INTRODUCTION OF AN AUTOMATED MEDICINES STORAGE AND DISPENSING SYSTEM IN A PHARMACY DEPARTMENT

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Objective

To describe the process of implementation and start up of an automated Kardex medication storage and dispensing system at the pharmacy service and to evaluate its activity along the first three months

Material and Methods

To prepared the inside kardex system drug list we excluded from selection artificial nutrition, anticancer drugs, thermolabile products, antidote drugs and medical exclusive areas. Each drug was defined in the Kardex system software (Mercurio ®) with maximum and minimum stock, as well as a kind of hollow associated by volume and repackaged. Drug orders infirmary carry out by kardex system began to take place in December/2010 and the assessment period is three months of activity. To acquisition and data capture we used the pharmacy software Mercurio ® and Sinfhos ®

Results

Initially, the inside kardex system products constituted 62% of all the pharmacy drugs. The percentage of free holes was 25.5% in week 3 of activity, decreasing to 9.14% in week 12. The average daily orders executed and properly completed was 7.6 in week 3 and increase to 38.6 at week 12, when the traditional storage system provides an average of 14.4 orders. The incidents took place orders mainly due to lack of medicines and lack of stock repackaged drug

Conclusions

In spite of the great initial difficulty and resistance of nursing assistant Pharmacy service, we consider than the automated kardex medication storage and dispensing system offers us advantages to fill drugs orders and Pyxis ® replacement stations, with a human resources management more efficient. The kardex system software allows information on incidents in order, to make it possible quantify and analyze our mistakes