### Results

- The study included 4,387 workers employed in the site of AREVA – La Hague between 1999 and 2009. Most employees were men (85%), Table 1.

- A total of 2,303 incident diseases were registered for 1,671 workers. Traumatic lesions were the most frequent for men (IRs=1,514 cases per 100,000 person-years). Diseases of the musculoskeletal and connective tissues were the first major cause of disease for women and second for men (IRs=1,158 cases/100,000 p-y for women; IRs=1,306 cases/100,000 p-y for men), Figure 1.

### Discussion

- The Chimed database gives an overview of the health status of the Areva workers. At this stage, only workers with a statutory position were included in this analysis but it will be extended to all AREVA – La Hague workers.

- It is planned to undertake a joint analysis of our site-specific data in order to increase the statistical power of the study. File matching with exposure or work type database will give support to the conduction of analytical studies based on morbidity data, in particular to study the effect of exposure to ionising radiation. Other variation factors on the incidence of major diagnosed diseases (such as social class, shift work, duration of work ..) will be also further investigated.

- Finally, the feasibility of the epidemiological surveillance of these workers after retirement will be evaluated. In France, there is no national cancer registry. However, for the site of La Hague, it will be possible to use data from two Regional Cancer Registries: one dedicated to solid cancers and one dedicated to Haematopoietic Malignancies.