

# EVALUATION OF THE DRUG ORDER COSTS IN A HOSPITAL PHARMACY

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## Background

Because of the current budgetary constraints, we are looking for savings in all hospital pharmaceutical areas particularly in the supply chain.

## Objectives

Optimize and modernize the drug order process for our hospital pharmacy on the basis of the actual cost of an order.

## Methods

We chose to set up a step-by-step approach to calculate accurately the cost of one drug order in our pharmacy. This approach is based on two stages :

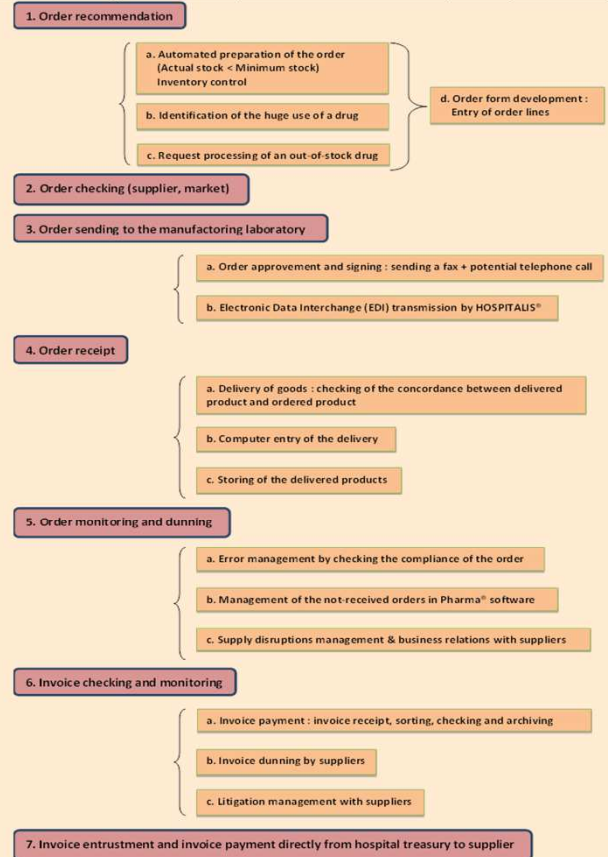
- ❖ Process definition of drug order (Figure 1) ;
- ❖ Identification of the stakeholders for each step in the order process.

Staff costs are based by accounting the daily average times spent on each step then by weighting them according to the hourly rate of the grade concerned (Figure 2).

Figure 2 : Average cost table of the pharmacy professional profiles

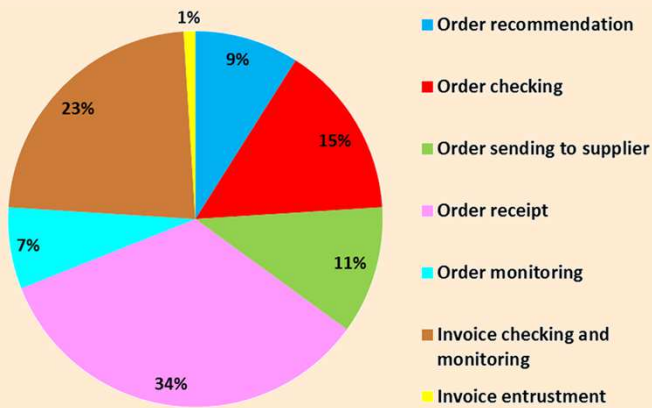
Cost Grade	Hourly rate (€/hour)	Monthly cost (€)	Annual cost (€)
Hospital pharmaceutical assistant	24,36	3692,63	44311,56
Occupational skilled worker	19,92	3018,59	36223,08
Administrative officer	18,41	2790,75	33489,00
Pharmacy resident	19,79	3000,17	36002,04
Pharmacy extern	2,55	386,81	4641,72
Full-time Hospital Pharmacist	66,40	10064,58	120774,96

Figure 1: « Drug order » process in our hospital pharmacy



## Results

Share of staff costs for each step in the order process

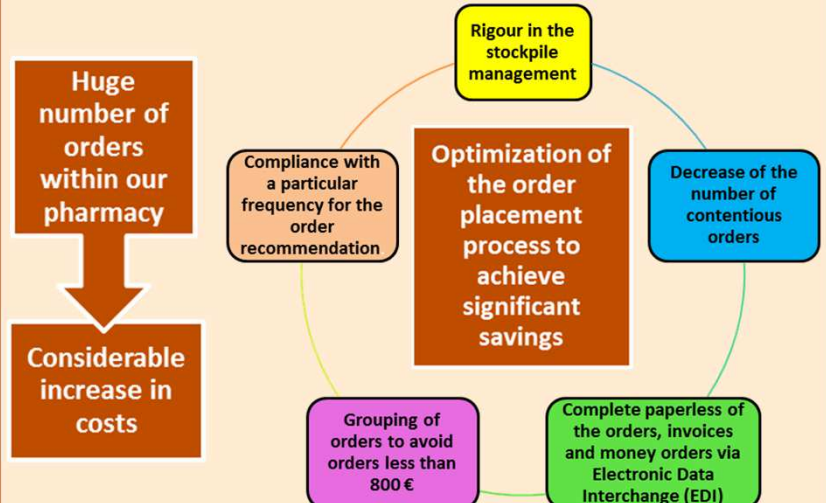


Order costs in our pharmacy, obtained after data exploitation by Excel®

Daily cost for the order process in terms of staffing	1115 € or 59%
Daily cost for the order process in terms of operation and logistic	763 € or 41%
Average cost for a drug order line	32 €
Average cost for a drug order	96 €
1 order ≈ 3 order lines	
59 drug order lines per day	



## Discussion - Conclusions



## Acknowledgements

We are pleased to thank the whole team of Mercy' pharmacy.