

# HFBI – WS4 – BA/BI WORKFLOW SUMMARY

13.10.2021

**AVAILABLE IN THE LMS AS A VIDEO (SERIES OF 3 CLIPS) TOO!**



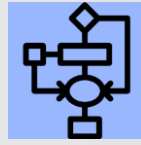
# TERMINOLOGY

## BA (Business Analysis)

Business analysis **identifies**, with respect to the mission and vision, both the **business and solution requirements**. Business requirements tell **what the business wants**. Solution requirements tell **how the business requirements can be met**. Business analysis is **technology-independent**.

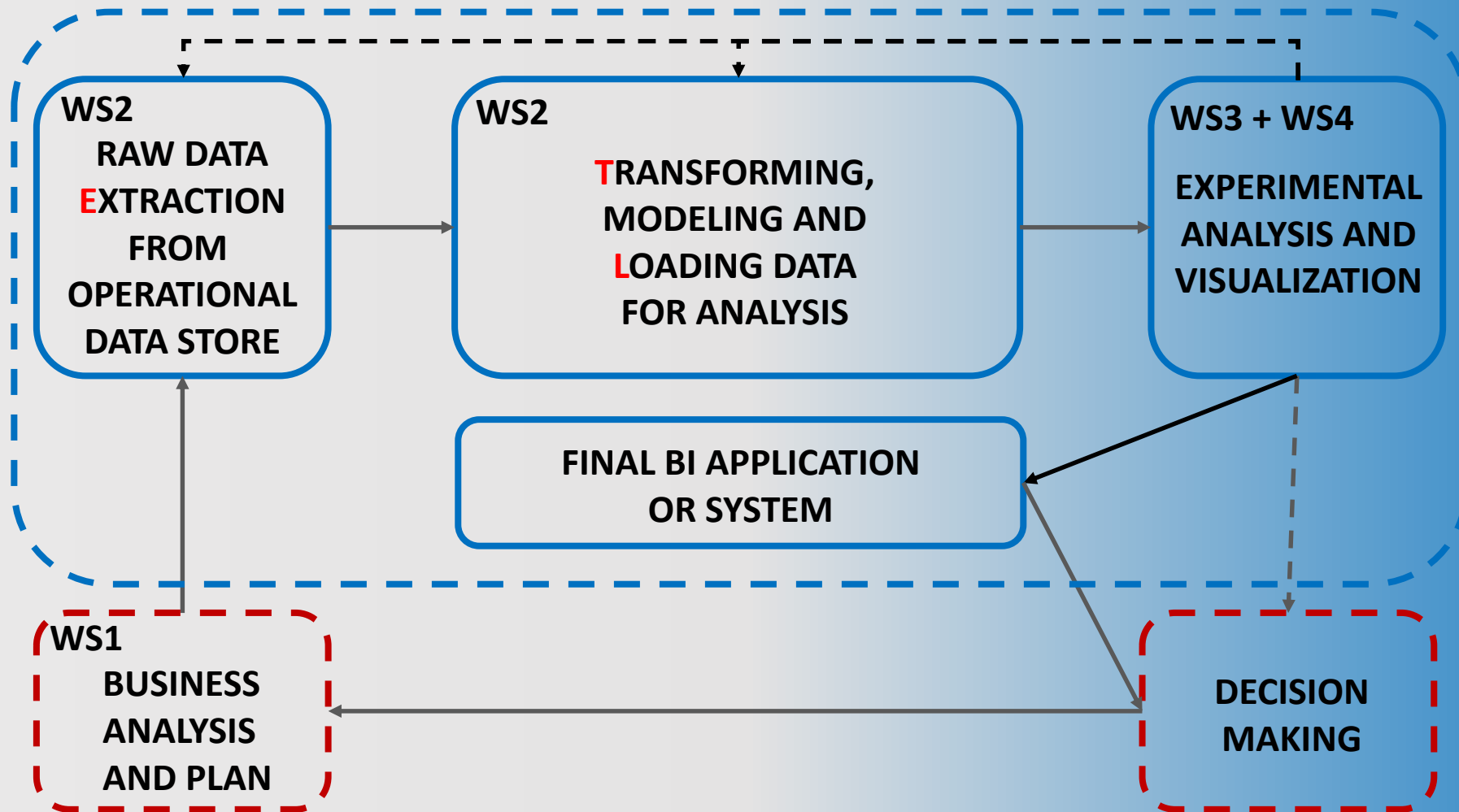
## BI (Business Intelligence)

**Collection, integration, analysis and presentation of business information by using related technologies and applications**, in order to support business analysis and decision making. Accordingly **BA must happen before and parallel to BI**. Business information refers to **all information about the business activities** of an organization (in our case a health facility).



