Objective:
✓ To characterize the incidents associated with the use of antibiotics in pediatric patients who go to the Emergency Department.
✓ Identify the drugs, categorize the types and causes of errors, determine the severity and analyze the factors that influence its occurrence.

Method:
✓ Prospective observational study of the incidents detected in the Emergency Department during a period of 3 months in 2017. A form was used that included:
   - Identify the drugs
   - Determine the severity
   - Categorize the types and cause of errors
   - Analyze factors that influence

Results:

- 9,4% Non-preventable adverse events
- 90,6% Medication Errors

- In 48% of cases, the error reached the patient but did not cause damage.
- In 52% the error caused temporary damage to the patient and required treatment or intervention.
- The latent factors described in 87% of the cases were lack of knowledge and training about the medication and lack of follow-up of clinical guidelines.

Conclusions:
✓ A high number of incidents related to antibiotic treatment have been observed in pediatric patients, mostly on prescription.
✓ We recommend the development of joint therapeutic guides between Primary Health Care and Specialized Care aimed at the safe use of antibiotics, focusing on the adequacy of the antibiotic and the dose based on the infectious process.