

COSET-MSA - Work-Related Epidemiological Surveillance Cohort - Agricultural Occupations

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General

Identification

Detailed name Work-Related Epidemiological Surveillance Cohort - Agricultural Occupations

Sign or acronym COSET-MSA

CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation 09/10/2009, no. 909091, 19/10/2010 no. 910191.

General Aspects

Medical area Occupational Medicine

Pathology (details) Work and health.

Health determinants Occupation

Keywords work environment, musculoskeletal disorders, asthma, depression, ischaemic heart disease, health

Scientific investigator(s) (Contact)

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Collaborations

Participation in projects, networks and consortia Yes

Details The COSET-MCA cohort is a project developed in partnership with the Health Insurance Fund for Salaried Workers, the CESP (INSERM) computerised platform and the CONSTANCES cohort team (INSERM-UVSQ in partnership with the CNAM-TS).

Others Related cohorts: CONSTANCES (general scheme recipients) as part of the general epidemiological surveillance programme for occupational risks (COSET programme): building on CONSTANCES active population data for monitoring general scheme-affiliated employees. COSET-RSI - pending: development of a cohort of independent active workers in the programme.

Funding

Funding status Public

Details Ministry of Agriculture (Ecophyto Plan 2018), InVS (own capital), including human resources. Registration in Cancer Plan II.

Governance of the database

Sponsor(s) or organisation(s) responsible Santé publique France

Organisation status Public

Presence of scientific or steering committees Yes

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. Prospective. Other bodies active in creating this cohort: central MSA fund. Closing date for inclusion: 28/02/2018.

Database objective

Main objective The COSET programme's general objective (Work-Related Epidemiological Surveillance Cohort) is to provide information on the health of the economically active population in connection with occupational factors. The programme shall help identify occupations and working conditions that pose a health risk, and provide prevention recommendations. The programme relies on data from multiple representative cohorts of economically active individuals from three principal social welfare schemes.. The DTS formed cohorts of workers affiliated with the MSA (Social Security Scheme for Agricultural Workers) (COSET-MSA) and the RSI (Social Security Scheme for Independent Workers) (see COSET-RSI sheet). The objectives of the COSET-MSA cohort are similar to the COSET programme that applies to workers affiliated with the agricultural scheme.

Specific objectives:

- To describe and monitor the links between morbidity/mortality between workers and occupational exposure, whether it is physical, chemical, psychosocial or organisational;
- To calculate morbidity/mortality fractions from occupational exposure factors;
- To promote the establishment of ad hoc studies to identify issues that are emerging or poorly documented in the scientific plan;
- To identify and monitor sub-populations affected

by specific risks on a large scale;
- To compare workers affiliated with different social security schemes and monitored as part of the COSET programme.

Inclusion criteria

Men and women between 18 and 65 years old and affiliated with the MSA the year prior to random selection.

Population type

Age
Adulthood (19 to 24 years)
Adulthood (25 to 44 years)
Adulthood (45 to 64 years)

Population covered
General population

Pathology

Gender
Male
Woman

Geography area
National

Detail of the geography area
5 pilot départements in 2010: Bouches du Rhône, Pyrénées Atlantique, Saône-et-Loire, Finistère, Pas-de-Calais. National extension in 2014: metropolitan France and farmers in overseas départements.

Data collection

Dates

Date of first collection (YYYY or MM/YYYY)
02/2010

Size of the database

Size of the database (number of individuals)
Greater than 20 000 individuals

Details of the number of individuals
30,000 for nationwide study; 60,000 individuals that did not respond to the questionnaire were passively monitored (BMA); 2,500 active workers from the agricultural scheme in the pilot cohort; +7,500 non-respondents to the questionnaire passively monitored. Extended: 30,000 active agricultural workers in the cohort + sample of 60,000 non-respondents to the questionnaire.

Data

Database activity
Current data collection

Type of data collected	Declarative data Administrative data
Declarative data (detail)	Paper self-questionnaire
Details of collected declarative data	Self-administered questionnaire at baseline and during follow-up every year: - - Sociodemographic data; - tobacco and alcohol consumption; - health and health events; - occupational history; - occupational exposure history; - professional situation and current work conditions.
Administrative data (detail)	---
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 is available online.
Quality procedure(s) used	Consistency checks during computerised data entry. Management of partial or wave non-response by imputation and correction of complete non-response through re-weighting using leveraged external data (health insurance and pension databases) collected for respondents and non-respondent sample. Individuals are informed about the use of their data in writing at baseline.
Participant monitoring	Yes
Monitoring procedures	Monitoring by contact with the participant (mail, e-mail, telephone etc.) Monitoring by crossing with a medical-administrative database
Details on monitoring of participants	Indefinite duration; annual or biannual follow-up.
Links to administrative sources	Yes
Linked administrative sources (detail)	PMSI, SNIIRAM, CNAV, CépiDc, contribution databases, employee contracts and work-related accidents from the agricultural scheme.

Promotion and access

Promotion

Link to the document

[nouveau document microsoft word \(2\).docx](#)

Access

Terms of data access (charter for data provision, format of data, availability delay)

Data may be used by academic teams through written request with protocol. CNIL approval.

Access to aggregated data

Access on specific project only

Access to individual data

Access on specific project only