

Mindset XR Roadshow Event



Welcome!

Chloe Blewitt & Jill Owens

Housekeeping



Fire Alarm/Fire Exits



Toilets



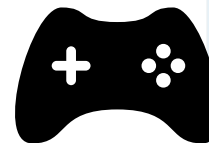
Refreshments



Wi-Fi



Name Badges



Demo Sessions

10:00-10:10	Welcome	Chloe Blewitt & Jill Owens
10:10-10:30	An introduction to the Digital Health & Care Innovation Centre (DHI) & the Digital Mental Health Innovation Cluster (DMHIC)	Joanne Boyle
10:30-10:50	Why trustworthiness, ethics and inclusion matters when using AI	Steph Wright
10:50-11:15	Abertay University Introduction	William Kavanagh
11:15-11:30	Comfort Break	
11:30-11:45	Mindset XR Programme Update	Jane Guest
11:45-12:05	Procurement in Scotland	Gary Robinson
12:05-12:25	Gamification in Healthcare	Brian Baglow
12:25-13:25	Lunch	
13:25-13:45	TendVR: Keynote Speaker Session	Matthew Hoad Robson
13:45-14:05	XR Regulations	Paul Chapman
14:05-14:30	Panel Introduction	All
14:30-15:30	Panel Discussion	All – Chaired by Joanne Boyle
15:30-15:35	Closing Remarks	Chloe Blewitt
15:35-17:00	Networking & Demo Sessions	



Innovate
UK

Mindset XR Programme: 2022 – 2027

jane.guest@iuk.ukri.org

Innovation Lead

Healthy Lives Aim

“Helping people to live well throughout
the life course in mind and body.”



Image: Freepik



Scene Setting

- Aim
- Approach

Mindset: Tackling a key societal issue

- Inspired by XRHA paper 'Growing value of XR in healthcare'

Key Findings from NHS England Survey, 23/24:

- 1 in 5** (20.2%) adults (over 11.5 million) in England had a Common Mental Health Condition (CMHC)
- Young people** were more likely to have an CMHC than older adults with prevalence in 16 – 24 yr olds rising to 25.8%
- Prevalence of **severe MHCs** has also increased by 11.6%
- Prevalence of CMHCs is **higher in the most deprived areas** (26.2%) than in the least (16.0%)
- Yet only **44.6%** adults are receiving treatment*
- Increasing demand + not enough clinicians = digital opportunity

UK-WIDE ISSUE

Nation	Prevalence (Adults, %)	Treatment Rate (% of those with condition)
England	20.2% (16–64, 2023/24)	43.5% receiving treatment (2023/24)
Northern Ireland	18–26% likely affected	40% of diagnosed cases received treatment
Scotland	11.3% (long-term condition, 2022)	Approx. 20% on antidepressants
Wales	~16.7% current; ~25% lifetime	No specific rate available

KEY OUT-TAKE
20 – 25% UK population have a MHC and not even half of them are being treated
www.healthinnovationnenc.org.uk

Addressing with a holistic approach

Overall Programme Budget £20m

Delivered 3 Workstreams, 2022 – 2027:

1. Grant funding for **Collaborative R&D** projects, inspiring partnerships between academia and industry
2. **Investment Partnerships** to boost government funding and stimulate future investment
3. Partnering with Health Innovation Network, South London to deliver the **Mindset XR - Innovation Support Programme (MISP)**, to optimise results by stimulating:
 - Knowledge sharing (**expertise**)
 - Networking and collaboration (**partnerships**)
 - Adoption and scale (**connections**)
 - *Supports both projects and the wider ecosystem to deliver maximum economic and social impact*



Image: Play Well For Life

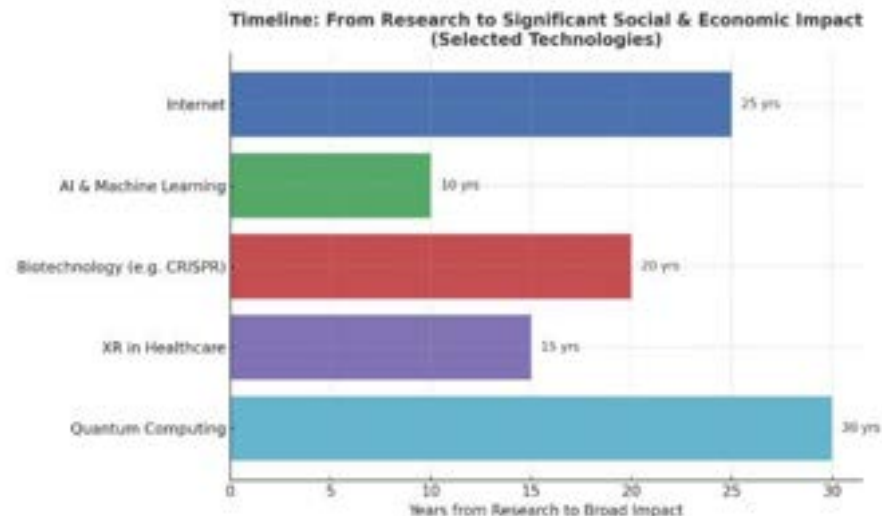


Delivering Impact

- Impact Timeframe
- Mindset
- Projects

Frame: From research to impact

- Many studies conducted
 - 10 – 20 years for broad tech impact
1. Griliches (1957, 1992)
 - Showed that new technologies often take **decades** before reaching widespread economic impact.
 2. Comin & Hobijn (2004, 2010)
 - Highlight that major technologies (electricity, telephone, computers) take **10–30 years** from invention to broad adoption across economies.
 3. OECD and World Bank reports
 - Emphasise that R&D and innovation investments typically take **10–20 years** before showing clear economy-wide benefits.



