Feeding Dashboard Spec

# Overview

Many patients admitted to the Critical Care Unit (CCU) of a hospital can benefit from seeing a dietitian. However, this is not possible given the volume of patients and the resources available. Therefore, patients who would benefit the most need to be prioritised. These include patients who are sedated and are received external feeding or undergoing certain procedures such as a renal replacement therapy. The patients’ condition is continuously monitored by collecting various physiological measurements. A machine learning algorithm takes these measurements and recommends whether a patient should be referred to a dietitian.

CCU staff need to be able to see a list of all patients that are admitted in the CCU at any time with patients who should see a dietitian flagged. The various physiological measurements of the patients should also be displayed in the dashboard.

A csv file will be provided as a sample dataset that the dashboard should be able to handle.

# Requirements

The dashboard should be able to:

* Show a list of all patients admitted in the CCU.
* Show a filtered list of patients who should be referred to a dietitian.
* Flag all patients that need to see a dietitian.
* Allow the user to upload a list of all the patients admitted in the CCU as a csv file.
* Visually show individual patient data.
* Generate reports showing an overview of the various patient data in the form of tables as well as graphs.
* Run on different platforms such as Windows, Mac and Linux. You can use a framework such as Electron to develop the app.

# Description of the csv file

The csv file has several different fields. The fields represent various physiological measurements of the patients; on the basis of which the decision of whether to refer a patient to a dietitian is made. The *referral* field indicates whether a patient has been referred or not.