bourgogne Franche-Comté Languedoc-Roussillon Midi-Pyrénées
Detail of the geography area	Bordeaux (2104), Dijon (4931), Montpellier (2259)

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)	03/1999

Size of the database

Size of the database (number of individuals)	[1000-10 000[individuals

Details of the number of individuals	9294

Data

Database activity	Data collection completed
Type of data collected	Clinical data Declarative data Paraclinical data Biological data
Clinical data (detail)	Medical registration
Details of collected clinical data	Clinical examination at inclusion. Information collected during the clinical examination: cognitive tests, blood pressure, cardiac rhythm; clinical examination of people having a previous cerebrovascular event or a cognitive decline.
Declarative data (detail)	Paper self-questionnaire Face to face interview
Details of collected declarative data	Clinical examination at inclusion. Information collected during the clinical examination: cognitive tests, blood pressure, cardiac rhythm; clinical examination of people having a previous cerebrovascular event or a cognitive decline.
Paraclinical data (detail)	Imaging, anthropomorphic data
Biological data (detail)	glycemia, total cholesterol, HDL and LDL, triglycerides, creatinine
Presence of a biobank	Yes
Contents of biobank	Serum Plasma DNA
Details of biobank content	Participant volunteers blood (about 8000)
Health parameters studied	Health event/morbidity Health event/mortality Health care consumption and services
Care consumption (detail)	Medicines consumption

Procedures

Data collection method	Questionnaires by the investigators and the psychologists (at inclusion and at each follow-up) - Examination (inclusion an follow-up) - At inclusion

only: ECG and carotid ultrasound for people aged less than 85 years old - At inclusion and during the follow-up at 4 years: cerebral NMR imaging for people aged less than 80 years old (3500 subjects) - Blood samples at inclusion for all the cohort, and follow-up at 4 years for all the ancillary studies on a part of the cohort - Cross-analysis of the 3C file with the CNAMTS and PMSI databases: medicine consumption, other drugs consumption and hospitalization during all along the follow-up

Classifications used	External audit
Participant monitoring	Yes
Details on monitoring of participants	10 years
Links to administrative sources	Yes
Linked administrative sources (detail)	CNAMTS and PMSI data

Promotion and access

Promotion

Link to the document	http://www.hal.inserm.fr/3CITS
Description	List of publications in HAL
Link to the document	http://tinyurl.com/Pubmed-Cohorte-3C
Description	List of publications in Pubmed

Access

Terms of data access (charter for data provision, format of data, availability delay)	Data utilization possible for academic teams and for industrials.
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only