INTRODUCTION:
In France, the National Network of Aerobiological surveillance (RNSA) has been mandated by the Ministries of Health and Environment, in partnership with other actors, to carry out the monitoring of the pollens and spores of mould present in the air, and to transmit information to allergic patients so that they can manage their symptoms at best, after consultation. This information of allergic patients is not only done with pollen accounts that have no real meaning, but with the allergy risk due to exposure to pollen established by the Scientific Council of RNSA by putting in parallel Clinical and pollen data and based on literature.

EXPOSURE DATA:
There are currently about 80 sensors operating in France metropolitan territory. These are Hirst types traps which allow to obtain the concentrations of each pollen per day of each site, after analysis of samples with optical microscopes. The accumulation of these data at weekly or annual level allows to have a pollen-related exposure index.

CLINICAL DATA:
Every week since 12 years, the RNSA has been working with a network of allergists (about 80) that provides weekly data on the number of allergic patients encountered, their symptoms and their gravity. This information is processed and transformed into a clinical index.

IN ONE SEASON:
The follow-up of the clinical index allows to know the reaction of the allergic people in relation to the pollens found. For the Lyon site, data from birch and grass pollens clearly identify two successive clinical seasons. It also shows regional specificities such as ragweed pollens in Lyon.

From year to year:
By cumulating pollen concentrations and averaging the clinical index over the period, the evolution of the two data can be paralleled and allow the monitoring of clinical data of a pollen over the years, a site or on the whole of France. The evolution of season birch pollen integral has a direct impact on the clinical symptoms.

CONCLUSION:
Despite a regular increase of exposure for allergy sufferers, the symptoms felt remain stable, the preventive information allowing them to stabilize their symptoms.

Conflict of interest: RNSA employees