

# ELFE - French longitudinal study from childhood

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## Général

### Identification

Nom détaillé	French longitudinal study from childhood
Sigle ou acronyme	ELFE
Numéro d'enregistrement (ID-RCB ou EUDRACT, CNIL, CPP, etc.)	CNIL n°910504 - CNIS n°2011X716AU - CPP n°IDF IX-11-024 (13/05/2011)

### Thématiques générales

Domaine médical	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
Etude en lien avec la Covid-19	Yes
Déterminants de santé	Geography Healthcare system and access to health care services Lifestyle and behavior Nutrition Occupation Pollution Social and psychosocial factors
Mots-clés	family, pregnancy, growth, development, pollution, environment, nutrition, living environment, schooling, socialisation, children

### Responsable(s) scientifique(s)

Nom du responsable	Charles
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Organisme	University of Picardie

## Collaborations

Participation à des projets, des réseaux, des consortiums	Yes
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Précisions	European Lifecycle project
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## Financements

Financements	Public
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Précisions	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
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## Gouvernance de la base de données

Organisation(s) responsable(s) ou promoteur	French National Institute for Demographic Studies (INED)
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Statut de l'organisation	Secteur Public
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Organisation(s) responsable(s) ou promoteur	French National Institute for Health and Medical Research (INSERM)
Statut de l'organisation	Secteur Public

Existence de comités scientifique ou de pilotage Yes

Contact(s) supplémentaire(s)

## Caractéristiques

### Type de base de données

Type de base de données Study databases

Base de données issues d'enquêtes, précisions Cohort study

Origine du recrutement des participants A selection of health institutions and services

Le recrutement dans la base de données s'effectue dans le cadre d'une étude interventionnelle No

Informations complémentaires concernant la constitution de l'échantillon random sample of maternity units

### Objectif de la base de données

Objectif principal

- 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.

Critères d'inclusion	<ul style="list-style-type: none"> <li>- Children born after 33 weeks of pregnancy</li> <li>- single or twin pregnancy</li> <li>- in mainland France</li> <li>- mother aged 18 years and over</li> </ul>
<b>Type de population</b>	
Age	<ul style="list-style-type: none"> <li>Newborns (birth to 28 days)</li> <li>Infant (28 days to 2 years)</li> <li>Early childhood (2 to 5 years)</li> <li>Childhood (6 to 13 years)</li> <li>Adolescence (13 to 18 years)</li> </ul>
Population concernée	General population
Pathologie	
Sexe	<ul style="list-style-type: none"> <li>Male</li> <li>Woman</li> </ul>
Champ géographique	National
Détail du champ géographique	Mainland France
<b>Collecte</b>	
<b>Dates</b>	
Année du premier recueil	2011
<b>Taille de la base de données</b>	
Taille de la base de données (en nombre d'individus)	[10 000-20 000[ individuals
Détail du nombre d'individus	18300
<b>Données</b>	

Activité de la base	Current data collection
Type de données recueillies	Clinical data Declarative data Paraclinical data Biological data Administrative data
Données cliniques, précisions	Direct physical measures Medical registration
Détail des données cliniques recueillies	> 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
Données déclaratives, précisions	Paper self-questionnaire Internet self-questionnaire Face to face interview Phone interview
Détail des données déclaratives recueillies	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
Données paracliniques, précisions	pregnancy monitoring tests, medical imaging
Données biologiques, précisions	At birth, urine, venous blood and maternal hair post-partum: Breast milk, meconium, stools (at D3); urine, hair, infant stools at 3.5 years
Données administratives, précisions	pairing with SNIIR-AM data
Existence d'une bibliothèque	Yes
Contenu de la bibliothèque	Whole blood Serum Plasma Cord blood Fluids (saliva, urine, amniotic fluid, ?) Tissues DNA DNAC/RNAm

## Others

Détail des éléments conservés	plasma, serum, whole blood, red blood cells, buffy coat, urine, hair, milk, stools and meconium, RNA (sub-sample)
Paramètres de santé étudiés	Health event/morbidity Health care consumption and services Quality of life/health perception
Consommation de soins, précisions	Hospitalization Medical/paramedical consultation Medicines consumption
<b>Modalités</b>	
Mode de recueil des données	- 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
Nomenclatures employées	ICD-10
Suivi des participants	Yes
Modalités de suivi des participants	Monitoring by contact with the participant (mail, e-mail, telephone etc.) Monitoring by crossing with a medical-administrative database
Détail du suivi	annual follow-up for up to 3 years, then every 2-3 years
Appariement avec des sources administratives	Yes
Sources administratives appariées, précisions	SNIIR-AM database
<b>Valorisation et accès</b>	
<b>Valorisation et accès</b>	
Lien vers le document	<a href="http://tinyurl.com/HAL-ELFE">http://tinyurl.com/HAL-ELFE</a>
Description	List of publications in HAL
Lien vers le document	<a href="http://tinyurl.com/Pubmed-ELFE">http://tinyurl.com/Pubmed-ELFE</a>
Description	List of publications in Pubmed

Lien vers le document

[Elfe.pdf](#)

## Accès

Site internet dédié

<https://www.elfe-france.fr/>

Existence d'un document qui répertorie les variables et les modalités de codage

Yes

Charte d'accès aux données (convention de mise à disposition, format de données et délais de mise à disposition)

Data access platform: access via the website: [www.elfe-france.fr/acces-donnees](http://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.

Accès aux données agrégées

Access on specific project only

Accès aux données individuelles

Access on specific project only