ELFE - French longitudinal study from childhood

Responsable(s) :Charles Marie-Aline, “Elfe” INED-Inserm joint unit
Geay Bertrand, ?Elfe? INED-INSERM joint unit

Date de modification : 07/05/2021 | Version : 4 | ID : 3406

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

Prénom	Marie-Aline
Adresse	9, cours des Humanités 93322 Aubervilliers Cedex
Téléphone	+33 (0)1 56 06 43 22
Email	marie-aline.charles@inserm.fr
Laboratoire	“Elfe” INED-Inserm joint unit
Organisme	Inserm
Nom du responsable	Geay
Prénom	Bertrand
Adresse	9, cours des Humanités 93322 Aubervilliers Cedex
Email	bertrand.geay@u-picardie.fr
Laboratoire	?Elfe? INED-INSERM joint unit
Organisme	University of Picardie

Collaborations

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

Financements

Financements	Public
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

Gouvernance de la base de données

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

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	- Children born after 33 weeks of pregnancy - single or twin pregnancy - in mainland France - mother aged 18 years and over

Type de population

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 concernée	General population
Pathologie	
Sexe	Male Woman
Champ géographique	National
Détail du champ géographique	Mainland France

Collecte

Dates

Année du premier recueil	2011

Taille de la base de données

Taille de la base de données (en nombre d'individus)	[10 000-20 000[individuals
Détail du nombre d'individus	18300

Données

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 biothèque	Yes
Contenu de la biothèque	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

Modalités

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

Valorisation et accès

Valorisation et accès

Lien vers le document	http://tinyurl.com/HAL-ELFE
Description	List of publications in HAL
Lien vers le document	http://tinyurl.com/Pubmed-ELFE
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 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