KEY OUT-TAKE

Takes 15 years for XR to deliver broad impact in healthcare, but 'we' are already seeing this!

www.healthinnovationnenc.org.uk

3 Years in, Mindset impact so far...

- Funded & supported 70+ UK wide SME led projects, including final cohort of 17
 - **30** Feasibility
 - **40** Industrial Research
 - **4** Investment Partnerships
 - **80%** projects address low social economic groups
- Stimulated ecosystem, growing no. of applicants
 - £3m MR1 – 2022/23: **46**
 - £3.2m MR2 – 2023/24: **103**
 - £3.6m MR3 – 2024/25: **136 (196% inc. over 3 years)**
 - £1.8m Investment Partnerships: **150%** inc. across 3 comps
- Innovation progressed from treating **wellbeing to SMIs**
- Over **63** additional jobs created across **32** projects reporting **£2.1m** private and further funding raised by **13** projects reporting
- High performance MISP achieving **NPS 9 and so much more!**





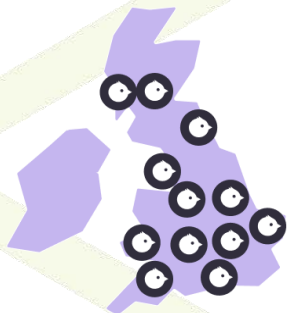
Products are Already Delivering Impact!

- First VR-MBCT course to be **deployed in the NHS – just three years** after their first study
- **First VR Researching, designing and delivering VR-based mindfulness based cognitive therapy (VR MBCT) to Mind service users across the UK**
 - On demand treatment with no waiting list
 - **EFFECTIVE >50% average reduction** in PHQ-9 (depression) and GAD-7 (anxiety) vs. 43% (classic 'gold standard' CBT) ¹
 - **ENGAGING >80%** treatment completion rates (vs. 68.2% classic CBT) ²
 - **59% reliable recovery** from mental health conditions in latest delivery (NHS target = 48%) moving from clinical to non-clinical level of treatment
 - **MR3 award**, focussing on Treatment Resistant Depression

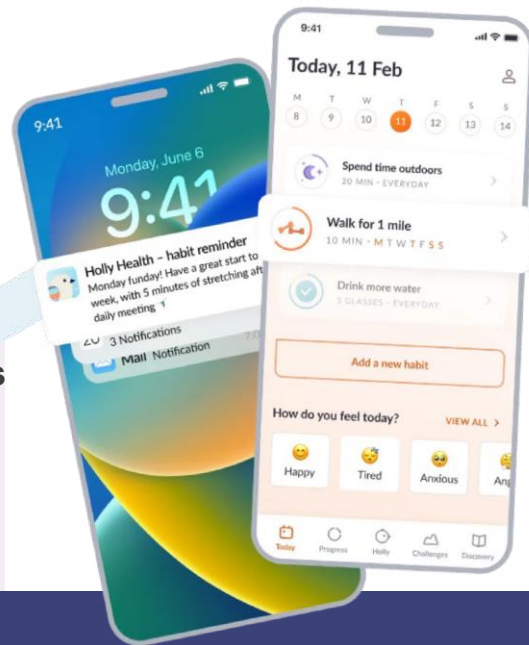
Image: TendVR



Wellbeing coaching, with compassion & intelligence



- Their digital service **supports sustainable mental & physical health habit changes** for a wide range of lifestyle risk factors and long-term conditions like **anxiety**, after extensive co-design with the public & clinicians
- Deployments have taken place with **200+ GP practices across over 18 UK regions**
- Holly Health has delivered personalised digital health & habit coaching to **70,000 UK patients**



Observed outcomes in primary care:

30%
reduction in GP
Appointments
(in high service users)

28%
improvement in
ONS-4 Wellbeing
(in people with low to medium wellbeing)

31%
increase in
Exercise Hours
(in people with low to medium exercise)

3.55mmHg
Average BP
reduction
(in people tracking BP)

>15x ROI
Estimated ROI
in ICS scale
deployments

And last but most definitely not least...

