

OPTIMIZATION OF STOCKS AND WORKLOAD IN THE REPLACEMENT OF DRUGS IN A SEMIAUTOMATIC SYSTEM OF STORAGE AND DISPENSING

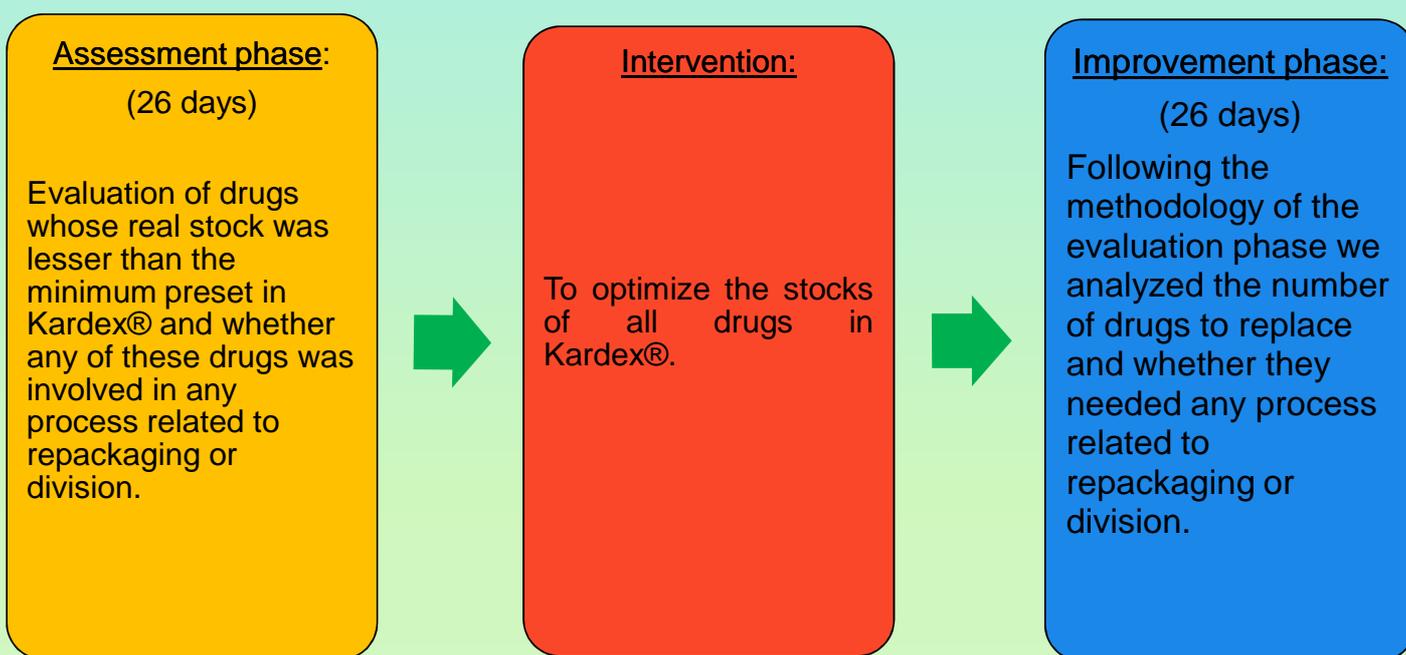
SORIA-SOTO M¹, VENTURA M¹, DE BEJAR-RIQUELME N¹, ALONSO-DOMINGUEZ MT¹, DE GOROSTIZA-FRIAS I¹, SELVI-SABATER P¹, ARRIBAS-DIAZ B¹, SÁNCHEZ-MULERO MC¹, RIZO-CERDA A¹, GOMEZ-GILA A¹.
¹HOSPITAL MORALES MESEGUER, PHARMACY, MURCIA, SPAIN.

Objetives

To achieve a reduction of the time required for the replacement of drugs in a semiautomatic system of storage, Kardex®.

Material and Methods

Assessment and improvement study of the number of daily drugs to replace in Kardex®.



Results:

The maximum and minimum stocks of 550 different drugs were optimized.

| | Before the intervention | After the intervention |
|--|-------------------------|-------------------------|
| Drugs to replace | 1401 (53,8 daily drugs) | 1313 (50,4 daily drugs) |
| Drugs that needed any process related to repackaging or division * | 685 (26,4 daily drugs) | 575 (22,1 daily drugs) |

*This type of drugs takes the most time because they have to be cut, repackaged and bagged.

Time saving was difficult to calculate because it depends on the drug and the stock. It was estimated that the pharmacy auxiliary staff take between 3 and 8 minutes to replace each different drug. Total time saving was between 10.2 and 27,2 daily minutes to replace all drugs.

Conclusions:

-Reviewing the stocks has managed to reduce the number of drugs to replace in Kardex® and therefore it has managed to optimize the replacement time and workload.

-Drugs that must be manipulated their replacement show further reduction which is more time-saving.

-Results show the importance of optimizing the stocks in pharmacy store.