

# MINEURS D'URANIUM - Cohort Study of Uranium Miners in France

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| General  |  |
|--|--|
| Identification   |  |
| Detailed name  | Cohort Study of Uranium Miners in France                             |
| Sign or acronym  | MINEURS D'URANIUM  |
| CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation | CNIL dr-2010-404 (23/12/2010)  |
| General Aspects  |  |
| Medical area   | Cancer research<br>Cardiology<br>Pneumology                          |
| Health determinants  | Addictions<br>Occupation   |
| Keywords   | Death, lung, cancer, radon, tobacco, alpha-risk, health, environment |
| Scientific investigator(s)<br>(Contact)  |  |
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## Collaborations

|  |     |
|--|-----|
| Participation in projects,<br>networks and consortia | Yes |
|--|-----|

## Funding

|                |       |
|----------------|-------|
| Funding status | Mixed |
|----------------|-------|

|         |                                     |
|---------|-------------------------------------|
| Details | IRSN , Communauté Européenne, AREVA |
|---------|-------------------------------------|

## Governance of the database

|  |       |
|--|-------|
| Sponsor(s) or organisation(s)<br>responsible | AREVA |
|--|-------|

|                     |         |
|---------------------|---------|
| Organisation status | Private |
|---------------------|---------|

| 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 population file   |
| Database recruitment is carried out as part of an interventional study | No  |
| Additional information regarding sample selection.                     | Retrospective Other bodies active in creating this cohort: Cancer registry, Areva archives, Carmi. Inclusion cut-off date: 01/01/2001.  |
| Database objective   |   |
| Main objective   | Study on the increased risk of cancer, including lung cancer, after chronic exposure to ionising radiation, including alpha emitters (radon descendants, uranium dust). Professional cofactors and smoking are taken into account. Secondary objective: The cohort study benefits from high quality individual registration of exposure to various carcinogens on an annual basis, as well as long-term follow-up (over 20 years on average). All causes of death are recorded regularly. It is also possible to study risks other than cancer in this cohort, including the risk of cardiovascular or respiratory death. The extrapolation of risk per unit of exposure enables the assessment of low-dosage risk, at levels regularly encountered by some of the French population. This is especially true for the estimation of cancer risk per unit of radon exposure in the home. |
| Inclusion criteria   | Having worked at least 1 year in the CEA-Areva Uranium Mines  |
| Population type  |   |
| Age  | Adulthood (19 to 24 years)<br>Adulthood (25 to 44 years)<br>Adulthood (45 to 64 years)<br>Elderly (65 to 79 years)<br>Great age (80 years and more)   |

|  |   |
|--|---|
| Population covered                           | General population  |
| Gender                                       | Male<br>Woman   |
| Geography area                               | National  |
| Detail of the geography area                 | 4 centres throughout France (Mines in Vendée, Limousin, Hérault and Forez)  |
| Data collection                              |   |
| Dates  |   |
| Date of first collection (YYYY or MM/YYYY)   | 01/1946   |
| Date of last collection (YYYY or MM/YYYY)    | 12/2007   |
| Size of the database                         |   |
| Size of the database (number of individuals) | [1000-10 000[ individuals   |
| Details of the number of individuals         | 5 086   |
| Data   |   |
| Database activity                            | Current data collection   |
| Type of data collected                       | Declarative data  |
| Declarative data (detail)                    | Paper self-questionnaire<br>Face to face interview  |
| Presence of a biobank                        | No  |
| Health parameters studied                    | Health event/morbidity<br>Health event/mortality<br>Health care consumption and services  |
| Care consumption (detail)                    | Hospitalization<br>Medical/paramedical consultation<br>Medicines consumption  |
| Procedures                                   |   |
| Data collection method                       | Self-administered questionnaire: manual input from a paper questionnaire<br>Interviews: manual input from a paper questionnaire |

|  |   |
|--|---|
| Participant monitoring                 | Yes   |
| Details on monitoring of participants  | 30 years  |
| Links to administrative sources        | Yes   |
| Linked administrative sources (detail) | - CépiDc, - CEA-Areva Administration, - CEA-Areva exposure, - RNIPP, - Carmi. |

## Promotion and access

### Promotion

|                      |   |
|----------------------|---|
| Link to the document | <a href="http://tinyurl.com/HAL-Mineurs-d-uranium">http://tinyurl.com/HAL-Mineurs-d-uranium</a>       |
| Description          | List of publications in HAL   |
| Link to the document | <a href="http://tinyurl.com/Pubmed-Mineurs-d-uranium">http://tinyurl.com/Pubmed-Mineurs-d-uranium</a> |
| Description          | List of publications in Pubmed  |

### Access

|   |   |
|---|---|
| Terms of data access (charter for data provision, format of data, availability delay) | Data may not be used by academic or industrial teams. |
| Access to aggregated data   | Access on specific project only                       |
| Access to individual data   | No access   |