XR Therapeutics: New VR platform for accessible treatment of phobias and anxiety, self-harm & PTSD

- **7 NHS** trusts (took one and a half years to win first contract)
 - 2 charities
 - Multiple private insurance providers
 - Various services including adult and children mental health teams working in:
 - Prison and probation services
 - Education and CYP services
 - Neurodiversity and learning disabilities
 - Procedural and hospital settings
- The **first XR company to be commissioned by an ICB** and be included on the NHS Innovation Accelerator
- Health economics report shows savings of up to **£21,000 per 100 patients treated**, plus **7 QLYs** (quality-adjusted life years)



Featured in the NHS Long Term Plan for their work with Greater Manchester Mental Health Foundation Trust

“It was fantastic, extremely useful for the patient, they progressed so quickly in 2 sessions. I have a patient scared of heights, he went into the session with all those typical physical symptoms associated with anxiety and **what we did in 2 sessions here with XRT would probably have taken around 12 without.**”

- Laura, NHS Therapist

“XRT has changed my perception of how I view all my fears and anxieties and not just the specific phobia I have. **I was blown away by the process of the treatment and how quickly it worked for me.**”

– Patient, XR Therapeutics



Future Funding

- Context
- Shape
- Optimising Impact

How things are shaping up

Top-level UK strategy supports more investment in DTX for MH:

Government

- Economic growth central to Industrial Strategy, with Digital & Tech and Life Sciences being two of the 8 key UK growth sectors
- Health mission focus is on CYP mental health

NHS 10 Year Plan

- Analogue to Digital
- Hospital to Community
- Sickness to Prevention

Life Sciences Plan

- Enabling World Class R&D
- Driving Health Innovation and NHS Reform

- Making the UK an Outstanding Place in Which to Start, Grow, Scale, and Invest



Image: CrossSense Trial Participant

Catalysing innovation in mental health

Current thinking developed in Aug 24, will need to be reviewed and aligned where necessary to new strategy and SR priorities

- New 4yr programme with comps launching in **2027**
- Focus will be on DTx for mental health across the life course utilising creative tech + AI (if applicable & appropriate)
- Thematic areas: **Prevention**, Diagnosis, **Treatment**
- CR&D multi-strand comps:
 - Feasibility (TR 1 – 3)
 - Industrial research (TR 4 – 6)
 - Experimental design (up to TR 7, 8)
- Investment Partnerships comps, feasibility, industrial research, experimental design
- Contracts for Innovation (SBRI), industrial research (closer to market impact)



Image: MindTrack 360
(Formerly, Life Process Program)

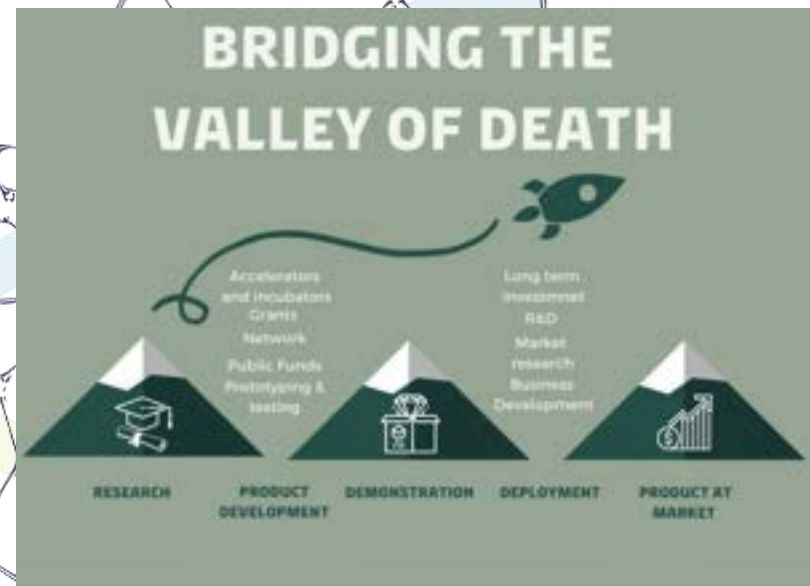


Using economic & social impact

A community approach, drawing on ecosystem expertise

- Looking at a UKRI **cross-council partnership** to run a comp focussed on behavioural and culture barriers to determine what's needed for **behavioural change** - to increase market adoption and stickiness
- Providing a **support programme** to help optimise project delivery and opportunities to drive adoption and scale (e.g., MISP)
- Partnering with an accelerator to help projects with the most potential to bridge the second valley of death

**AMBITIOUS CO-DESIGNED PLAN, DEPENDENT
ON STRATEGIC AND SPENDING REVIEW
PRIORITIES + BUDGET ALLOCATIONS...**
still an opportunity to shape – let's talk!



A person with long brown hair is seen from the back, wearing a white lab coat and a VR headset. They are holding a paintbrush and painting on a canvas mounted on an easel. Another person in the background is holding a smartphone, possibly recording. The scene is set in a workshop or studio.

**UK
RI**

**Innovate
UK**

Thank You

jane.guest@iuk.ukri.org

Learn more, search:
['MINDSET' @UKRI.org](#)

Search:
'Mindset XR Innovation
Support Programme'
to sign up to the newsletter

The Mindset-XR Innovation Support Programme

- Part of the Innovate UK Mindset-XR Programme, which aims to grow the UK's nascent extended reality (XR) in mental health sector
- Funding is being awarded in 3 strands:
 - **Round 1** 29 projects underway/complete
 - **Round 2** 23 projects underway/complete
 - **Round 3** 17 projects underway

The Mindset-XR Innovation Support Programme, led by the Health Innovation Network South London, aims to:

Support innovators of XR tools for mental health

Stimulate growth of the surrounding ecosystem and community

Scale up promising innovation for spread and adoption

Share knowledge about developing innovation and evidence

It does this by:

- Developing an active community of shared interest and learning
- Providing bespoke support to innovators of XR for mental health
- Convening stakeholders to tackle macro level roadblocks
- Providing a publicly available curriculum to support innovators

UK Wide Network of expertise



hin.mindset@nhs.net



Innovate
UK



Visit www.healthinnovationnetwork.com/resources/mindset-xr-innovation-support-programme



An introduction to the Digital Health & Care Innovation Centre (DHI) & the Digital Mental Health Innovation Cluster (DMHIC)

Joanne Boyle



Digital Health & Care
Innovation Centre

02/10/2025

2025 Mindset-XR Innovation in Mental Health Roadshow - Scotland



Who are we?

