

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

Head :Laurier Dominique, LABORATOIRE D'ÉPIDÉMIOLOGIE DES RADIATIONS DRPH/SRBE/LEPID IRSN INSTITUT DE RADIOPROTECTION ET DE SURETÉ NUCLÉAIRE (IRSN)

Leuraud Klervi, LABORATOIRE D'ÉPIDÉMIOLOGIE DES RADIATIONS DRPH/SRBE/LEPID IRSN INSTITUT DE RADIOPROTECTION ET DE SURETÉ NUCLÉAIRE (IRSN)

Rage Estelle, LABORATOIRE D'ÉPIDÉMIOLOGIE DES RADIATIONS DRPH/SRBE/LEPID IRSN INSTITUT DE RADIOPROTECTION ET DE SURETÉ NUCLÉAIRE (IRSN)

Last update : 08/12/2014 | Version : 2 | ID : 60014

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
Cardiology
Pneumology

Health determinants Addictions
Occupation

Keywords Death, lung, cancer, radon, tobacco, alpha-risk, health, environment

Scientific investigator(s) (Contact)

Name of the director Laurier

Surname Dominique

Address 92262 FONTENAY AUX ROSES

Phone +33 (0)1 58 35 89 99

Email dominique.laurier@irsn.fr

Unit LABORATOIRE D'ÉPIDÉMIOLOGIE DES RADIATIONS

DRPH/SRBE/LEPID IRSN INSTITUT DE
RADIOPROTECTION ET DE SURETÉ NUCLÉAIRE
(IRSN)

Name of the director	Leuraud
Surname	Klervi
Address	92262 FONTENAY AUX ROSES
Phone	158357989
Email	klervi.leuraud@irsn.fr
Unit	LABORATOIRE D'ÉPIDÉMIOLOGIE DES RADIATIONS DRPH/SRBE/LEPID IRSN INSTITUT DE RADIOPROTECTION ET DE SURETÉ NUCLÉAIRE (IRSN)

Name of the director	Rage
Surname	Estelle
Address	92262 FONTENAY AUX ROSES
Phone	+33 (0)1 58 35 90 04
Email	estelle.rage@irsn.fr
Unit	LABORATOIRE D'ÉPIDÉMIOLOGIE DES RADIATIONS DRPH/SRBE/LEPID IRSN INSTITUT DE RADIOPROTECTION ET DE SURETÉ NUCLÉAIRE (IRSN)

Collaborations

Participation in projects, networks and consortia	Yes
--	-----

Funding

Funding status	Mixed
Details	IRSN , Communauté Européenne, AREVA

Governance of the database

Sponsor(s) or organisation(s) 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)
Adulthood (25 to 44 years)
Adulthood (45 to 64 years)
Elderly (65 to 79 years)
Great age (80 years and more)

Population covered	General population
Gender	Male 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 Face to face interview
Presence of a biobank	No
Health parameters studied	Health event/morbidity Health event/mortality Health care consumption and services
Care consumption (detail)	Hospitalization Medical/paramedical consultation Medicines consumption
Procedures	
Data collection method	Self-administered questionnaire: manual input from a paper questionnaire 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 <http://tinyurl.com/HAL-Mineurs-d-uranium>

Description List of publications in HAL

Link to the document <http://tinyurl.com/Pubmed-Mineurs-d-uranium>

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