

1. INTRODUCTION

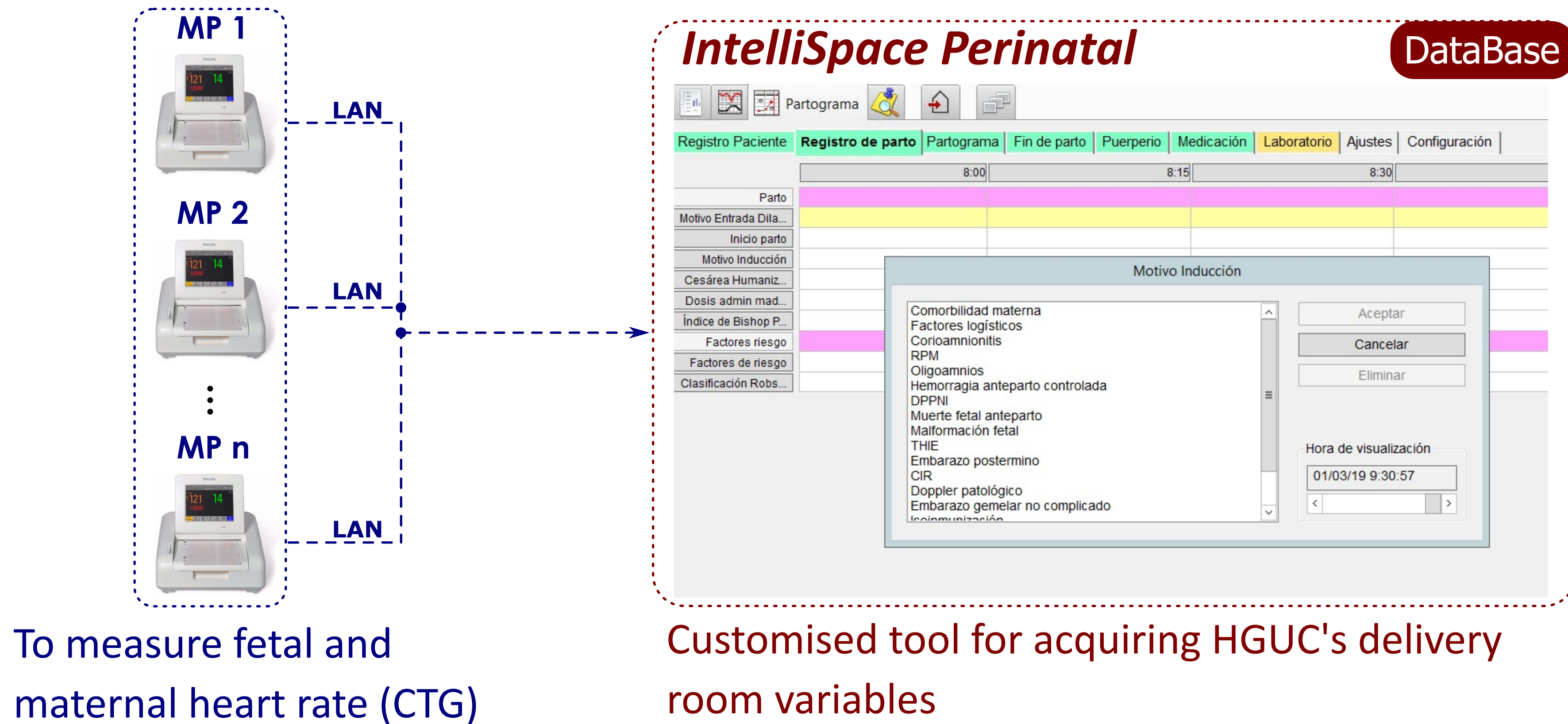
- Technology plays an essential role in our daily habits. In fact, technology-based applications that support clinical decision-making are emerging frequently (1, 2).
- Hospital General Universitario de Castellón (HGUC), Spain and R&D department of Dextromedica have designed and validated a dashboard in Qlik sense where all variables involved in a delivery room can be visualised.

