

Presentation Title	Place in Schedule
<p>Aragon Workers' Health Study (AWHS): promoting the occupational health of workers in OPEL Spain</p>	<p>Concurrent Session 3.6 <i>Day 2 – Wednesday</i> <i>May 9th, 2018</i> <i>4:00 – 5:15pm</i></p>
Description of Presentation	Presenter Name(s) And Credentials
<p>Cardiovascular diseases continue to be the main cause of temporary or permanent disability and mortality in our country. The concern to improve its knowledge, know its prevention and implement measures for it, occupies a prominent place in the objectives of our public health system and in occupational prevention medicine.</p> <p>In 2009, the Aragon Workers' Health Study (AWHS) was launched as a result of the collaboration agreement between the Institute of Health Sciences of the Government of Aragon, the National Cardiovascular Research Center of the Carlos III Health Institute of the Government of Spain and the factory OPEL Spain of Saragossa.</p> <p>The AWHS is a cohort study, observational and longitudinal, whose main objective is to know the genetic determinants and the environment and lifestyles that condition the appearance of different cardiovascular risk factors in certain individuals and the subsequent evolution towards subclinical atherosclerotic disease or clinic in some of them.</p> <p>A multidisciplinary research infrastructure was prepared to collect clinical data from voluntary annual occupational health medicine reviews of its workers and to collect blood and urine samples for multiple clinical analyzes, DNA extraction and aliquot and storage of their samples. blood and urine, completely anonymously, in the Biobank of Aragon.</p> <p>The cohort is made up of 5680 workers. A total of 2900 volunteers (known as AWHS: ISAWHS), every three years, are given a special visit to the Miguel Servet University Hospital (Zaragoza) in the Cardiovascular Prevention Research Unit of the application of different lifestyle and psychological questionnaires and performed ECG, 3DHD vascular ultrasound of the carotid and femoral arteries and coronary CT. All procedures and protocols are certified in the ISO-9008 quality standard.</p>	<p>Eusebio, MD, Occupational Medicine Specialist <i>Opel España</i></p>

Currently, eight cross-sectional surveys in these years of comprehensive follow-up of the entire AWHS cohort, the first special visit to the HUMS of all ISAWHS members, and their second control visit in the first 800 of them.

At present we have about 300,000 aliquots of DNA, whole blood, serum, plasma and urine in the Biobank of Aragon and an extensive database of clinical data, lifestyles, biometric, genetic, metabolic and vascular imaging has been formed.

Special measures of cardiovascular prevention have been proposed to the employees and multiple heart and extracardiac pathologies have been detected and communicated, and the employees affected have been referred to treatment.

Competitive funding has been obtained through different public calls for national and international health projects. The scientific production of excellence is abundant and in positive progression.

The authors present the AWHS as a model of success in promoting the occupational health of workers at the OPEL factory and an example of collaboration between the regional and national administration, the University of Zaragoza and a large factory of automobile production.