SU.VI.MAX 2 - Study of the relations between global food behaviors and/or specific nutritional factors and ageing on a large population of mature adults

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General

Identification

Detailed name	Study of the relations between global food behaviors and/or specific nutritional factors and ageing on a large population of mature adults
Sign or acronym	SU.VI.MAX 2
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL

General Aspects

Medical area	Endocrinology and metabolism General practice Geriatrics
Health determinants	Nutrition
Keywords	chronic diseases, Prevention, mortality

Scientific investigator(s) (Contact)

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Collaborations

Funding

Funding status	Mixed
Details	ANR, Inserm, Mederic, IPSEN, Pierre Fabre

Governance of the database

Sponsor(s) or organisation(s) responsible	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE - INSERM
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	An administrative base or a register
Database recruitment is carried out as part of an interventional study	No
Additional information regarding sample selection.	Prospective. Other organizations actives in the constitution of the cohort: public health school of Nancy

Database objective

Main objective	General objective: study the relations between global eating behaviors and/or some specific nutritional factors (provisions and status of anti-oxydants, folates, Omega 3 PUFA, energetic and protein provision, etc.) evaluated from data collected between 1994 and 1996 on a large population of mature adults, and: - The global quality of ageing among this population, evaluated 12 and 15 years later (2006 and 2009) through a global indicator, realized from different components determining successful aging (cognitive state, mood, nutritional status, bone status, balance disorders, sensory disorders, perceived health, integration, social, physical activity, pathologies existence). - Each specific different specific functional component related to the quality of aging: cognitive functions and depression, risk of sarcopenias or osteoporosis, insulin resistance, life quality, chronic diseases (cancers, cataract, macular degeneration). Secondary objective: evaluate the role of oxidative stress, inflammatory status, insulin resistance, some genetic factors implied in the relation between nutritional behaviors, and/or some more specific nutritional factors, and aging quality
Inclusion criteria	Voluntary subjects, having participated to the SUI.VI.MAX cohort, and aged between 55 and 70.

Population type

Age	Adulthood (25 to 44 years) Adulthood (45 to 64 years) Elderly (65 to 79 years)

Population covered	General population
Gender	Male Woman
Geography area	National
Detail of the geography area	France

Dates

Date of first collection (YYYY or MM/YYYY)	2007
Date of last collection (YYYY or MM/YYYY)	2009

Size of the database

Size of the database (number of individuals)	[1000-10 000[individuals
Details of the number of individuals	7000

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 and during the follow-up. Frequancy of the examination: 2006-2009. Information collected through the clinical examination: nutritional condition, cognitive functions, mood, complete clinical condition, visual and auditive functions, locomotor condition, postural balance, risk of osteoporosis-related fracture, neuropsychological check, life quality.
Declarative data (detail)	Paper self-questionnaire
Details of collected declarative data	Clinical examination at inclusion and during the follow-up. Frequancy of the examination: 2006-2009. Information collected through the clinical examination: nutritional condition, cognitive

	functions, mood, complete clinical condition, visual and auditive functions, locomotor condition, postural balance, risk of osteoporosis-related fracture, neuropsychological check, life quality.
Paraclinical data (detail)	Anthropometry
Biological data (detail)	Samples: blood, urine
Presence of a biobank	Yes
Contents of biobank	Serum Plasma Blood cells isolated DNA
Details of biobank content	Serum bank, DNA bank, pasma bank, cell lines
Health parameters studied	Health event/morbidity Health event/mortality

Procedures

Data collection method	- Self-questionnaire of alimentary registration (inclusion): food consumption data collected through an ad hoc self-questionnaire of half-quantitative alimentary frequency. - Other self-questionnaires (inclusion): data concerning life condition and habits, regular medication, vitamin, supplement and mineral use, hormone replacement treatments, medical, personal and family history will be collected through ad hoc questionnaires. - Life quality self-questionnaire (inclusion): particular questionnaire, adapted to aging people, concerning physical activity, budget aspects, nutrition and food preference evolution. - Clinical data collected from the subject (at inclusion and every 6 months during the follow-up): nutritional condition, cognitive functions, mood, complete clinical condition, visual and auditive functions, locomotor condition, postural balance, risk of osteoporosis-related fracture, neuropsychological check,, life quality, anthropometric measures. Self-questionnaire: manual entry. Interviews: paper questionnaire with double data entry. Clinical examination: manual with double data entry. Biological examination: manual with double data entry.
Quality procedure(s) used	Coherence request during and after computer data entry. Missing data checked back to the original file or asked back to the patient or a third. Doctors and subjects remainders for follow-up visits. Internal quality audit reports every year. Patients receive

	information about the use of their data.
Participant monitoring	Yes
Details on monitoring of participants	Follow-up duration: 3 years
Links to administrative sources	No

Promotion and access

Promotion

Link to the document	http://www.hal.inserm.fr/SUVIMAX
Description	List of publications in HAL
Link to the document	http://www.ncbi.nlm.nih.gov/pubmed/?term=SUVIMAX+OR+SU.VI.MAX+OR+Suppl%C3%A9mentation+en+Vitamines+et+Min%C3%A9raux+Antioxydants+NOT+animals
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