2. OBJECTIVE

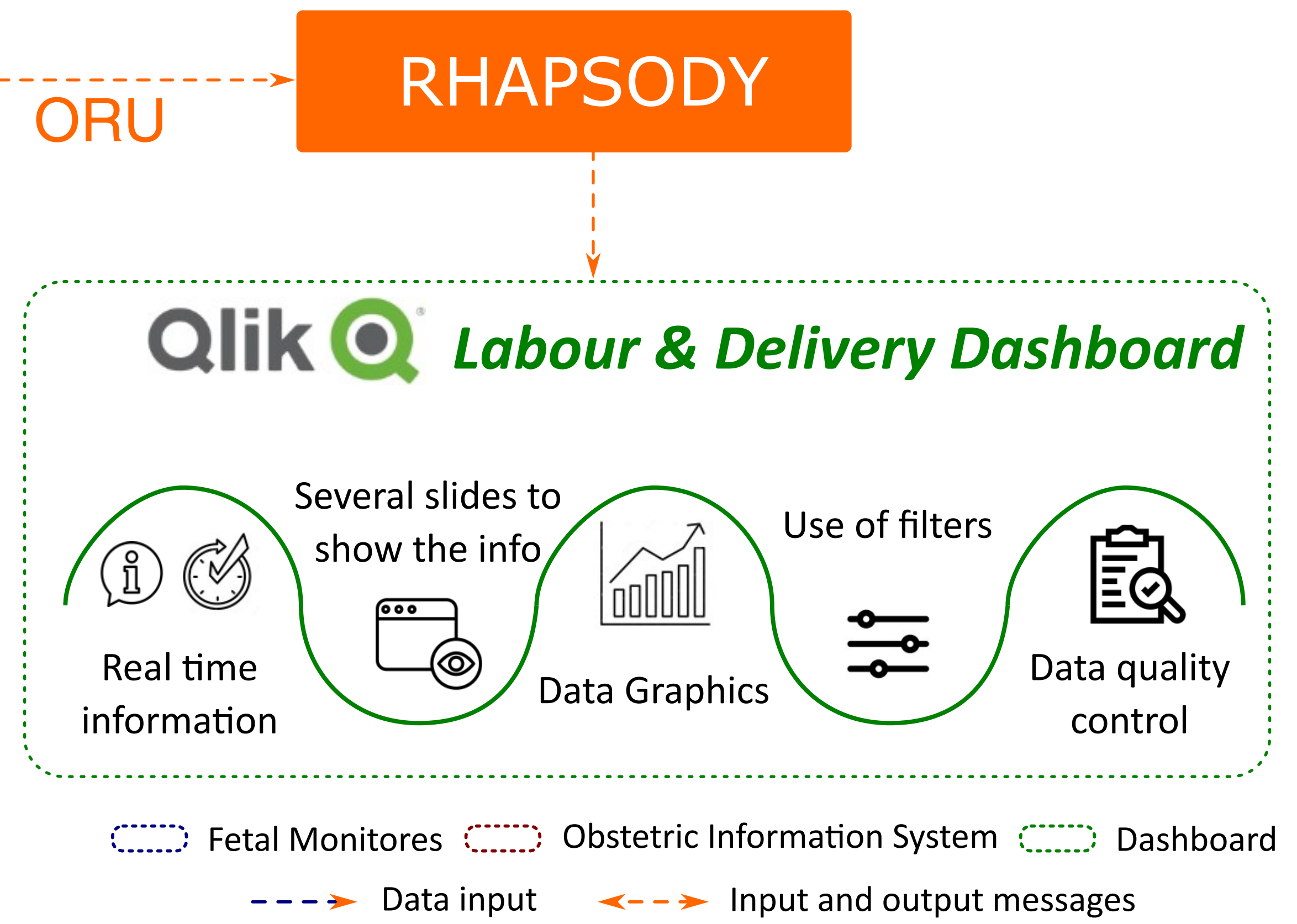
- To show how technology has a positive impact on clinical indicators, as cesarean or episiotomy ratio.
- Besides, thanks the Robson report table, dashboard can be used as clinical decision support

