

# COST-EFFECTIVENESS OF PHARMACEUTICAL PREOPERATIVE CONSULTATIONS: A FIVE-YEAR ANALYSIS

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## **BACKGROUND AND IMPORTANCE**

## AIM AND OBJECTIVE

2.5% of operations are cancelled because of preoperative medication errors.



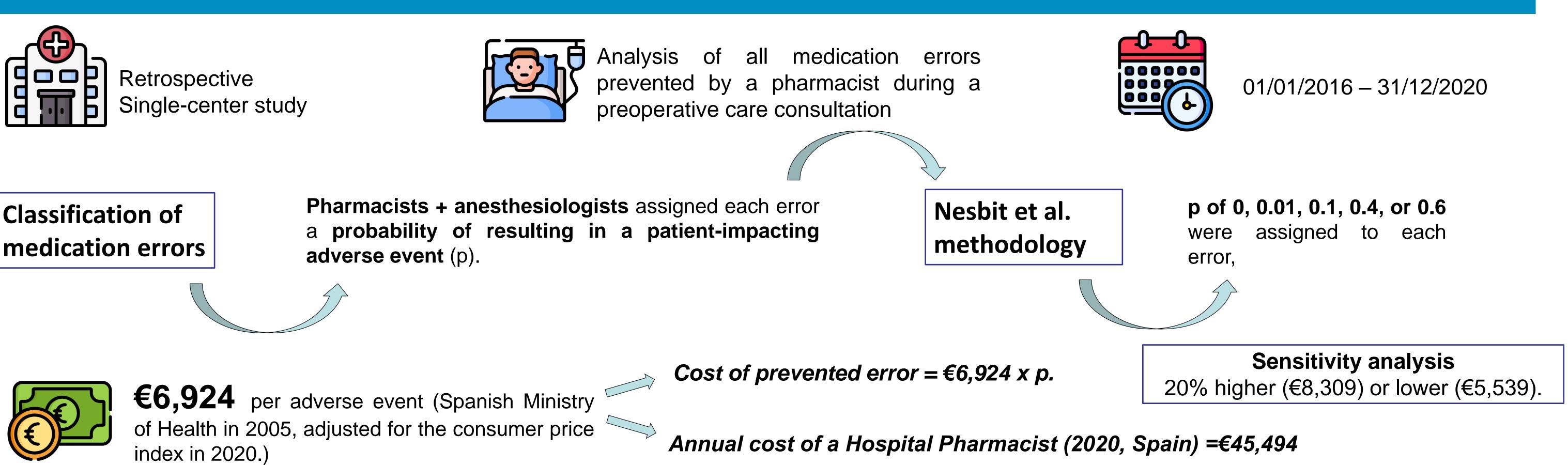
Pharmaceutical preoperative consultations are a possible solution.

They detect and prevent these errors by review the correct medication management of patients undergoing surgery.

Is the implementation of pharmaceutical preoperative consultation cost-effective?



### MATERIALS AND METHODS



### RESULTS



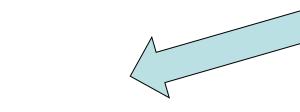
#### Over 5 years...

# **€2,076,785**

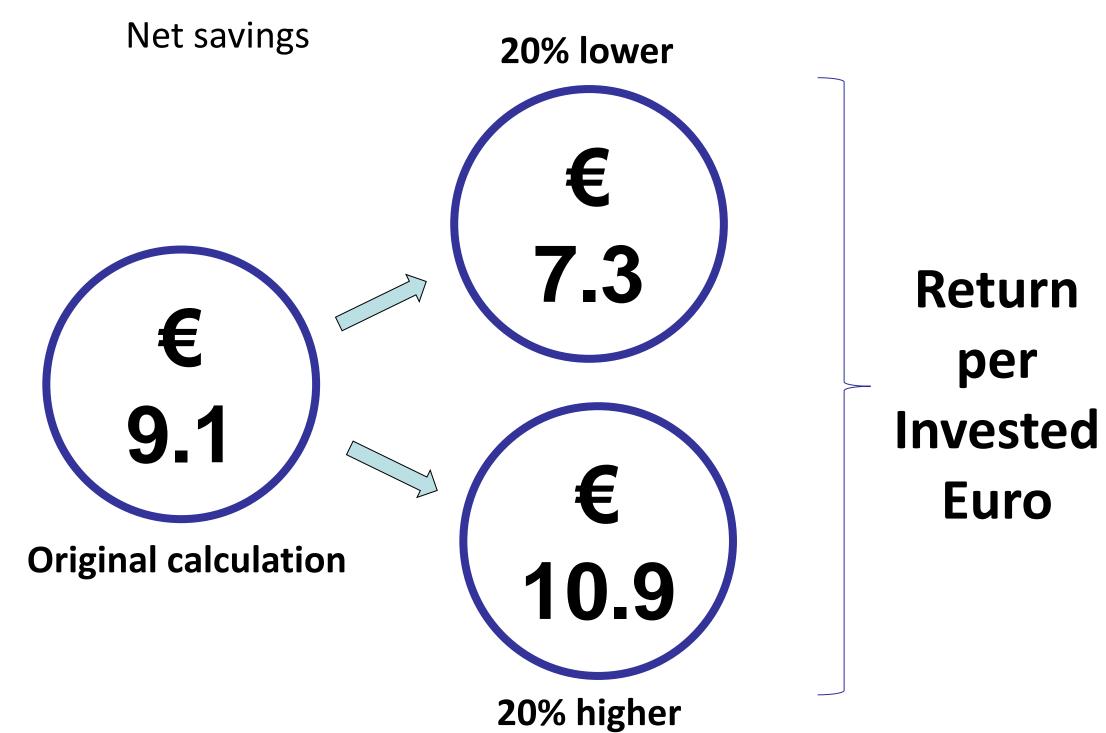
Adverse-events costs prevented.



Cost of employing a pharmacist

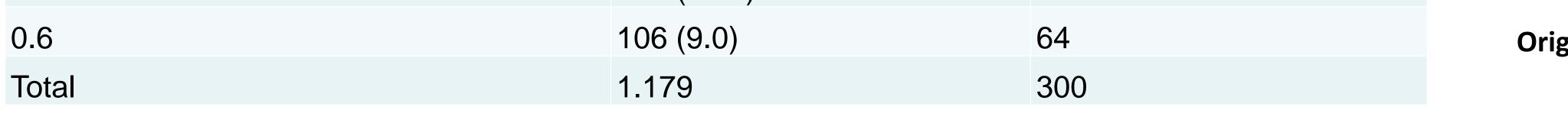






#### Table 1. Classification of medication errors.

Probability that a medication error will cause an adverse effect.	Frequency (%).	Avoided adverse events (p x frecuency)
0	6 (0.5)	0
0.01	224 (19.0)	2
0.1	346 (29.3)	35
0.4	497 (42.2)	199



### **CONCLUSION AND RELEVANCE**

Implementation of a Pharmaceutical Preoperative Care consultation **was cost-effective** for the healthcare system, with a cost savings ranging from **7.3 and 10.9 euros per euro invested**.