The Digital Health & Care Innovation Centre (DHI) is a **national resource**, **key enabler** and **catalyst for change**, occupying a unique and visible position at the heart of the Scottish innovation ecosystem for digital health and social care.

- A world-leading collaboration
- Not-for-profit & publicly funded



University of
Strathclyde
Glasgow

SCHOOL OF
INNOVATION
AND TECHNOLOGY
**THE GLASGOW
SCHOOL I ARE**



Scottish Funding Council
Comhairle Mairsachaidh na h-Alba



Scottish Government
Riaghaltas na h-Alba
gov.scot

Our expertise and influence allow us to play a pivotal role in building a fairer, inclusive, accessible, and equitable health and social care system by harnessing the power of Scotland's academic, public, private, and third sectors.



Cluster Overview

- Commissioned by the Digital Mental Health Programme in Scottish government and launched in **March 2022** to support **Action 15.7** of Scotland's Mental Health Transition & Recovery Plan.

“To explore the use of an innovation hub model to encourage identification, development and evaluation of technologies focused on the needs of the population. Developing Innovation Hubs will help support individuals, organisations, academics, and commercial companies to work together to identify, design and develop innovative digital solutions while being guided by expertise within the mental health field including people with lived experience.”

- Aims to **identify, develop, and evaluate** digital mental health technologies and supports **individuals, organisations, academics, and commercial companies** in innovation.

Innovation Cluster – Purpose & Functions

- **Collaboration Hub:** Unites policy, health, care, education, research, and commercial sectors.
- **Shared Learning Hub:** Builds expertise, promotes best practice, and informs targeted actions.

Connectivity:

Dedicated space (virtual/physical) for ecosystem engagement.

Knowledge Management: Facilitates knowledge exchange within Scotland & globally.

Activity Management:

Mobilizes & progresses digital mental health innovations

Digital Mental Health Innovation Cluster



**Findings of a desktop
horizon scan for Global
Leaders & digital
innovation opportunities**
Digital Mental Health report
published

DMHIC Launch event

40 Attendees

**Emerging
Innovations in
Digital Mental
Health**
A Deeper Dive' Report

6th Cluster Meeting

45 Attendees

Annual Report

2022-2023

Business Q&A

31 Attendees

January
2022

March
2022

June
2022

September
2023

December
2023

February
2024

February
2025

January
2025

September
2024

August
2024

June
2024

May
2024

**The Role of the
Third Sector in
Supporting
the DMH
Ecosystem'**
Third Sector Event

**ADHD Project
Mapping
continues**
1 LE workshop

**Annual
Report**
2023-2024

**DMHIC
Advisory
Workshop**

**Mindset-XR
Innovation
Roadshow**
Scottish Event in
collaboration with Health
Innovation Network –
South London and IUK

**Adult ADHD
Project mapping
begins:**
· 2 Clinician Workshops –
· Evaluating Digital Interventions
for ADHD Diagnosis and
Management in Adults within
the UK

Launch



DHI Members Area

We're delighted to share the launch of the **DHI Members Area**, a secure space on our website where network members can access exclusive resources, stay up to date with events, and take part in focused group discussions.

How to Join (DMHIC-specific):

1. Subscribe to the <https://www.dhi-scotland.com/subscribe>
2. Complete the Join Our Network (JON) form you'll receive via email. Be sure to tick *Digital Mental Health Innovation (DMHIC)* in the special interest's section.
3. Look out for your invitation email and set up your password.

What to Expect Inside:

- Member-only resources and event listings.
- DMHIC discussions and opportunities to connect.
- A simple, professional, and well-moderated online community.

