Electronic medical records (EMR) are used to register important health related information as allergic conditions and contribute to both safety and quality of medical assistance. Allergy alerts are mandatory in EMR especially in the hospital setting. Orion-clinic-OC is a software application integrated in the health information system of hospitals at the Comunidad Valenciana. Data regarding allergy are registered in a special alert entry.

**Objective**

To evaluate the use of allergy alert entries in the EMR and to establish the allergy profile of in-patients in a tertiary hospital during the first five months of use.

**Material and methods**

A cross-sectional observational descriptive study including all patients admitted during the period between January and July 2011. The allergic status of patients was evaluated in four categories: No allergy, Allergy, Intolerance and Adverse reactions. Allergy alerts were more frequent in women at all age intervals and increased progressively with age.

**Results**

- The rate of allergy information included in EHR was 64.45%.
- Patients considered as non-allergic were identified in the EHR (7,407 patients, 54.40% of admissions).
- A total of 2,660 alerts for A/I were analyzed.
- Entries for drug allergy-intolerance were more common in women (1,285; 64.76%) than men (698; 35.23%) (p<0.05).
- Entries for food allergy-intolerance were also more frequent in women (170; 56.07%) than men (139; 43.93%) but this trend was reversed in the age group between 0-15 years (p<0.05).

**Conclusions**

1. Electronic health records (EHR) provide the opportunity to register important health-related information such as allergic conditions.
2. Allergy alerts are a useful tool to identify the allergic background of hospitalized patients.
3. The analysis of the allergy alerts provided information about the allergic profile of patients.
4. Food and drug allergy alerts were more frequent in women at all age intervals and increased progressively with age.