3. METHODS. DATA ACQUISITION

Fetal Cardiotocographs

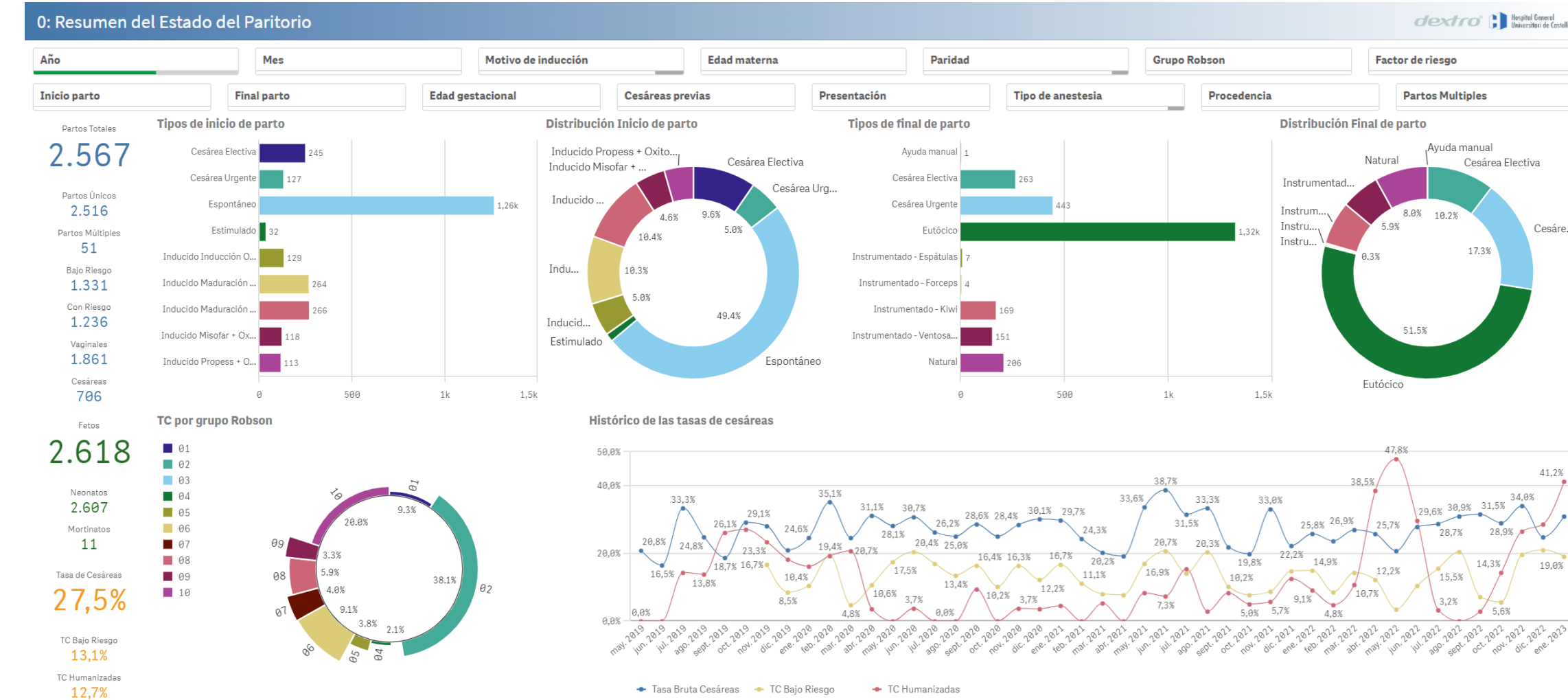


Integration engine that creates the structured database for dashboard operation

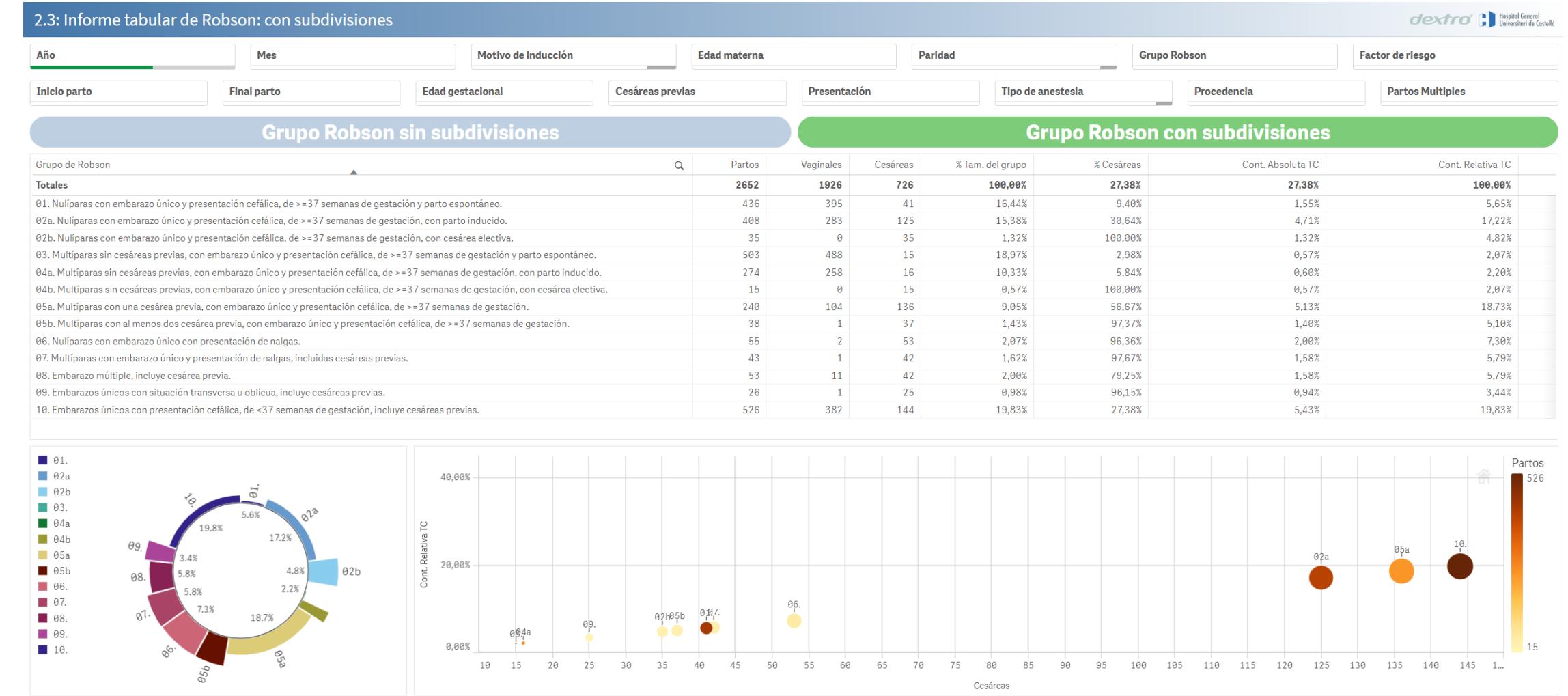


4. RESULTS

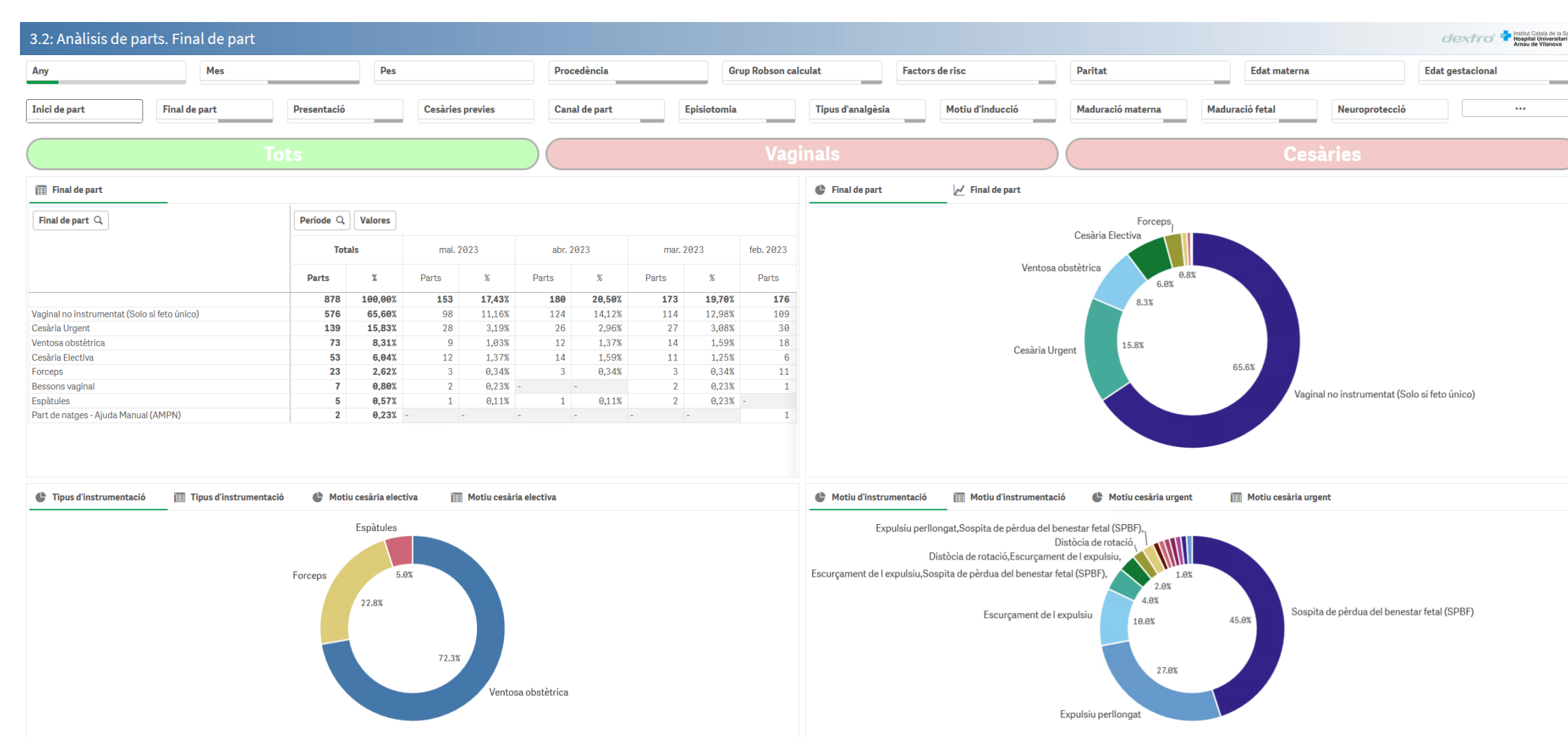
Summary of overall delivery status