Impactful innovation starts here

Connect with DHI

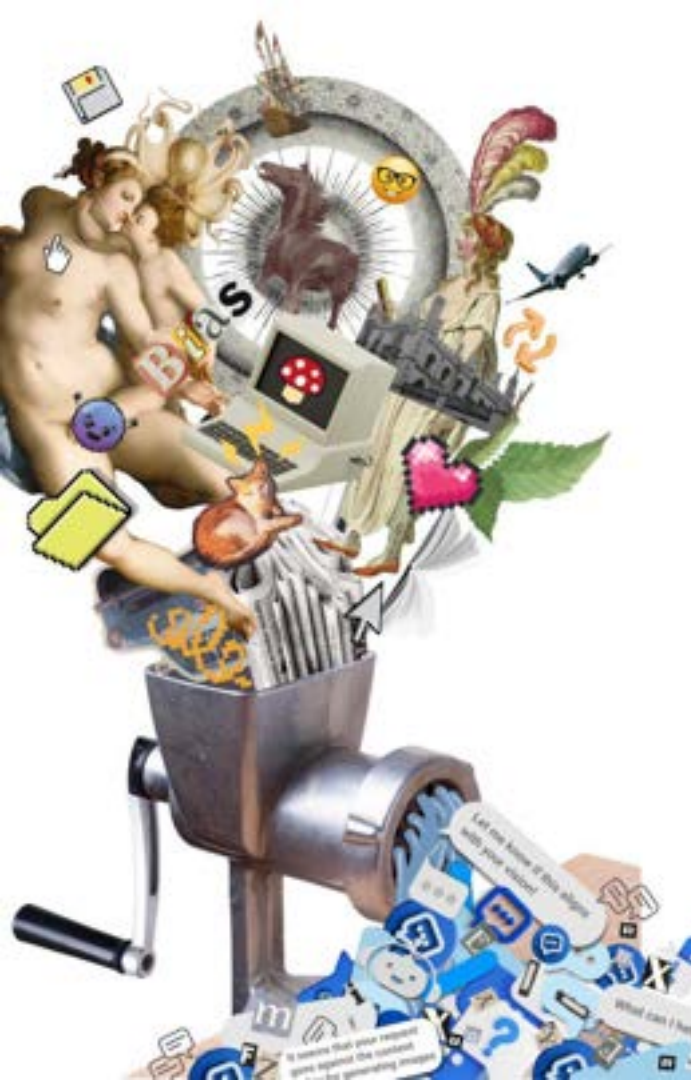
- Visit our website:
www.dhi-scotland.com
- Subscribe to our newsletter:
www.dhi-scotland.com/subscribe
- Follow us on:
 - LinkedIn ([@dhiscotland](https://www.linkedin.com/company/dhiscotland))
 - X ([@dhiscotland](https://twitter.com/dhiscotland))

- Scan the QR code to visit:
linktr.ee/dhiscotland



Why trustworthiness, ethics and inclusion matters when using AI

Steph Wright



Why trustworthy, ethical and inclusive matters

Steph Wright, Scottish AI Alliance

Vision

The Strategy's Vision for AI in Scotland is to become a leader in trustworthy, ethical and inclusive AI



Fairer

Ensuring that our Values are embedded in our approach to adoption of AI



Greener

Enabling us to make better use of resources and develop new, low carbon industries



More Prosperous

Empowering innovation with confidence building on a foundation of public trust, empowering our workforce and creating high value jobs



Outward Looking

Engaging with global partners that share our values, forging partnerships and contributing to tackling shared challenges

Scottish AI Alliance

Delivering on Scotland's vision to become a leader in trustworthy, ethical and inclusive AI.

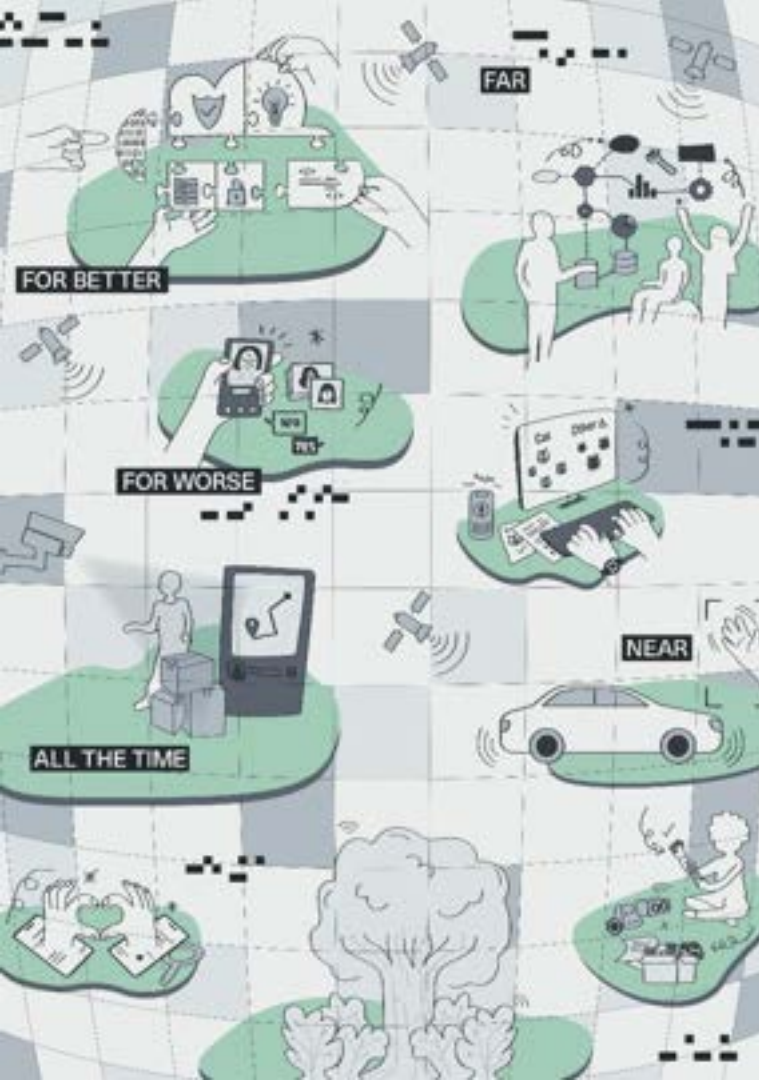
We will do this by:

- empowering Scotland's people
- supporting Scotland's businesses and organisations
- influencing policy affecting Scotland

Our Approach

AI has the potential to transform how we live, work and learn for the better.