# WORKFLOW

## BUSINESS INTELLIGENCE

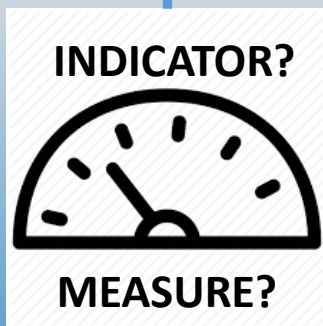


# KPIs – AND CHALLENGE OF OPERATIONALIZATION



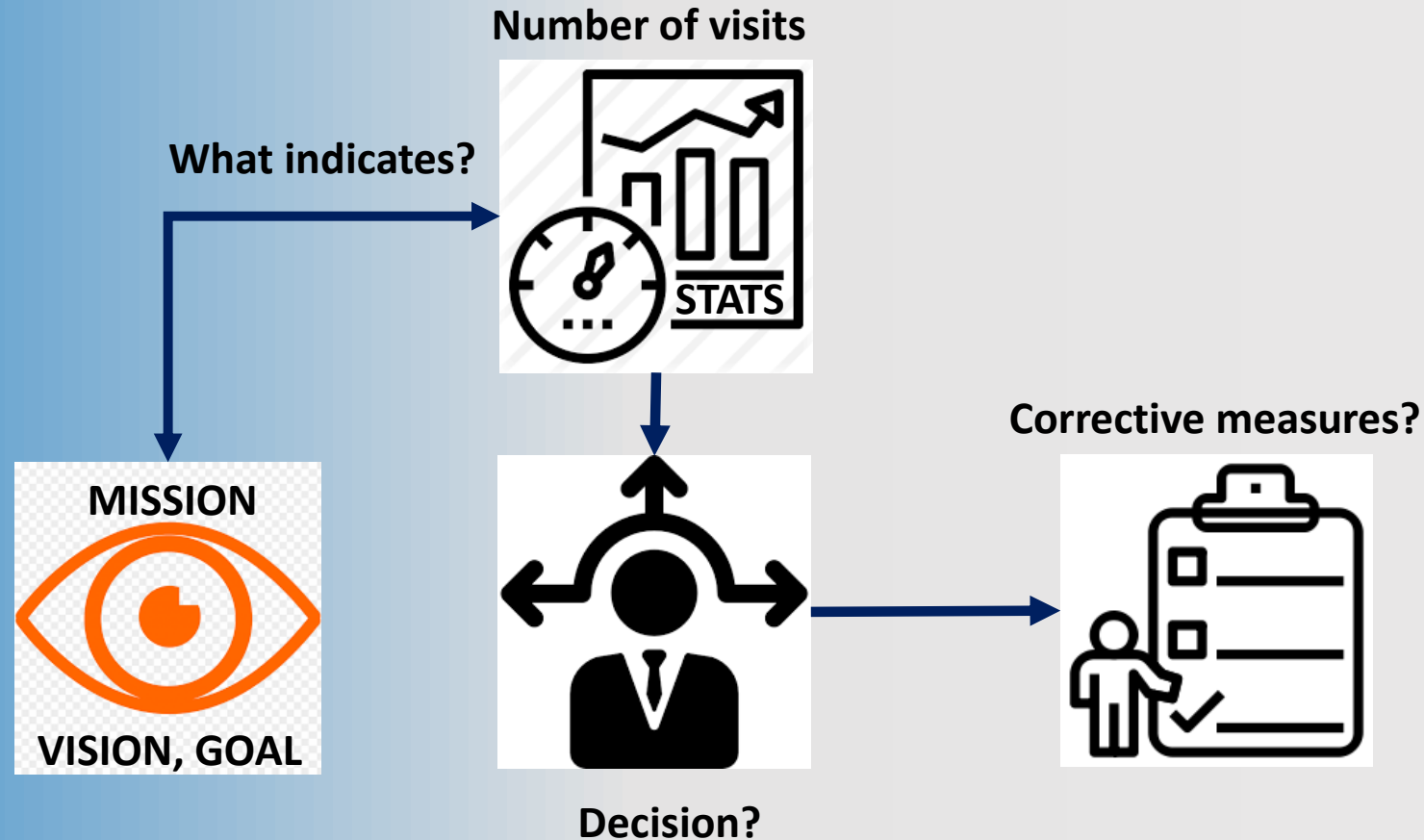
To be a prominent or even the best provider of positive and patient-centric quality healthcare experience in the country.