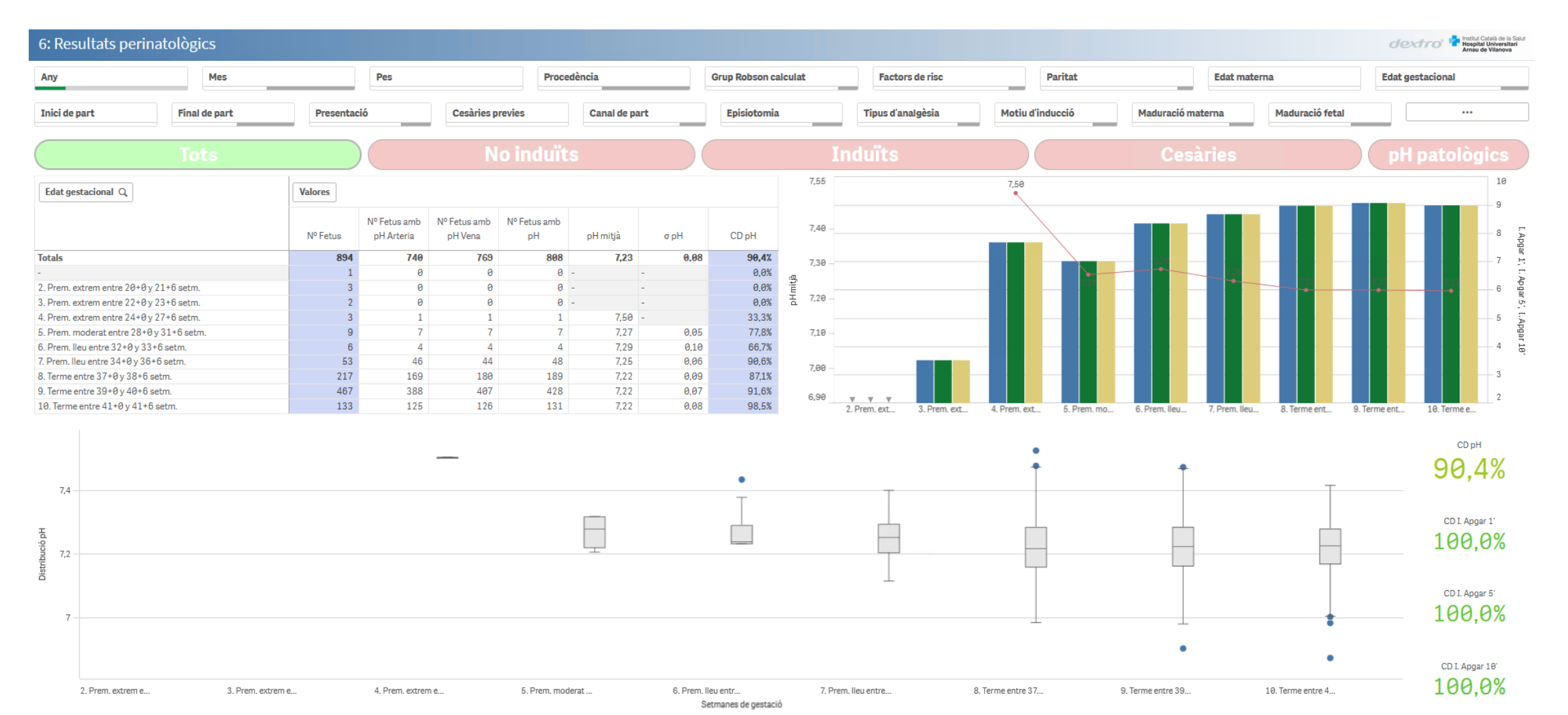
Robson Report table



End of delivery



Perinatal Results



5. CONCLUSIONS & DISCUSSION

- The time to obtain all kPI was reduced in 250%.
- Graphics allowed to observe what variables had more influence in the cesarean and episiotomy ratio. These ratios decreased by 10% and 15%, respectively.
- Due to human beings receive the most information from the sense of sight, the best way to treat and analyse the data is with a good dashboard.

- Avoiding free text input will lead to more reliable and standardised data collection for representation.
- This dashboard wants to be a starting point to build a more complex tool which will be able to make predictions and plan better the L&D.

BIBLIOGRAPHY

- (1) Flecha-Lescún, J. et al, *Transl. Vis. Sci. Technol.*, Oct. 2020
- (2) Quiñones, D.R. et al, *Materials*, Ago. 2018