

# HAEMOASSIST: A DIGITAL BRIDGE BETWEEN HAEMOPHILIA PATIENTS AND PHARMACISTS - 5PSQ-109

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## BACKGROUND

Patients with severe hemophilia will need regular parenteral treatment throughout their lives to restore their hemostasis.

These patients reach a high degree of autonomy and their follow-up can be a challenge for healthcare professionals.

In 2020 our Pharmacy Service offered to 315 patients a mobile application (Haemoassist®) to register their medication administrations specifying whether these were prophylactic or to treat bleeding.

## OBJECTIVES

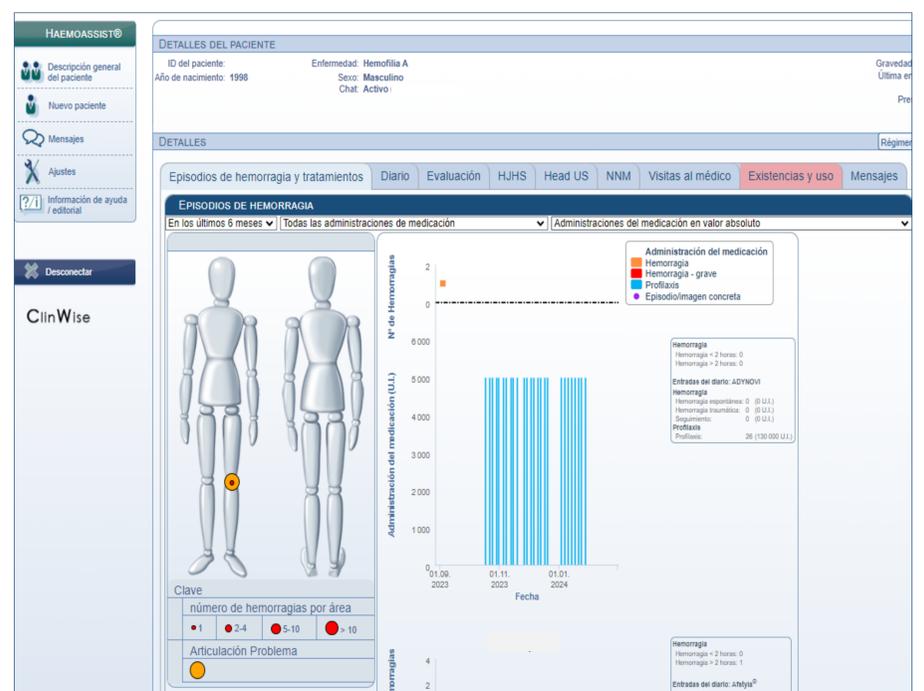
Compare the app usage data published in 2020, with the data obtained in 2022, to know if we are achieving:

- Increase the number of patients using the app.
- Improve the quality of the data entered in the app.

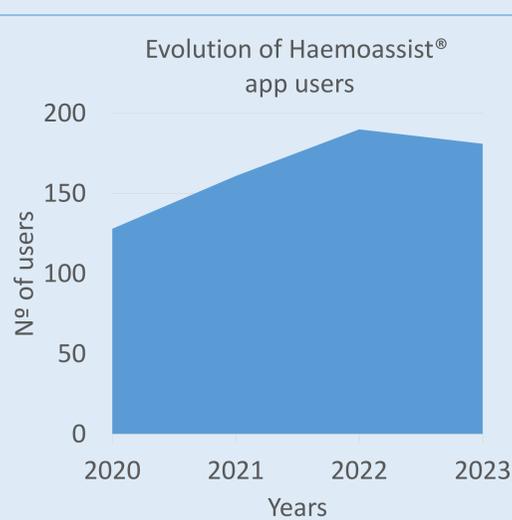
## MATERIAL AND METHODS

- Count the number of patients who used the app in 2022.
- Study the degree of concordance between the **adherence** offered by the app  $\text{adherence} = \frac{\text{reported administered doses}}{\text{prescribed doses}}$  and that calculated from the Pharmacy Service  $\text{adherence} = \frac{\text{dispensed doses}}{\text{prescribed doses}}$ .
- Check whether all patients who, according to the data collected in the hospital's medical record, had bled and were using the app, had reported these **bleeds** in the app.

We compared these 2022 data with those published in 2020.

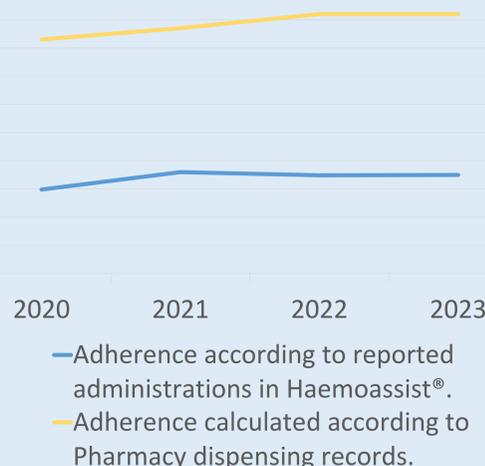


## RESULTS



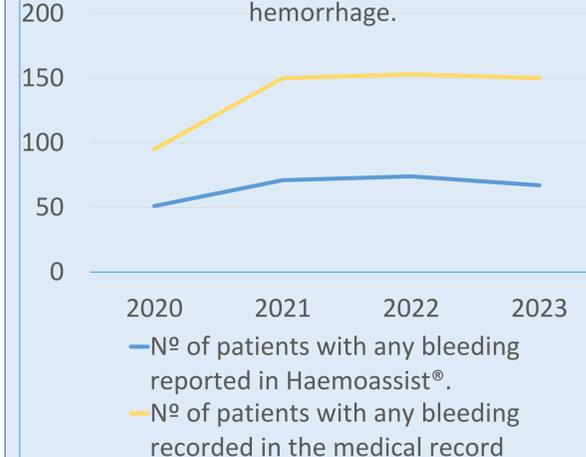
190 patients used the app on some occasion during 2022 compared to 128 patients in 2020.

Evaluation of the quality of the data entered in Haemoassist by comparing the calculated adherence



In 2022, the median adherence achieved by the 190 patients, according to the app, was 8% and the Interquartile Range:0-57% and according to the Pharmacy Service dispensations was 92% (IR: 77 -99%). The degree of concordance between the two calculation methods was 18%. In 2020, concordance was 9%.

Evaluating the quality of data entered into Haemoassist by comparing the number of patients experiencing hemorrhage.



Of the 190 patients using the app in 2022, according to the hospital's medical records 153 of them had a bleeding episode, but 74 reported their bleeds in the app. 48% of patients reported their bleeds in the app in 2022 versus 54% in 2020.

## CONCLUSIONS

The number of patients using the app has been increasing.  
The quality of patient-reported data is slowly improving.

