ELFE - French longitudinal study from childhood

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General

Identification

Detailed name	French longitudinal study from childhood
Sign or acronym	ELFE
CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL n°910504 - CNIS n°2011X716AU - CPP n°IDF IX-11-024 (13/05/2011)

General Aspects

Medical area	Biology Dermatology, venereology Disability/handicap Endocrinology and metabolism Gynecology/ obstetrics Infectious diseases Ophthalmology Otolaryngology or ENT Pediatrics Pneumology Psychology and psychiatry Study of allergies Traumatology
Study in connection with Covid-19	Yes
Health determinants	Geography Healthcare system and access to health care services Lifestyle and behavior Nutrition Occupation Pollution Social and psychosocial factors
Keywords	family, pregnancy, growth, development, pollution, environment, nutrition, living environment, schooling, socialisation, children

Scientific investigator(s) (Contact)

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Unit	?Elfe? INED-INSERM joint unit
Organization	University of Picardie

Collaborations

Participation in projects, networks and consortia	Yes
Details	European Lifecycle project

Funding

Funding status	Public
Details	Ministry for Higher Education and Research, the Ministry for Labour, Employment and Health, and the Ministry for Ecology Sustainable Development, Transport and Housing, + RE-CO-NAI is the recipient of an ANR "Investing in the Future" grant

Governance of the database

Sponsor(s) or organisation(s) responsible	French National Institute for Demographic Studies (INED)

Organisation status	Public
Sponsor(s) or organisation(s) responsible	French National Institute for Health and Medical Research (INSERM)
Organisation status	Public
Presence of scientific or steering committees	Yes

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.	random sample of maternity units

Database objective

Main objective	- Track changes in the child's living conditions (family, social environment, etc.) and measure their impact on his or her physical and mental development. - Study the interactions between these living conditions and the child's school career - Measure the impact of events during pregnancy and the child's health at birth on the latter's subsequent development - Observe eating habits and their effects on growth (overweight, obesity) - Assess the child's exposure to chemical, physical or environmental pollutants - Measure the incidence and prevalence of childhood pathologies at different stages in growth - Study associations between pathologies and exposure to environmental pollutants Elfe is one of the two cohorts making up the RECO-NAI research platform, the other being Epipage 2. The general aim of this platform is to set up an

	infrastructure to support the collection, highly secure storage and distribution of data on pregnancy, birth and children. The platform will use the information yielded by the child cohorts, both followed from birth, to address key issues in the areas of children's health, development and socialization from an overarching, multidisciplinary perspective. It will also ensure that the cohorts are given a high profile in the world of academic research (French and international), as well as among bodies, organizations and manufacturers with an interest in children. This will ensure optimum use of the data collected and promote their dissemination.
Inclusion criteria	- Children born after 33 weeks of pregnancy - single or twin pregnancy - in mainland France - mother aged 18 years and over

Population type

Age	Newborns (birth to 28 days) Infant (28 days to 2 years) Early childhood (2 to 5 years) Childhood (6 to 13 years) Adolescence (13 to 18 years)
Population covered	General population
Pathology	
Gender	Male Woman
Geography area	National
Detail of the geography area	Mainland France

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)	2011

Size of the database

Size of the database (number of individuals)	[10 000-20 000[individuals
Details of the number of individuals	18300

Data	
Database activity	Current data collection
Type of data collected	Clinical data Declarative data Paraclinical data Biological data Administrative data
Clinical data (detail)	Direct physical measures Medical registration
Details of collected clinical data	> Data available in the medical records at the time of birth: neonatal characteristics (weight, height, gestational age, congenital anomalies, circumstances of birth, infections, etc.) > Medical examinations: vaccination, hearing, eyesight, weight/height, asthma, allergies, genital organs and neuropsychomotor tests at different ages
Declarative data (detail)	Paper self-questionnaire Internet self-questionnaire Face to face interview Phone interview
Details of collected declarative data	Exposure: medication, pollution, occupational, tobacco use, alcohol, diet, chemical and physical agents, social status. > Results: congenital anomalies, infections, growth/obesity, neurological development, asthma/allergies, pubescent development, sleep, mental health > Use of healthcare resources
Paraclinical data (detail)	pregnancy monitoring tests, medical imaging
Biological data (detail)	At birth, urine, venous blood and maternal hair post-partum: Breast milk, meconium, stools (at D3); urine, hair, infant stools at 3.5 years
Administrative data (detail)	pairing with SNIIR-AM data
Presence of a biobank	Yes
Contents of biobank	Whole blood Serum Plasma Cord blood Fluids (saliva, urine, amniotic fluid, ?) Tissues DNA DNAc/RNAm

	Others
Details of biobank content	plasma, serum, whole blood, red blood cells, buffy coat, urine, hair, milk, stools and meconium, RNA (sub-sample)
Health parameters studied	Health event/morbidity Health care consumption and services Quality of life/health perception
Care consumption (detail)	Hospitalization Medical/paramedical consultation Medicines consumption

Procedures

Data collection method	- Self-administered questionnaire on diet and exposure during pregnancy completed by the mother in the maternity unit.- notes from obstetrics record- Face-to-face meeting, at home- Telephone surveys- Self-administered questionnaires on infant diet between
Classifications used	ICD-10
Participant monitoring	Yes
Monitoring procedures	Monitoring by contact with the participant (mail, e-mail, telephone etc.) Monitoring by crossing with a medical-administrative database
Details on monitoring of participants	annual follow-up for up to 3 years, then every 2-3 years
Links to administrative sources	Yes
Linked administrative sources (detail)	SNIIR-AM database

Promotion and access

Promotion

Link to the document	http://tinyurl.com/HAL-ELFE
Description	List of publications in HAL
Link to the document	http://tinyurl.com/Pubmed-ELFE
Description	List of publications in Pubmed

Link to the document	Elfe.pdf
Access	
Dedicated website	https://www.elfe-france.fr/
Presence of document that lists variables and coding procedures	Yes
Terms of data access (charter for data provision, format of data, availability delay)	Data access platform: access via the website: www.elfe-france.fr/acces-donnees or direct access: https://pandora.vjf.inserm.fr/public/ The proposals should be submitted to an ELFE data access committee which will determine the relevance of the project and the suitability of the data requested.
Access to aggregated data	Access on specific project only
Access to individual data	Access on specific project only