

## AURA MIND

A staggering 1 in 6 people in the UK are affected by depression and with around 4.5 million adults in the UK who are treated mild or moderate mental health conditions, more resources are needed to meet the needs of this growing demographic of patients. Current infrastructure is insufficient in meeting the timely needs of patients with mental health issues as queries and additional support between treatment are not met.

The solution we propose is to implement a mental health assistant as a web-based application with important Primary Care Network (PCN) services catered to the patient.

Should this period be insufficient, patients can chat with the Artificial Intelligence bot Aura Mind. Aura Mind response will be based upon a few data bases to ensure a clinically precise recommendation. The data bases consist of professionally curated mental health resources, the patient's personal health records (current prescriptions, past conditions, allergies etc) drawn from FHIR data banks and doctors' notes on the patient. Aura Mind will be able to determine self-harm and suicidal tendencies, alerting the patient's PCN and sending the patient crisis helplines in the meantime.

Data is collated and collected by Aura Mind through the chats and patient diaries and a weekly summarised report on the patient's wellbeing is generated for their PCN to review and follow up. This will allow for mental healthcare providers to have access to more information on the patient over time and allow for easier exchange of information between the PCN.

Additionally, it also has a separate section where the patient can explore some general wellness content, including routine building and how to maintain a healthy diet.