INTRODUCTION

Patients are admitted into the Critical Care Unit (CCU) in a hospital and many of the could benefit from seeing a dietitian. This may not be possible due to the high volume of patients and minimal number of resources provided. Due to a high volume of patients, it is easy to neglect other patients and some patients do not receive the care they deserve. To handle this problem, we are working on a project to create a system that prioritises patients based on their physiological measurements.

The aim of this project is to create a system that makes this possible and easier, to prioritise and ensure patients who need to see a dietitian can see one. Patients’ conditions are monitored, and data is collected, using the collected data the system decided which patient is to be flagged (flagged patients need to see a dietitian). This system displays a list of all the patients in the CCU, and filters the patients based on different categories (physiological measurements). This system is accessible to the CCU staff, they can add, edit and update patient details on the system. To help understand the patient’s condition the system generates reports on the patient, this reported is generated is an overview of the patient’s data and is displayed using tables and graphs. To ensure patient’s data is safe, there is limited access to the system, and only those authorised can access the system and the data stored in it.

Many patients would benefit from this system as those who need urgent care will be prioritised and receive the care they need, the patient’s condition is continuously monitored and updated in the system. With the use of this system, improvements and changes in patients can be monitored, and if patient condition does a change the staff will be notified.