Let's make sure that is for the benefit of the many and not the few.



So... why trustworthy,
ethical and inclusive
matters.....



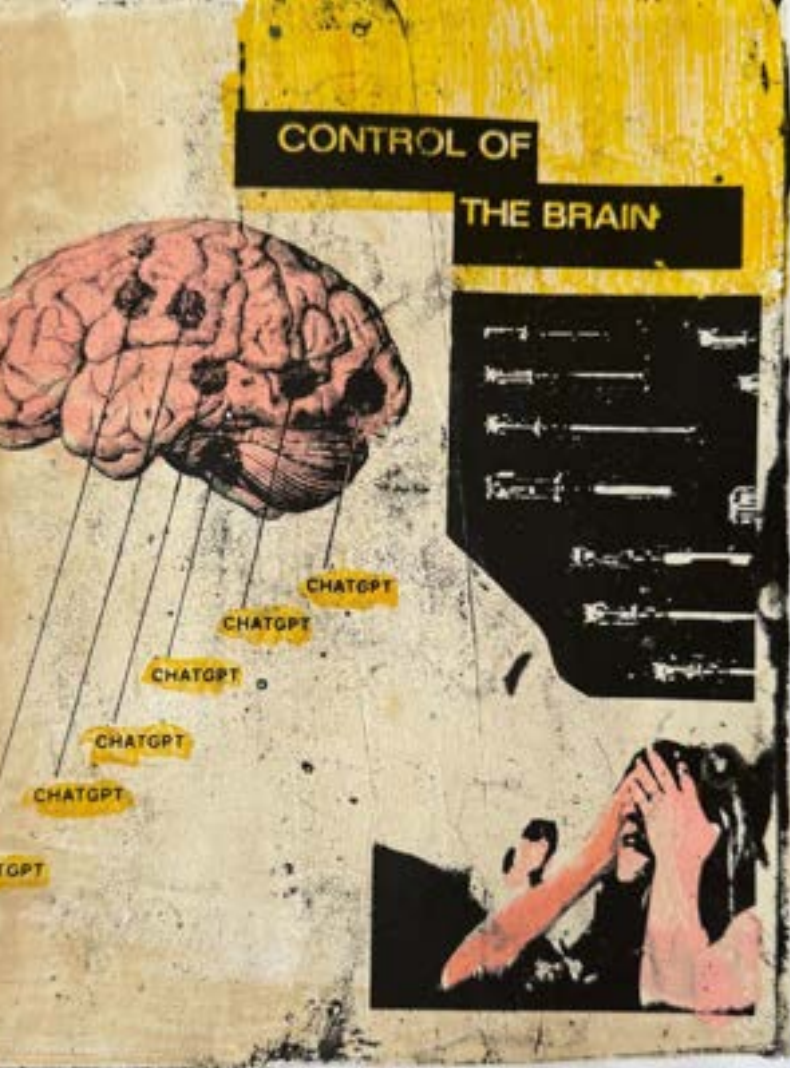
Why “Trustworthy” Matters?

Janet Turra / <https://betterimagesofai.org/>
<https://creativecommons.org/licenses/by/4.0/>



Why “Ethical” Matters

Hanna Barakat & Cambridge Diversity Fund / <https://betterimagesofai.org/> /
<https://creativecommons.org/licenses/by/4.0/>

