

TITLE OF THE PROJECT: Surveillance of chronic respiratory diseases in relation to work

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SUMMARY

Background

Role of occupational factors in the occurrence of chronic respiratory diseases has been studied and review articles have estimated that the population attributable risk for occupational factors was 10 to 25% for asthma and 15% for COPD. These diseases can have adverse impact on the subjects' future job and financial status.

Objectives

The objectives of the project are: 1) to assess the prevalence of these diseases by employment status, industry, occupation and occupational exposures; 2) to assess the control of asthma in relation to occupational parameters; 3) to assess the incidence of these diseases in relation to occupational parameters; 4) to determine attributable risk of occupational parameters in the occurrence of these diseases; 5) to study socioeconomic and occupational outcomes related to these diseases.

Methods

The study population will comprise all participants in the cohort, except for the study of allergic sensitization (performed in a random sample of participants at inclusion) according to occupational parameters and the study of control of asthma according to occupational parameters (performed in a random sample of asthmatic patients at inclusion).

Prevalence and Incidence rates, weighted for sampling plan and nonresponse, will be studied according to the participants' occupational characteristics.

Occupational parameters comprise industry and occupation categories of the participants and data provided by existing job exposure matrices.

Perspectives

Data from epidemiological surveillance will contribute to the definition of occupational health policies aimed at reducing the number and/or the severity of the diseases due to occupational factors.

Note: this project is part of the research consortium 'CONSTANCESRespi – Surveillance, determinants, natural history and impact of chronic respiratory diseases and accelerated lung function decline in CONSTANCES - An Integrative project'