

# Vaccination against COVID-19 : Feedback on the reconstitution of doses of Comirnaty® vaccine

C. Biasolo<sup>1</sup>, M-A. Grattelle<sup>1</sup>, C. Bédoucha<sup>1</sup>, Jean-Pierre Pereira<sup>2</sup>, R. Dulin<sup>1</sup>, M. Gayral<sup>1</sup>, A-C. Marion<sup>1</sup>  
(1) : Pharmacy of the Libourne Hospital Center (2) : IT services department



## Introduction

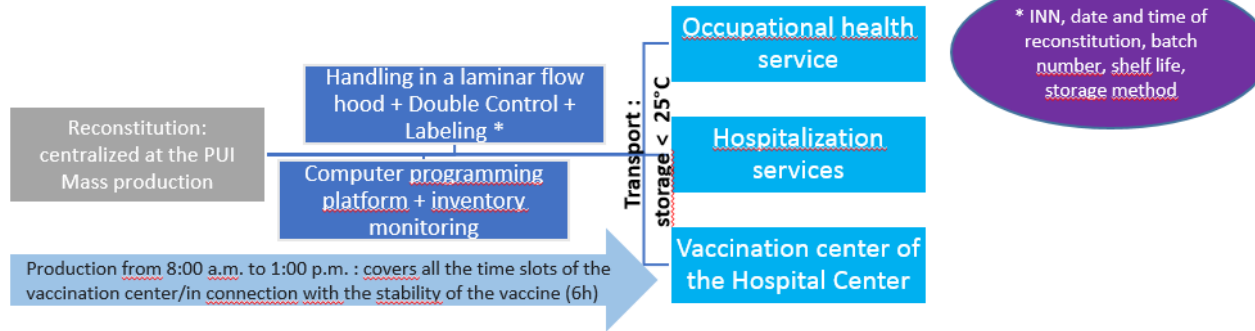
January 7, 2021: start of the SARS-COV2 vaccination campaign at the Hospital Center following the availability on French territory of the Comirnaty® vaccine.

**Problem :** - modality of reconstitution  
- its packaging in multidose vials } At the request of COFIL vaccination → involvement of the pharmacy in the reconstitution of doses

**Objective :** secure and optimize dose management and vaccine dose circuit



## Material and method

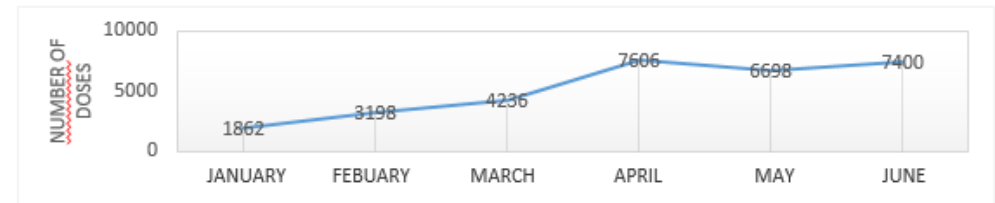


## Results

Evaluation period = **6 months** (from January to June)

Per vials : **6.85 doses are carried out** (depending on the device used, the dead volumes are variable: this does not always allow for the 7th dose)

In total : **31 000 doses were reconstituted**, i.e. **72 doses per hour**



## Discussion

Production hours = in accordance with the activity of the vaccination center

The IT platform provides :

- **reliable patient planning**
- **monitoring of dose consumption in real time** → optimization of daily production
- **monitoring of the stock of vials at the pharmacy** : if it is sufficient, this opens up new vaccination appointments for the population

The main difficulty is dealing with the last doses of the day : some patients are canceled, others are added to the schedule and the vials can be used for 6 to 7 doses. With the involvement of the various professionals, the **dose loss rate is ≤ 0.025%**

## Conclusion

The centralization of production and the circuit implemented ensure quality and safety for the patient. With the involvement of the PUI, hospital pharmacists play a leading role in the SARS-COV2 vaccine campaign