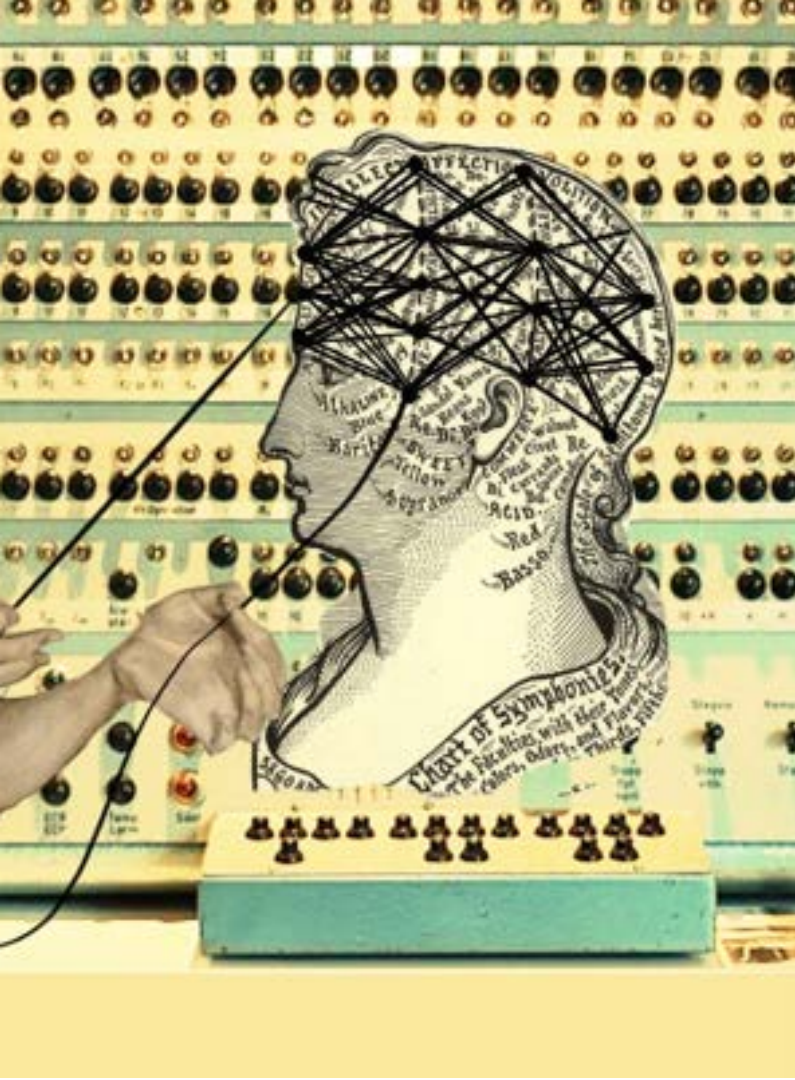


Why “Inclusive” Matters

Bart Fish & Power Tools of AI / <https://betterimagesofai.org/> /
<https://creativecommons.org/licenses/by/4.0/>



Trustworthy, ethical and
inclusive together



So what now?

Living with AI

A free, beginner-friendly online course designed to introduce the general public to the world of artificial intelligence (AI).

Understand how AI is impacting your life, explore its challenges, and discover its future potential.

Find out
livingwithai.m
ore:
e



For Individuals

Living with AI helps you cut through the noise, understand AI in simple terms, and see how it fits into your world. No hype, no jargon - just the knowledge and confidence to join the conversation and think critically about AI's impact on the future.



For Organisations

Public and third sector organisations in Scotland can integrate Living with AI directly into their own learning management systems (LMS), delivering AI education in a familiar, accessible environment for their teams.



Free

Resources

Explore our curated resources organised by themes, or dive into our comprehensive library below to discover everything we have to offer.



I also want to give a shout out to the fantastic project **Better Images of AI** where you will find a library of images with better representations of AI than blue glowing brains and robots.

betterimagesofai.org



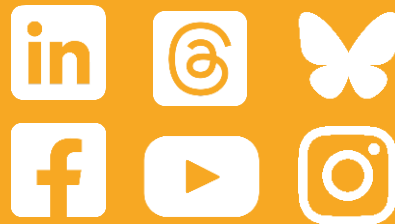
Julieta Longo & Digit /
<https://betterimagesofai.org/>
<https://creativecommons.org/licenses/by/4.0/>





Thank You!

Hello@ScottishAI.com
Steph@ScottishAI.com



ScottishAI.com
ScottishAIPlaybook.com
ScottishAISummit.com
ScottishAIRegister.com
LivingWithAI.me

Janet Turra & Cambridge Diversity Fund /
<https://betterimagesofai.org/>
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Abertay University Introduction

William Kavanagh

Abertay University

Introduction

Dr William Kavanagh

Lecturer in Games Technology & Mathematics

Welcome to Abertay

- Abertay is small and friendly with around 5,000 students (4,000 on campus and 1,000 off campus)
- Scotland's top modern university (Guardian University Guide 2026)
- Top Scottish modern for student experience (Times and Sunday Times 2026) and Top Scottish modern for research intensity (Complete University Guide 2026)
- The first university to offer a games degree and a Centre for Excellence in Computer Games Education



Abertay
University



Industry Focus

- We are a dynamic, modern university with a reputation as a leader in technology, an anchor in the community and providing work-ready graduates to industry
- Our research strategy builds on our industry-facing heritage
- Our commitment to working with industry is shown in recent campus developments



Recent Campus Developments

New spaces dedicated to working with industry:

- **Cyber Quarter:** Cybersecurity R&D hub opened in 2022
- **CoStar Realtime Lab:** AHRC-funded creative industry studio opened in 2024
- **Competitive Gaming Lab:** Specialist research facility opened in 2024

Talking about games...



Games in Dundee – by the numbers

- 9.8% of UK games companies are based in Scotland
- 2.7% of all UK games jobs are here in Dundee
- 1 in every 91 professionals in Dundee work in games. The highest concentration of games professionals of any UK city