To excel particularly in following specialities: pulmonology, internal medicine and dermatology.



????? ....

# CANDIDATE INDICATOR– GOING UP- AND DOWNSTREAM





# DATA SOURCES

## INTERNAL



HIS/ERP



MTUHA

## EXTERNAL



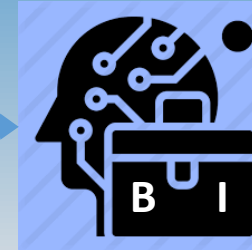
DHIS2



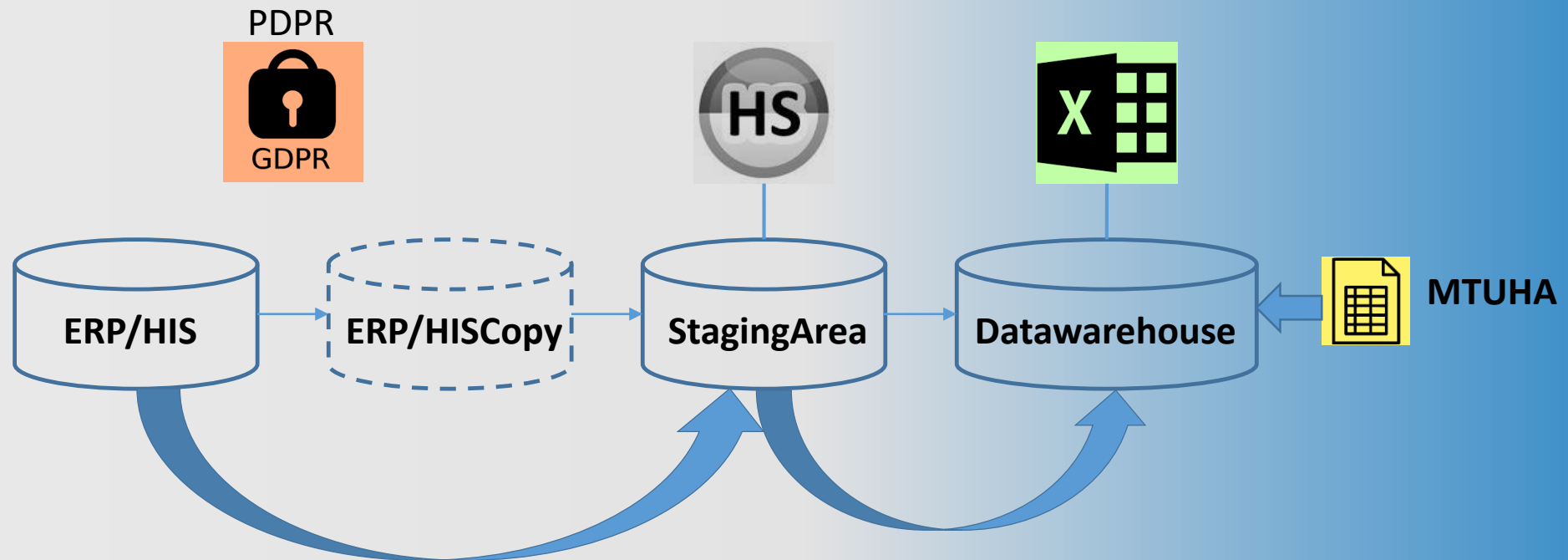
WHO

