

26th Congress - Hospital pharmacists changing roles in a changing world





## CHARACTERISATION OF MEDICATION ERRORS IN A PUBLIC HOSPITAL

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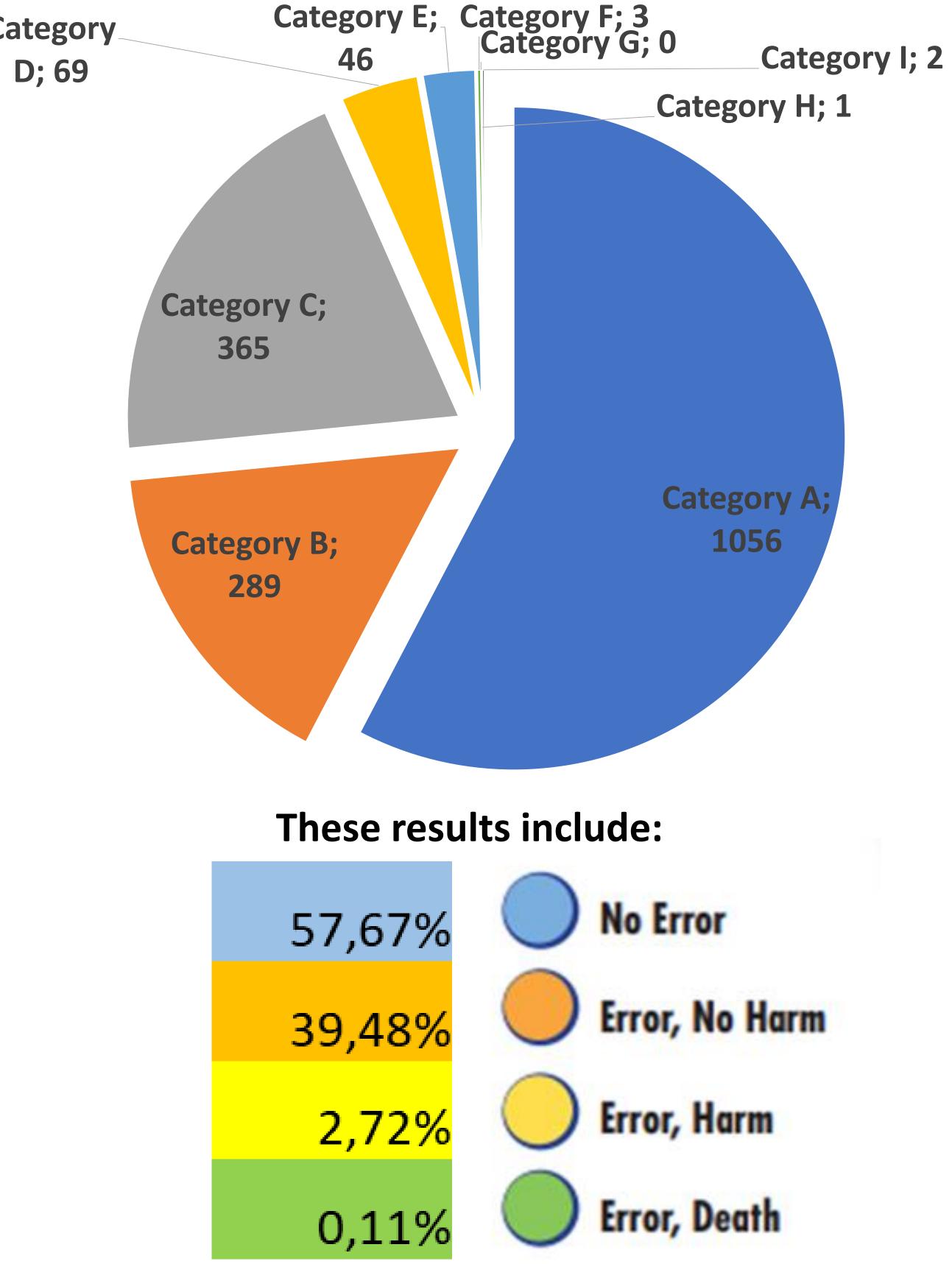


Health care is associated with risk management, in which we From a total of 8076 pharmaceutical interventions, it was include medication errors. These remain a major cause of possible to categorize 1831 medication errors. morbidity and mortality. In 2017, The World Health **NCCMERP** categories distribution Organization launched the Global Patient Safety Challenge-**Medication Without Harm**, which goal is to globally reduce the Category E; Category F; 3 Category G; 0 Category Category I; 2 46 level of severe, avoidable harm related to medications by 50% D; 69 Category H; 1 over 5 years.

