

# RECORDING MEDICINES ADMINISTRATION ERRORS BEFORE INTRODUCING NEW TECHNOLOGY

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## BACKGROUND

Drug administration is one of the most important stage in the medication process. New technologies are being developed to improve patient safety. The majority of studies focus in administration medication errors, but evaluation of the impact of administration technology on error rates has lagged behind implementation.

## PURPOSE

- To classify and quantify the medication errors produced in the medication administration record (MAR) before implementation of electronic drug administration record.
- To identify the main causes of MAR errors.
- To compare MAR errors detected in a surgical and a medical hospitalization units.

## METHODS

An observational and prospective study in a surgical and a medical hospitalization units during 37 days.

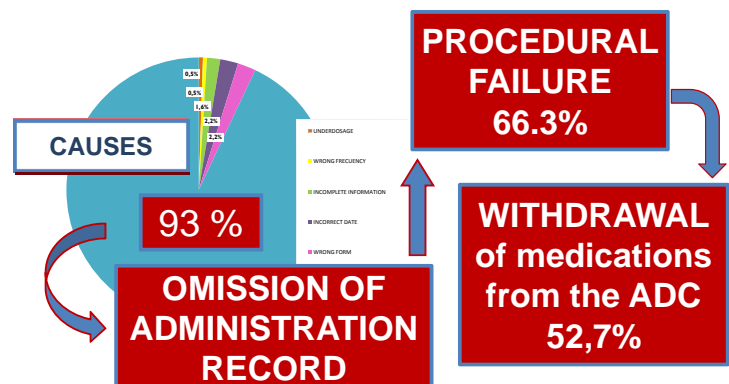


## RESULTS

We analyzed 1.185 doses from 68 patients.



HOSPITALIZATION UNIT ERRORS RATE	
SURGICAL UNIT	19,5 %
MEDICAL UNIT	9,4 %



## CONCLUSION

- Omission of administration record was the most common type of MAR errors. The main cause was procedural failure, due in a high rate to incorrect withdrawal of medication from the ADC. There is a need for safe strategies that will reduce errors associated with ADC processes.
- MAR errors were most common in the surgical hospitalization unit.