The average decrease in the stock's value observed after modification of inventory management mode is 38%. The difference between the averages observed before and after this change is significant. At alpha risk = 5%, and the assumption that the value of the stock is significantly lower when the Pareto law is taken into account is verified. Order's cost was evaluated at €60 per an order. Before implementation of the monthly calendar grouping of the same laboratory in a single day, the average number of monthly orders was 258 orders. Then the average number of monthly orders has decreased to 202 orders. The average monthly cost of placing an order has been reduced by 3360 euros thanks to the monthly order calendar.

**METHODS**

Drug orders previously placed when safety threshold was reached were grouped by laboratory. A monthly schedule of laboratory orders has been published so that high-cost drugs are processed at the beginning of the month. Quantities ordered make it possible to obtain a stock equivalent to 1 month of consumption. Stock's value was evaluated with MAGHZ® management software retrospectively over the first 5 months of the years 2017 and 2018. During the same period, monthly orders made were evaluated. We performed a statistical test comparing stock value averages before and after management change. We compared overall cost of placing orders before and after this management change.

**RESULTS**

The purpose of this economic study is to determine which inventory management model is the most economical.

**DISCUSSION**

The change in inventory management has allowed us to improve our practices. The implementation of this new mode of operation has been slow to set up. High-performance computing tools could have enabled us to perform this work using inventory management software, however computer flow problems were diagnosed, making it impossible to set up ordering recommendations. In addition, the decrease in the value of the stock can also be explained in part by a decrease in the hospital's activity. Meanwhile, we find that financial immobilization attributable to the pharmacy stock is stabilized during the year 2018.

**CONCLUSION**

This inventory management method has enabled our Domestic Pharmacy to reduce the cost of holding stock, limit the number of stockouts at Pharmacy, and reduce the overall cost of placing orders. It would be interesting to complete this study by accounting for the reduction in billing time resulting from the reduction in the number of invoices.