

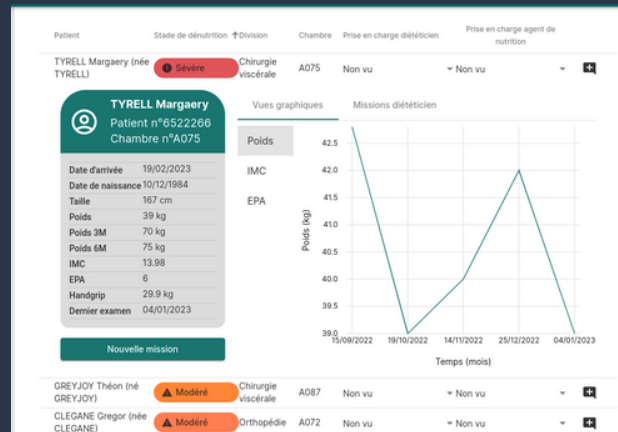
## MOTIVATION

Recent research has revealed that almost 50% of hospital patients suffer from malnutrition, which can result in delayed healing, increased risk of infection, and higher hospitalization costs. To tackle this issue, the Grenoble Mutual Hospital Group (GHM) has created a specialized nutrition department. However, to further improve the efficiency of this department, the team needed an automated tool to identify malnourished patients.



## CURRENT STATE

At the hospital, the medical staff uses a sheet to track the nutritional status of their patients. Every morning, the staff has to manually copy their patients' information from an internal hospital application and paste it onto the sheet. However, it is time-consuming and can significantly drain resources, taking away valuable time that could be spent on patient care.



## OUR SOLUTION

Our project aims to develop a web-based platform that automates the process of tracking patients' nutrition data freeing up medical staff's time and resources. By integrating with hospital electronic record systems, our platform will provide accurate and up-to-date information on patients' nutritional status. This will allow medical staff to prioritize their care accordingly.

## TO THE START UP ?

The web application is significantly more efficient than the previous spreadsheet used. However, this solution needs to undergo a thorough testing phase to ensure there are no bugs. Given that the application is designed for use in a hospital context, it is crucial that it be completely error-free. This presents a great opportunity to create a startup and maintain the application during the testing phase for a year. Once the application is deemed reliable enough by the client, it can be commercialized and completely replace the spreadsheet.



**NUTRIWATCH**



*Polytech Grenoble*



*Grenoble Mutual  
Hospital Group*

# A SOLUTION TO DETECT MALNUTRITION IN HOSPITALS

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