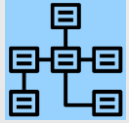


OTHER SECTORS

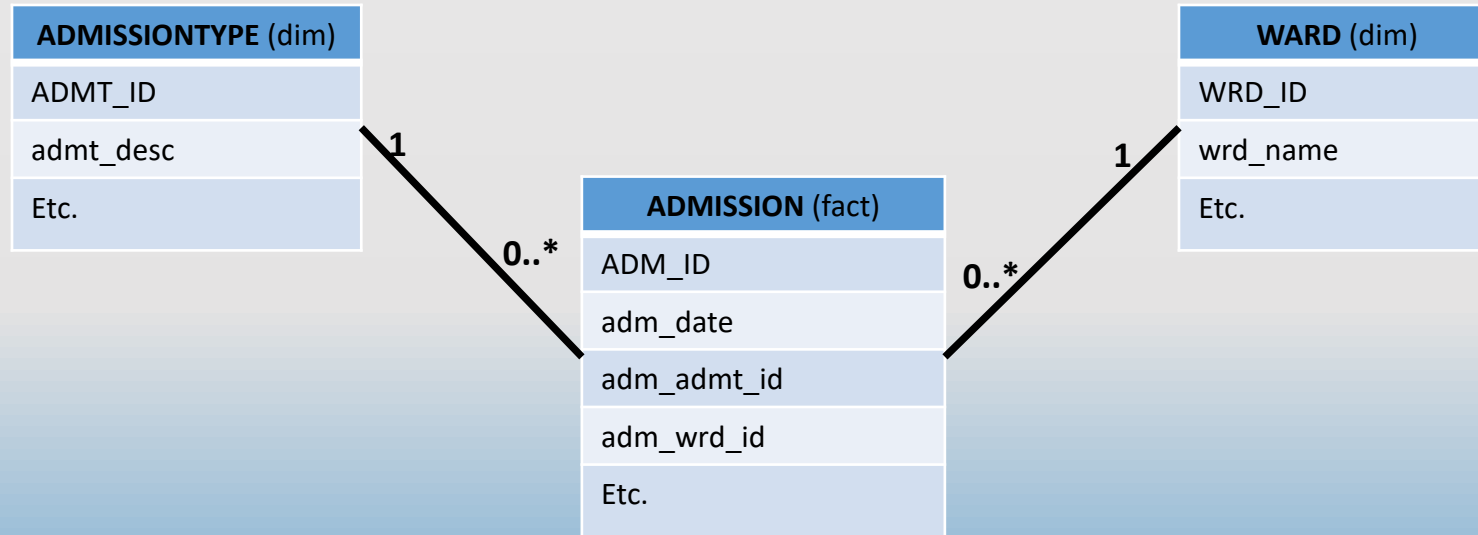


# ETL DATA STORES





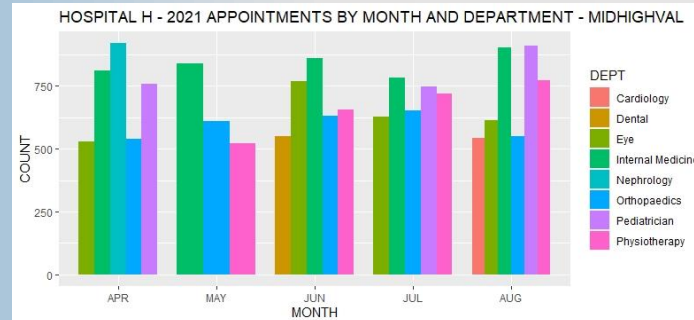
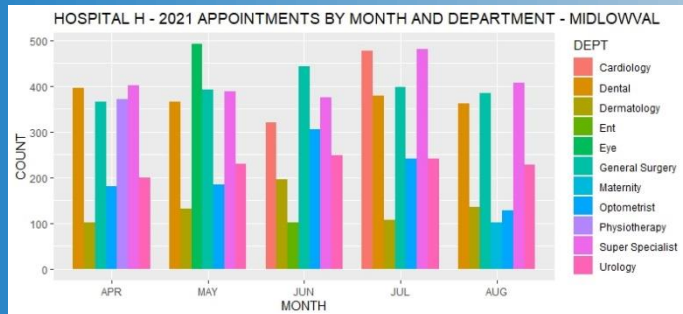
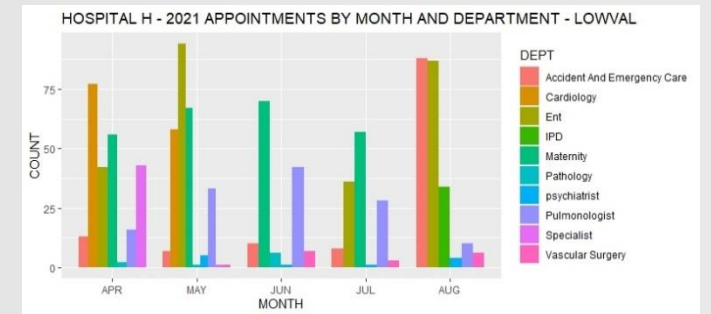
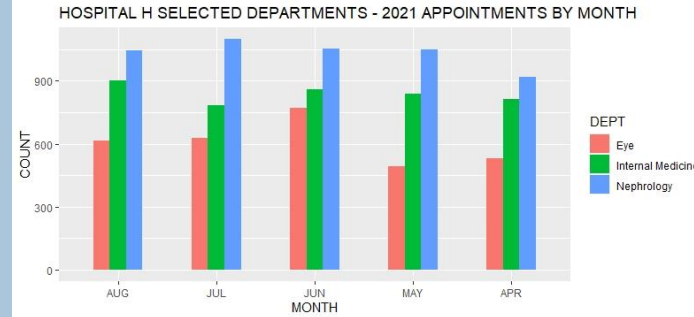
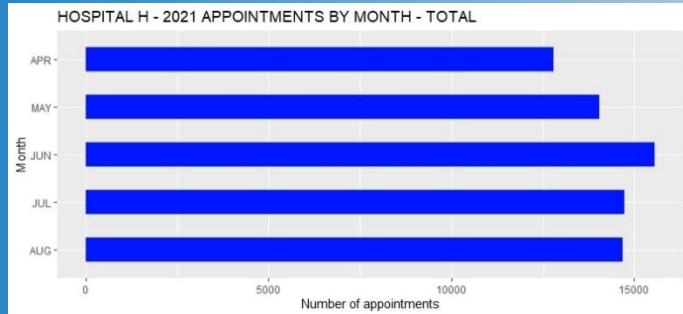
# DIMENSIONAL STAR SCHEMA