Objective

**Characterization of Medication Errors according** to the National Coordinating Council for Medication Error Reporting and Prevention (NCCMERP) Index.



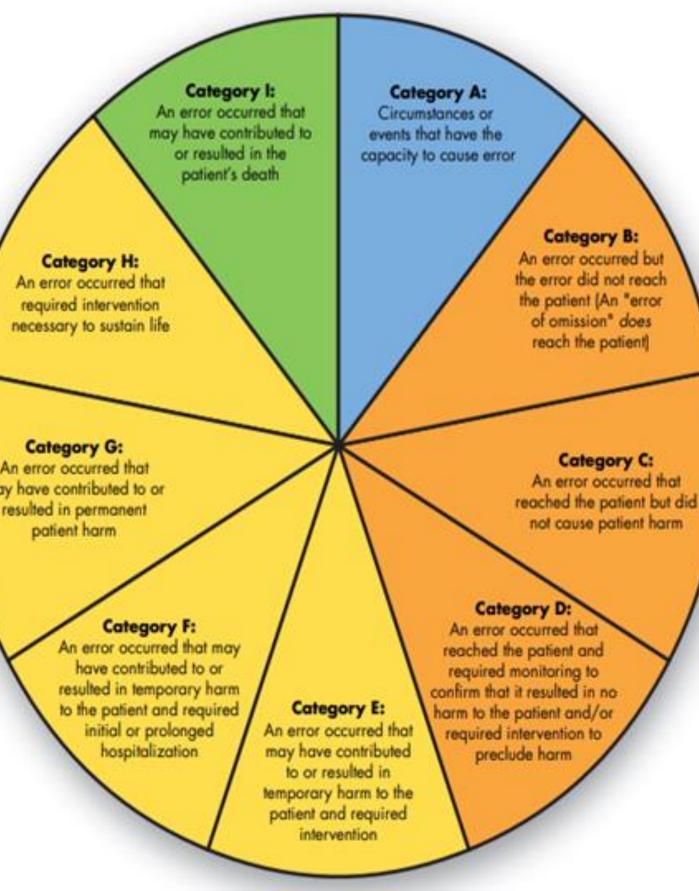


An observational, descriptive and retrospective study was conducted over **two years**. This study included all prescriptions with at least one pharmaceutical intervention conducted to inpatients admitted from January 1, 2019 to December 31, 2020 and it was based on pharmaceutical records and clinical files.

The identified medication categorized errors were **NCC MERP Index for Categorizing Medication Errors** according to the NCCMERP Index:

• Category A - no error;

- Category B,C,D error, no harm;
- Category E,F,G,H error, harm;



The medication errors from Categories E to I involved 16 medications. Acenocoumarol and enoxaparin were the drugs involved in the errors that led to death.

# Conclusion



**Category I** - error, death.

The **medication errors** that could not be categorized according NCCMERP to Index due to omission of information were excluded.

KEYWORDS: Medication Errors; Pharmaceutical Intervention; Patient Safety.

### References

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Characterizing Medication errors is essential to identify system failures and its severity. Evidence suggests that knowledge can improve perception of safety culture and potentially reduce patient harm. Pharmacist is a core element on the health care system, improving patient safety and care quality, by raising awareness of medication management among other health care providers. The major limitation of the study is the fact that we were only able to classify 18% of our sample, the overall challenge is to identify the weaknesses at each stage of the medication process and find strategies to avoid them and/or minimize their frequency and impact.