









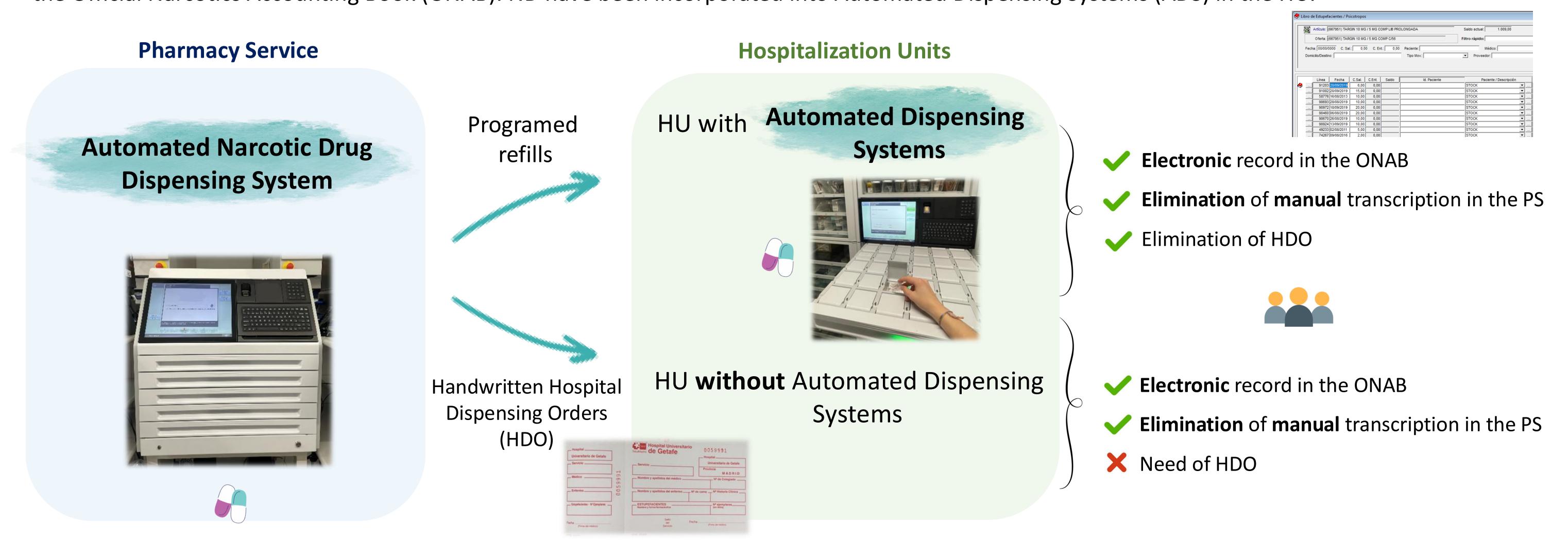
# **AUTOMATION OF NARCOTIC DRUG PROCESS: AN OPPORTUNITY** FOR IMPROVEMENT

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## Background and Importance

An Automated Narcotic Drug Dispensing System (ANDS) has been implemented in the Pharmacy Service (PS) to facilitate the daily distribution of Narcotic Drugs (ND) to Hospitalization Units (HU). Each dispensing process imputed the consumption to the HU and generates an electronic record in the Official Narcotics Accounting Book (ONAB). ND have been incorporated into Automated Dispensing Systems (ADS) in the HU.

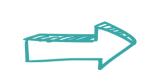


# Aim and Objectives

Analyze how the implementation of a ANDS in the PS and its integration with the ADS in the HU, impacts on the reduction of HDO.

#### Materials and Methods





August 2023 (ANDS implementation) - September 2024

All dispensing process were done through the ANDS:

- In HU with an automatic programmed refill is generated to the ADS. ADS
- In HU without ADS, HDO are maintained on demand.

Refill movements from PS-ANDS to HU-ADS were analyzed, as well as the movements using HDO to HU without ADS.

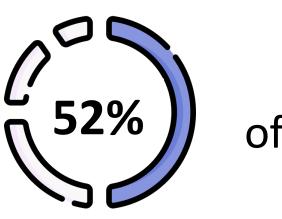


## Results

8,607 movements have been recorded in the ONAB



4,501 correspond to refill movements from PS-ANDS to HU-ADS



of the movements

Therefore, **4,501 HDO** signed by physicians has been avoided



Manual transcription to the ONAB has been reduced to 47.71%

1,159 automatic refills to the ADS



Better planning of activities in the PS Improves the efficiency of healthcare professionals

#### Conclusion and Relevance

Implementation of ANDS improves efficiency in the use of Narcotic Drugs, reducing Hospital Dispensing Orders, as well as manual records in the Official Narcotics Accounting Book.