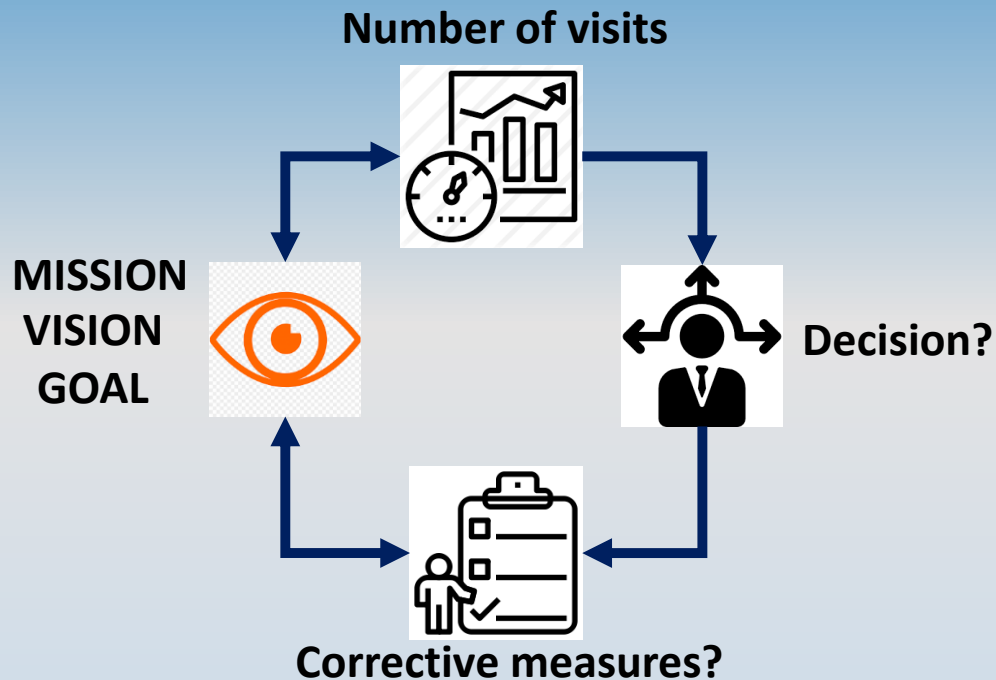


# VISUALIZATIONS OF BI ANALYTICS





# DECISIONS AND ACTIONS

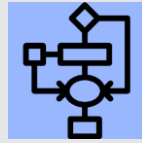


Vision of the facility: “to be a prominent provider of sustainable and positive patient care experience”.

It is worth to look more closely at the business processes of highly visited departments and to develop them patient-centric, because that would make a positive impact at once to a high number of patients

Goal of the facility: “to excel particularly in pulmonology, internal medicine and dermatology”.

Pulmonology is among the least visited departments, and dermatology in the mid-low value departments. Should the facility try to increase the number of visits? How to attract more patients? Or should it change the focus departments?



# ENDING THE PROJECT

## BUSINESS INTELLIGENCE

