

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

Gomez D, Ribed A, Gimenez A, Herrero S, Rioja Y, Torroba B, Herranz A.

Servicio de Farmacia. Hospital General Universitario Gregorio Marañón. Madrid, Spain

BACKGROUND AND IMPORTANCE

AIM AND OBJECTIVE

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



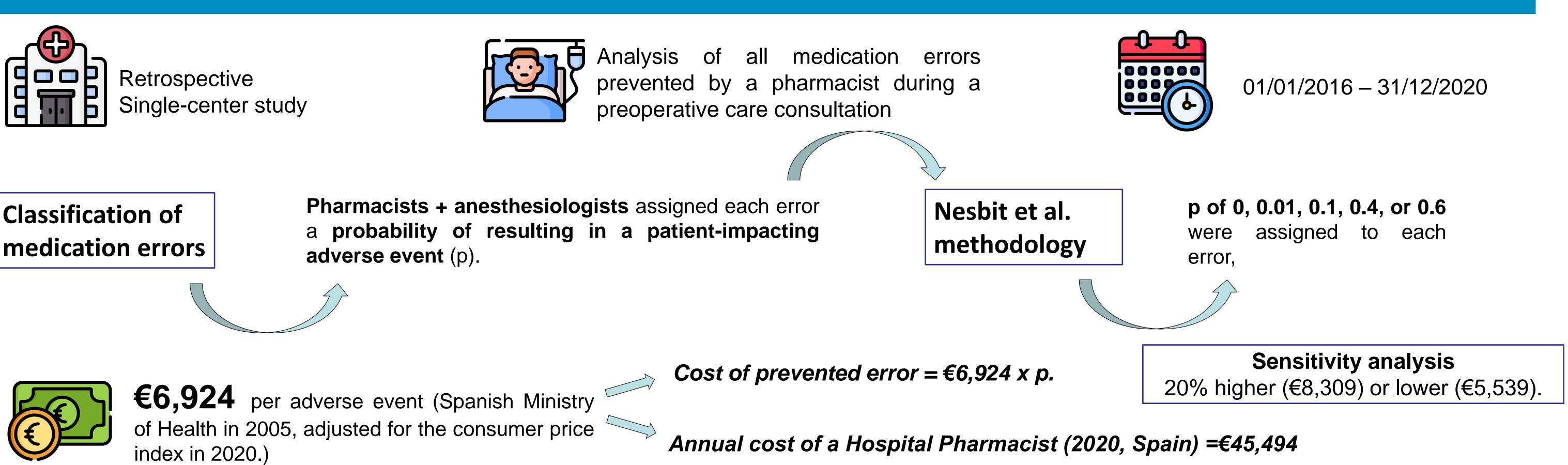
Pharmaceutical preoperative consultations are a possible solution.

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



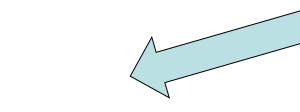
Over 5 years...

€2,076,785

Adverse-events costs prevented.



Cost of employing a pharmacist





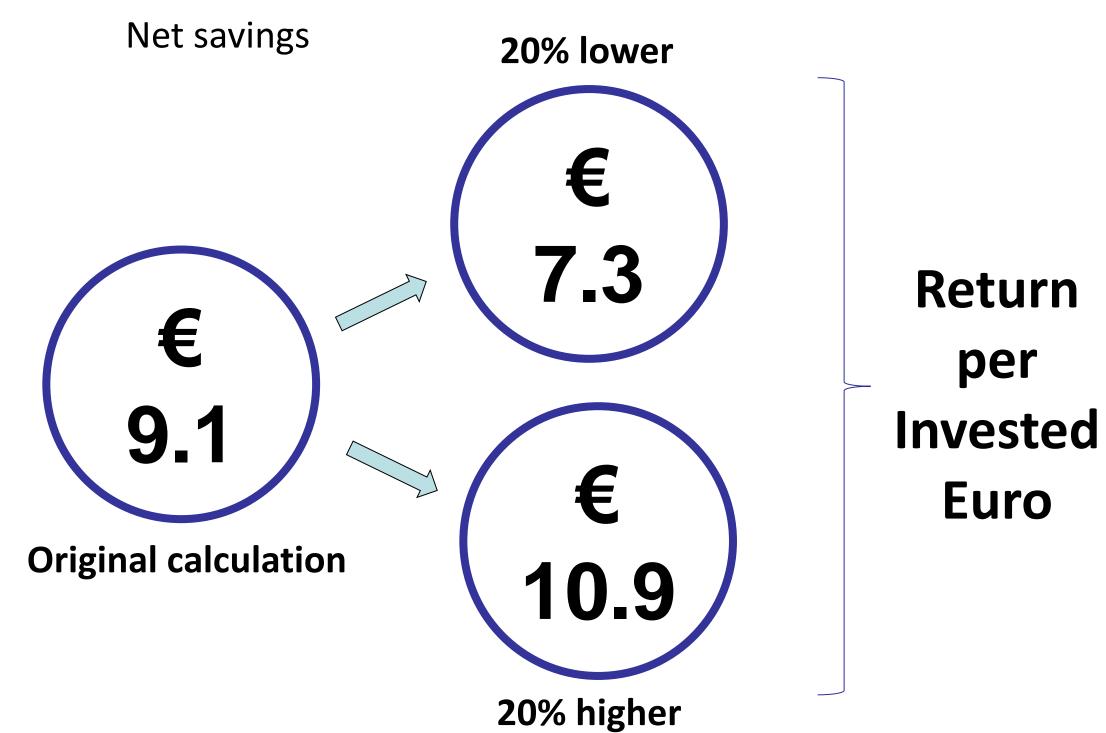
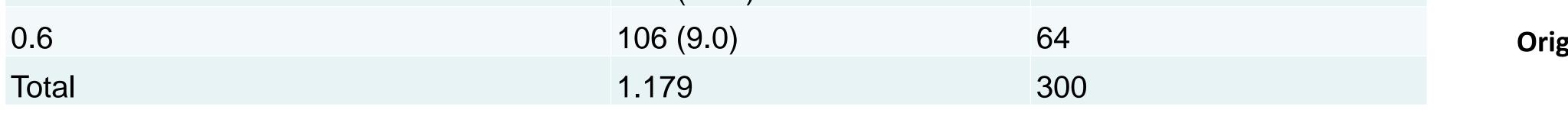


Table 1. Classification of medication errors.

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**.







