

# COVID-19 VACCINATION PLAN BY THE PHARMACY DEPARTMENT IN A SPANISH HOSPITAL

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## WHAT WAS DONE?



A Pharmacy Department (PD) vaccination plan including strategies to optimize human and material resources available to deal with mass COVID-19 vaccination.

## WHY WAS IT DONE?



The unprecedented mass COVID-19 vaccination has highlighted the need to develop strategies that prioritize and optimize the use of resources



Strategies have been established at the national and community levels, however, each center must implement its own plan according to needs and capabilities for its target population

## HOW WAS IT DONE?



### Vaccination plan:

We considered the type of vaccines, storage requirements, the need for specific equipment and workflows, limited vaccine vial supply, and aspects related to staff in the PD

- ✓ Standard operating procedure (SOP) for logistic management of vaccine orders, including an SOP for nursing staff if the shipment arrived outside the PD schedule
- ✓ Storage in specific space considering the different storage requirements



### Doses prepared centrally in PD:

- ✓ Health professionals
- ✓ Group 7 of the national vaccination strategy (onco-hematologic patients with active treatment, hemodialysis patients, primary immunodeficiencies, HIV -CD4<200cel/ml, Down Syndrome ≥40 years)



### General population:

Centralized preparation in PD is not feasible → PD developed a dispensing circuit and informative material for nursing staff for the correct dosage and traceability of vial batches

*In all stages, the use of vials was optimized with strategies such as the selection of adequate packaging material, the grouping of patients, or the exchange of vials between vaccination centers*

## WHAT HAS BEEN ACHIEVED?



**1 6 2 3 0** vaccine vials from **4** different commercial brands. There have been no incidents related to the receipt and storage of vaccines



**9 7 5 3** doses were made in PD. We only wasted a vial on one occasion and a dose on another



**1 1 9 1 1** vaccine vials were dispensed to the general population. Of these, 13 vials were discarded due to errors in the preparation

## WHAT IS THE NEXT?



The development of a specific plan has made it possible to optimize the COVID-19 vaccination process in our hospital. The plan will be adapted and updated according to the updates of the national and community vaccination strategies