



# Choosing the right mental health care within personal and cultural context

The Hartree Centre has helped SME Oh My Mood to build a multi-lingual digital application called *Context* to assist healthcare providers in monitoring and treating mental health conditions.

## Challenge

In healthcare, language barriers can exclude many individuals from screening and treatment, while cultural and contextual factors can influence assessment outcomes. The COVID-19 pandemic only reinforced the demand for remote care and accelerated the use of digital tools to care for mental health. Oh My Mood develops innovative healthcare pathways, aiming to contribute to affordable and futureproof mental healthcare. The company sought to develop an inclusive and personalised digital assessment tool to support healthcare practitioners with assessing their service users living with mental health difficulties. The tool had to be culturally and contextually smart, easily accessible, widely employable, adaptive and comprehensive.

## Approach

Funded by the Science and Technology Facilities Council (STFC) Bridging For Innovators programme and LCR4.0 START, Oh My Mood collaborated with the Hartree Centre to streamline and integrate the patient journey by building an application which could host services such as mental health questionnaires and provide recommendations for tools and techniques they may benefit from. The team prepared the app for regulatory approval as a medical device, ensuring data was secure and anonymised and developed secure login systems with varying user privilege levels. The Hartree Centre also helped the company to experiment with expanding language availability for the app (currently Dutch and English) to identify and solve potential issues e.g. how to accommodate languages that don't read left-to-right.

## Benefits

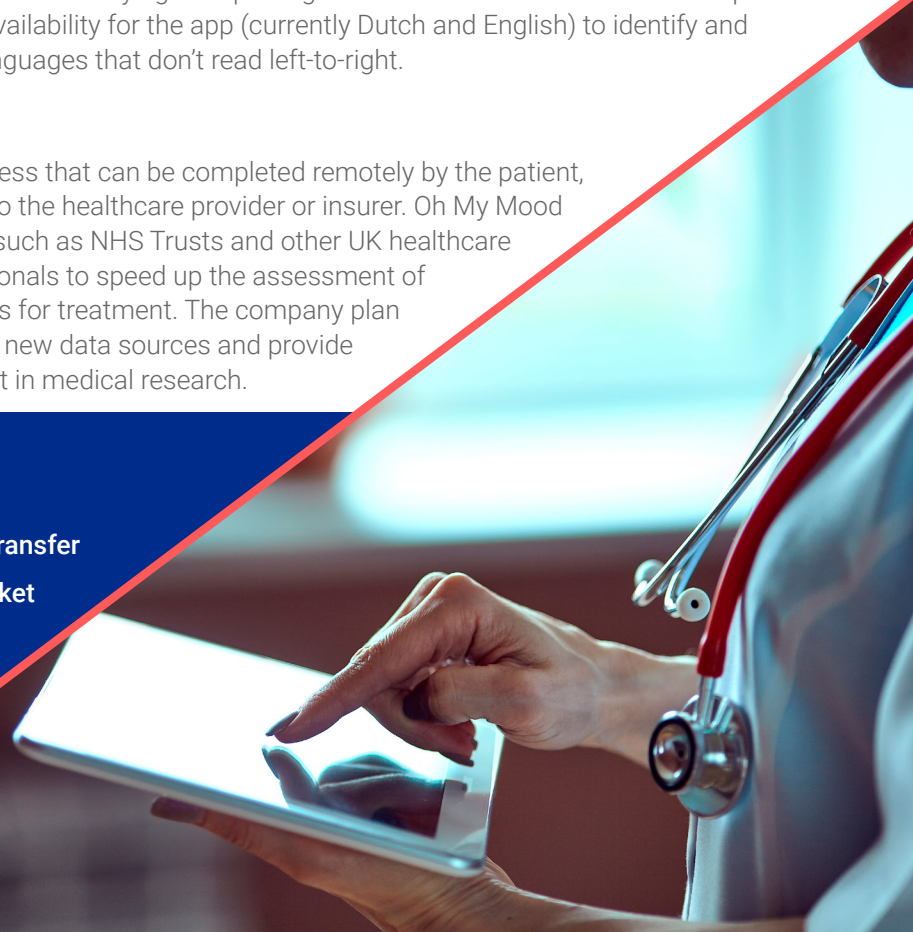
The app will streamline parts of the healthcare process that can be completed remotely by the patient, reducing waiting times for patients at a lower cost to the healthcare provider or insurer. Oh My Mood aims to expand into new markets with this service, such as NHS Trusts and other UK healthcare providers, augmenting the work of medical professionals to speed up the assessment of patients and make more accurate recommendations for treatment. The company plan to continue extending the app's capabilities, bring in new data sources and provide additional insights to aid decision-making and assist in medical research.

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Thanks to the Hartree Centre we were able to transfer a very limited scientific tool into not only a market ready tool, but also into an incredible solid base for further innovation towards personalized mental health care.

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Pauline Post  
Oh My Mood





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The Hartree Centre has catapulted Oh My Mood towards the next level of innovative products within mental health care. The expertise and input of the STFC team have been of invaluable worth.

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Pauline Post  
Oh My Mood

## At a glance

- New digital app developed to assist with remote mental healthcare
- App augments the work of medical professionals
- Could help reduce waiting times for mental healthcare treatments
- Prepared the app for regulatory approval as a medical device
- Ensured data was secure and anonymised
- Enhanced product offering and potential to access new markets

## Who we are

- 70+ computational scientists and technologists
- World-leading supercomputing and AI infrastructure
- Bespoke small teams built around your project
- Tailored business development support
- Access to our network of industry, academic and technology partners

## What we do

- Boost productivity and enhance innovation for industry
- Big data analytics and artificial intelligence (AI)
- High performance computing and quantum simulation
- Training and skills development
- Insights into future technologies



Credit: STFC Hartree Centre

## Our impact on UK industry and society

The Hartree Centre was created by UK Government to help businesses and public sector organisations accelerate the adoption of high performance computing (HPC), big data analytics and artificial intelligence (AI) technologies. We play a key role in realising UK Government’s Industrial Strategy by stimulating applied digital research and innovation, creating value for the organisations we work with and generating economic and societal impact for the UK.

The Science and Technology Facilities Council (STFC) Hartree Centre is part of UK Research and Innovation.