

## EVALUATION OF SOME QUALITY INDICATORS IN THE DRUGS ACQUISITION MANAGEMENT

**Co-Authors:** J. Velasco<sup>1</sup>, R. Olmos<sup>1</sup>, O. garcia<sup>1</sup>, C. bonillo<sup>1</sup>, P. de la cruz<sup>1</sup>, I. concepcion<sup>1</sup>, C. Ramirez<sup>1</sup>, R. Garcia<sup>1</sup>, A. de la rubia<sup>1</sup>.

<sup>1</sup>University Hospital Arrixaca, servicio de farmacia, murcia, Spain.

### Background

According to the Standard Operating Procedure of our pharmacy service, several indicators are being calculated and compared to our historical standards in the absence of relevant literature.

### Purpose

To evaluate the results of some quality indicators in the acquisition management of medicines in the hospital pharmacy service in 2010.

### Materials and Methods

Indicators and standards to achieve maximum quality in drug procurement are established in the Standard Operating Procedure of our pharmacy service. In order to assess the quality of the activity obtained in 2010, 4 indicators were calculated:

1. Drugs Rotation Index (RI): Annual procurement value / Stock average value. The standard set is  $> 12$
2. Efficiency in Procurement Management Index (EPMI): Procurement value / Consumption value. The standard set is  $\leq 1$
3. Drugs Expiry Index (EI): Expired medicine value \* 100 / Acquisitions value. Standard  $< 0.25\%$
4. Savings rate (SR) for purchasing management: Value saved on purchases \* 100 / Acquisitions value. The standard is managed to meet or exceed the previous year.

### Results

Total acquisitions in 2010 were € 50,801,425 and 75% are sole suppliers.

- The RI for the year of study stands at 21.10.
- The EPMI was 1.
- The average annual EI was found to be 0.23%.
- The annual savings for the management of purchases is 22.19% of total purchases. For the year 2009 this indicator was 17.99%.

### Conclusions

- 1- The high value obtained for the RI reduces the risk for obsolescence and expiration, and allows less capital tied up. However, we believe it would be advisable its decrease to optimize workload and increase efficiency.
- 2- The EPMI value indicates that the capital has remained fixed and whose costs can be made ??and also allows better management of IR.

3- The EI reached reflects its relationship with RI. The best indicator of RI, the lower EI.

4- Although nearly 75% of drugs are supplied by sole suppliers, the high savings situate procurement management as a strategic element in our Service and help the hospital to have those vendors with a good value for money.

5- The indicators value obtained suggest a high quality management of the acquisitions made in 2010.