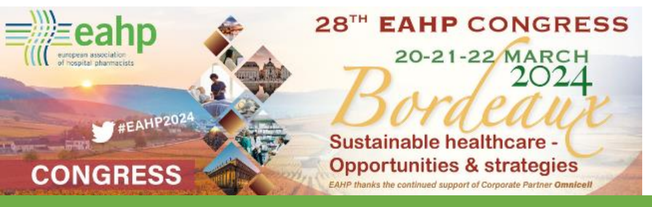

eahp european association of hospital pharmacists

SaludMadrid Hospital Universitario de Getafe

OPTIMISING MEDICATION PROCUREMENT THROUGH INTEGRATED DATABASE

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What was done?

In our quest for enhanced medication procurement efficiency within our Hospital Pharmacy Service, **we have developed an integrated database**

Why was it done?

Digitization was considered essential in **reducing costs** related to inventory management and improving responsiveness in critical situations, such as supply shortages. Traditional manual inventory checks and order verifications were time-consuming and error-prone, prompting the need for a **digital transformation**.

How was it done?

DATA FROM PRIMARY SOURCES

- **Automated medication storage system**
- **Economic Management software**

Minimum stock levels

Historical acquisition

Warehouse capacities

Pending medication orders

Spanish Agency of Medicines and Medical Devices (AEMPS) regarding medication shortages

FarmaTools by Dominion

agencia española de medicamentos y productos sanitarios cima

SEIDOR Products Ulises Smart

ESSENTIAL FUNCTIONALITIES

It generates reports **suggesting orders**

Checks suppliers at minimum stock and identifies medications needing attention (1/3 above minimum stock) from those suppliers

Cross-referencing AEMPS' medication **supply problem database** and pending medication orders

It identifies locations with incomplete medication inventories to **optimize space**

What was achieved?

- We maximized each medication supply request while **promoting sustainability by reducing laboratory-specific medication orders.**
- We optimized storage space within our automated medication storage system, leading to more efficient space utilization and **reduced storage costs.**
- Early detection of **medication shortages** enabled proactive preparation of alternative solutions to effectively **mitigate shortages.**

Whats next?

Our next phase focuses on **continuous system improvement**.

Incorporating **additional data sources** to refine medication supply predictions and exploring the potential for **complete automation of the medication ordering process**. We will also enhance performance **measurement to evaluate the effectiveness of our improvements.**

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