

improving Service Access using Virtual Exposure (iSAVE)



The Team









Innovate UK



The Problem



Missed scans due to anxiety cost the NHS £23M annually and lead to poor outcomes

Our Solution

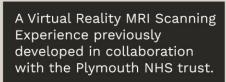
Psych-Adaptive Virtual Environments - Intelligent software that indexes anxiety levels through eye-tracking.



Strengthen AI model with additional data

Integrate model into a VR-compatible plug-in

Refine precision and response time







Improve realism and accuracy of the MRI environment

Inclusion of additional experiences (e.g. waiting room)

Develop mechanics for adaptations



Exit MRI

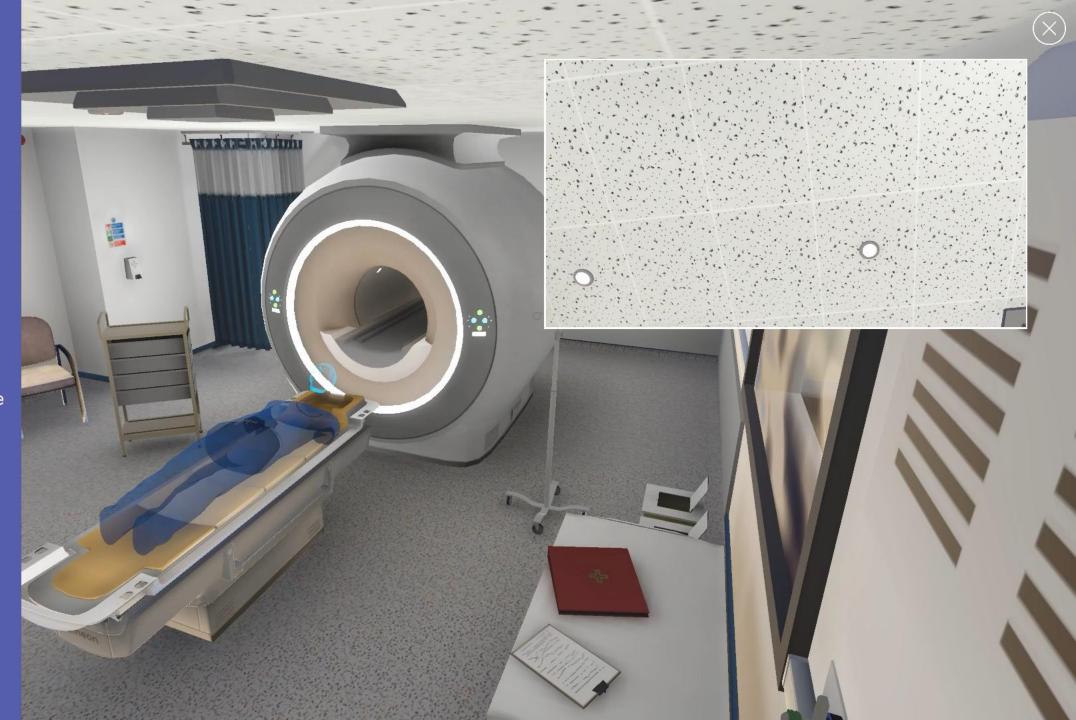
Toggle headrest

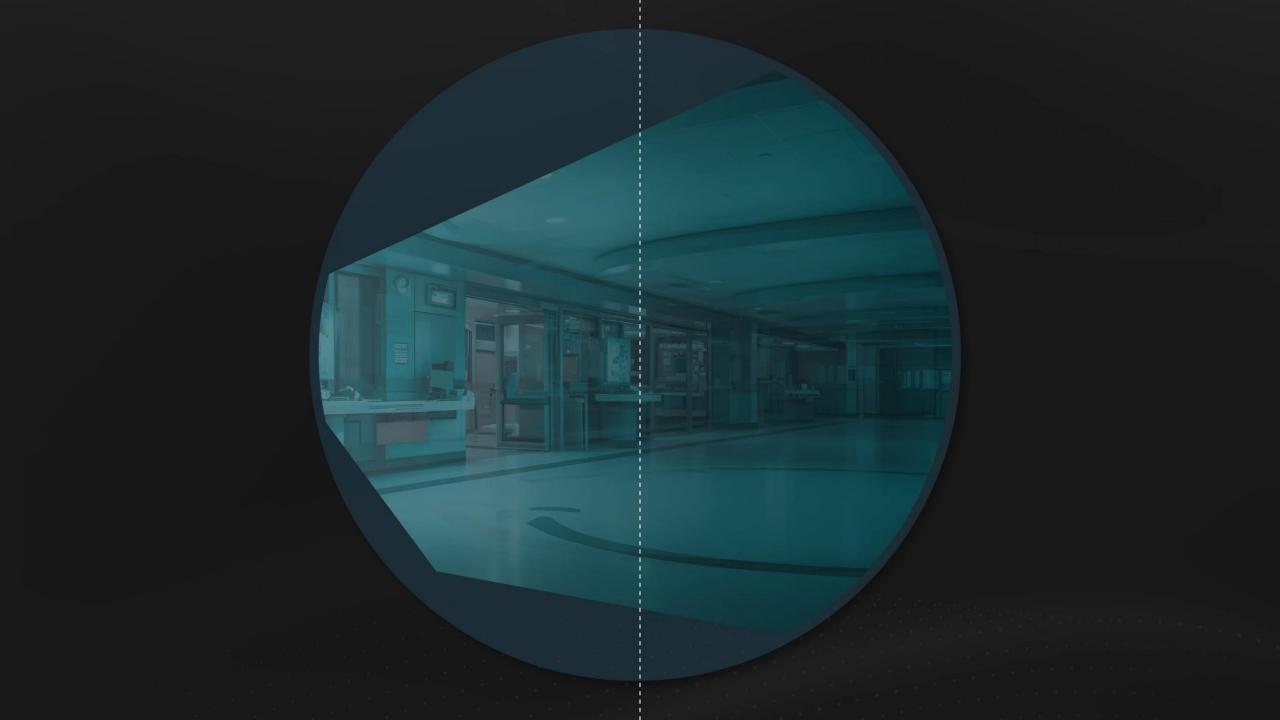
Monitor stillness

Toggle questionnaire

Reset position











Eye tracking

DECISION MATRIX



Heart rate



Questionnaire



Observer





Key Learning

How 'Future Proof' is our chosen platform?

How do we make experiences accessible to all?

What constitutes research and when do we need ethics?

How do we engage with busy hospitals and staff?









Support Needed

- **1. <u>Volunteers</u>** to help us develop and test the iSAVE software (user Focus Groups) and PAVE AI (Gold Data)
- **2. Case Studies** i.e. other clinical or health applications that can be augmented with the PAVE AI.
- **3.** Expertise to help bring iSAVE to market, especially in Medical Device regulations and clinical risk assessment.







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