

Saturn-Inf 2008-2009 Survey (Enquête Saturn-Inf 2008-2009) - National Survey on Lead Poisoning Prevalence and Infectious Disease Seroprevalence in Children Between 6 Months and 6 Years Old (Lead Poisoning Component and Biobank)

Head :Invs-DSE

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| General | |
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| Identification | |
| Detailed name | National Survey on Lead Poisoning Prevalence and Infectious Disease Seroprevalence in Children Between 6 Months and 6 Years Old (Lead Poisoning Component and Biobank) |
| Sign or acronym | Saturn-Inf 2008-2009 Survey (Enquête Saturn-Inf 2008-2009) |
| CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation | CNIL authorisation no. 907160, CCP approval on 10/07/2008 (no. 08-022), AFSSAPS approval no. RCB 2008-A00436-49. |
| General Aspects | |
| Medical area | Biology Pediatrics |
| Pathology (details) | Housing |
| Health determinants | Intoxication Lifestyle and behavior Social and psychosocial factors |
| Keywords | blood lead level, exposure, lead poisoning, prevalence, children |
| Scientific investigator(s) (Contact) | |
| Name of the director | Invs-DSE |
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| Organization | Institut de veille sanitaire |

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| Collaborations | |
| Funding | |
| Funding status | Public |
| Details | InVS |
| Governance of the database | |
| Sponsor(s) or organisation(s) responsible | Institut de Veille Sanitaire |
| Organisation status | Public |
| Additional contact | |
| Main features | |
| Type of database | |
| Type of database | Study databases |
| Study databases (details) | Not-repeated cross-sectional studies (except case control studies) |
| 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. | 2-stage survey: - First stage: random selection of hospitals (hospitals with at least 300 hospitalisations per year for children aged between 6 months and 6 years), double stratification by geographical region (22 metropolitan regions + Martinique + Guadeloupe + Réunion) on the lead exposure risk at home - second stage: complete recruitment of all children hospitalised in the paediatric or paediatric surgery departments and who meet the inclusion criteria. |
| Database objective | |
| Main objective | <ul style="list-style-type: none"> - To estimate the national prevalence of lead poisoning in children between 6 months and 6 years old; - To determine the blood lead level distribution of children between 6 months and 6 years old by administrative region; - To update knowledge of factors that determine |

blood lead level;
- To validate indicators that characterise at-risk areas.

Inclusion criteria

- Children between 6 months and 6 years old;
- Covered by social security health insurance;
- Inpatient or outpatient hospital stay during study period;
- Where a blood sample was prescribed as part of treatment or where a sampling system (catheter) is already in place;
- Residing in France at the time of enrolment.

Population type

Age

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

Gender

Male
Woman

Geography area

National

Detail of the geography area

France

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)

2008

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

3,800

Data

Database activity

Data collection completed

Type of data collected

Declarative data

| | |
|---|---|
| | Biological data Administrative data |
| Declarative data (detail) | Face to face interview |
| Biological data (detail) | Blood lead level |
| Administrative data (detail) | Individual data (child sociodemographic characteristics) + aggregate data (hospital department activity during survey). |
| Presence of a biobank | Yes |
| Contents of biobank | Serum |
| Details of biobank content | Serum sample (≥ 1.5 ml) in cryotube for 1,243 children. Biobank open to the outside for calls for project proposals. |
| Health parameters studied | Health event/morbidity Health event/mortality |
| Procedures | |
| Data collection method | Face-to-face questionnaire with parents recorded by hospital staff. Two blood samples collected for blood lead level assay and Biobank. Collection managed by service provider. |
| Classifications used | Dictionary of variables. |
| Quality procedure(s) used | Checks for duplicated, missing, outlier and inconsistent data. |
| Participant monitoring | No |
| Links to administrative sources | No |
| Promotion and access | |
| Promotion | |
| Link to the document | http://opac.invs.sante.fr/doc_num.php?explnum_id |
| Link to the document | http://opac.invs.sante.fr/doc_num.php?explnum_id |
| Link to the document | http://opac.invs.sante.fr/doc_num.php?explnum_id |
| Access | |
| Terms of data access (charter for data provision, format of | Access to results (protocol and report): http://opac.invs.sante.fr |

data, availability delay)

<http://www.invs.sante.fr/Dossiers-thematiques/Environnement-et-sante/Saturnisme-chez-l-enfant/Donnees-d-impregnation-de-la-population-francaise-par-le-plomb>
<http://www.invs.sante.fr/Dossiers-thematiques/Environnement-et-sante/Saturnisme-chez-l-enfant/Publications>

Access to data:

individual anonymised data.

Application procedures: request to Bénédicte Bérat.

Data access procedure generated and held by InVS.