

## HealthTech NETZERO Case Study

### Neuhealth - Modelling the Carbon Footprint of a Novel Digital Innovation Reducing Unnecessary Journeys



#### The Changing Landscape

As a result of 60+ countries globally pledging to create sustainable, low-carbon, or NetZero carbon healthcare systems by 2050, organisations are increasingly required to articulate the environmental impact of the technologies they supply to customers and healthcare systems.

#### The Challenge

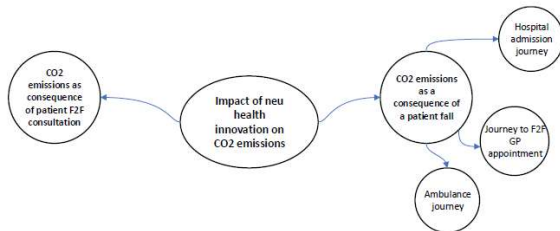
The Challenge Neu Health, a spin-out company from the University of Oxford developed a digital platform for people with Parkinson's and dementia. The innovation facilitates patient empowerment and enables clinicians to close the care management and data gap between clinic visits, as well as reduce unnecessary journeys for both patients and healthcare professionals. The company required a carbon-impact model to show its environmental impact in line with the NHS zero carbon reduction plan.

#### Our Approach

Health Tech Enterprise evaluated the potential CO<sub>2</sub> equivalents from journeys made by patients and healthcare professionals while also taking into account the carbon footprint of the innovation itself. An extensive decision analytical model was built to compare the CO<sub>2</sub> emissions of current care with the CO<sub>2</sub> emissions of care using the innovation. Uncertainties were accounted for using probabilistic sensitivity analysis.



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### The Outcome

The CO<sub>2</sub> emissions analysis showed statistically significant carbon savings delivered primarily via a reduction in unnecessary journeys that would be potentially achievable through adoption of the innovation.



**“This work has helped us show the positive impact the Neu Health platform has in supporting the NHS net zero commitments”**. Caroline Cake, CEO, Neu Health

### About Health Tech Enterprise

Our business and innovation management services support healthcare innovators throughout the product development journey, from concept to commercialisation and final roll-out.

We offer healthcare market and health economics insights and evaluation, as well as regulatory, business and IP advice and management. We also advise on strategic market access, support with securing funding and deliver training and entrepreneurship services.

Our experienced team has partnered with more than 180 technology companies from around the world, to successfully develop, commercialise and market their health technology products for the UK and international healthcare systems.