Figures from centreforcities.org, January 2023



Project Spotlight

The Football Memories Project



The My Cancer mAI Care Project

MACMILLAN
CANCER SUPPORT

 Digital Health & Care
Innovation Centre

THE GLASGOW
SCHOOL OF ARTS



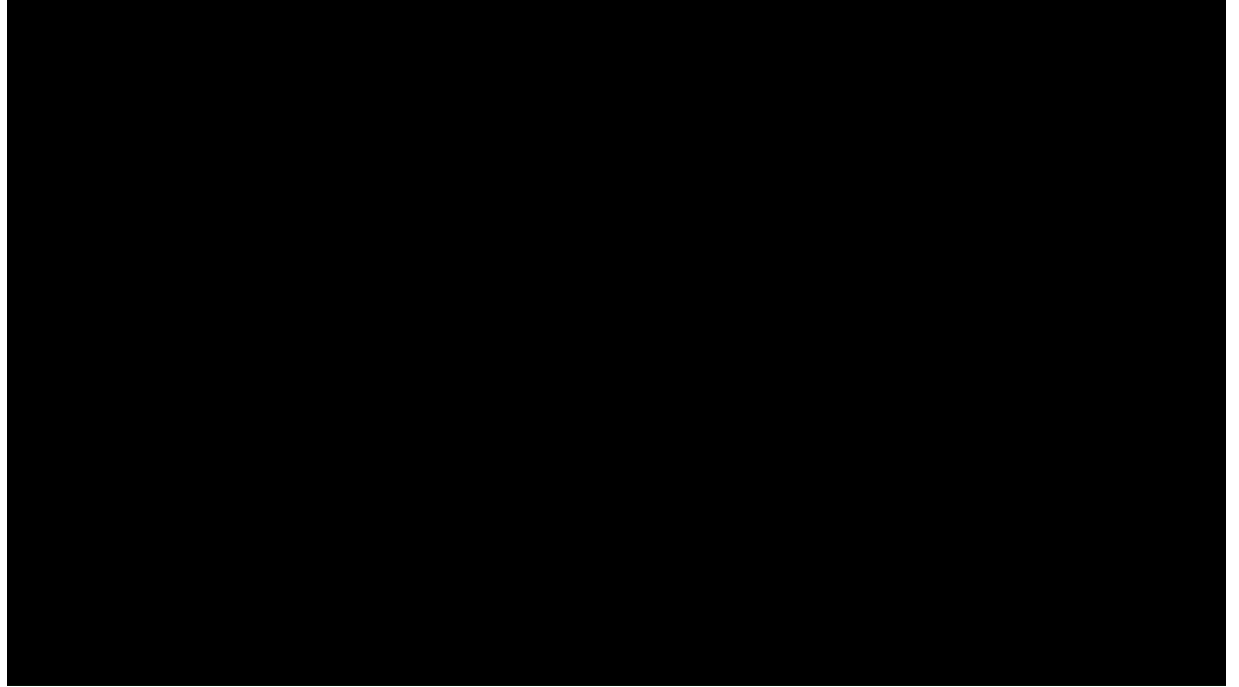
The screenshot displays the user interface of the My Cancer mAI Care Project. On the left is a dark sidebar with icons and labels for 'USER', 'CATEGORY SELECTION', 'NODE INFORMATION', 'EDGE INFORMATION', 'DASHBOARD', and 'MACMILLAN CANCER SUPPORT'. The main area features a vertical stack of filters: 'CANCER TYPES:', 'SERVICE:', 'DEMOGRAPHICS:', and 'CONCERNS:', each with a dropdown menu. At the bottom of this stack is a 'Reset Selections' button. The top of the interface includes a search bar with the placeholder 'Enter text...', a 'Choose a Node' dropdown, and an 'ADJUST' button with a double-headed arrow icon. The main content area is currently blank.

Therapet AR



Virtual Therapy Pet Project

Praxis Trials



Further recent projects at Abertay

- HeartGuard VR – A game for romance fraud detection
- Rhizoma – A VR installation exploring connections between people and nature
- RNIB XR Toolkits (Games & GLAM) – best practice guidelines for accessible XR development

Coffee Break!

Mindset-XR Innovation Support
Programme roadshow evaluation
form



Gamification in Healthcare

Brian Baglow

A detailed LEGO hospital playset is shown against a bright blue sky with light clouds. The playset is a two-story building with a red roof and white walls. On the left, a medical room contains a white ultrasound machine with a blue screen and a white robotic arm. A LEGO minifigure in a blue uniform and cap stands next to a blue patient bed. In the center, a reception desk with a yellow and blue patterned front holds a laptop and a telephone. A LEGO minifigure in a blue uniform stands behind the desk. To the right, a patient room features a white bed with a blue pillow and blanket, a blue bedside table with a green vase of yellow flowers, and a blue IV stand with a blue bag. A LEGO minifigure lies in the bed. A balcony with a white railing is visible on the right side of the building. The background shows a green lawn, a tree, and a city skyline in the distance.

The Power Of Play

Gamification +n Healthcare

Brian Baglow, CEO
Scottish Games Network | More Than Games

A detailed LEGO hospital set is shown against a bright blue sky with light clouds. The set includes a two-story building with a red roof. On the ground floor, there is a reception desk with a laptop and a nurse figure holding a clipboard, a patient in a wheelchair, a sink area, and a medical room with a patient on a gurney and a medical professional figure. The upper floor features a patient in a hospital bed with an IV drip, a desk with a vase of flowers, and a window looking out onto a green landscape with trees and a city skyline in the distance. The text "The Power Of Play" is written in large black letters across the middle, with "NOT (necessarily) GAMIFICATION" in smaller white letters below it.

The Power Of Play

NOT (necessarily) GAMIFICATION





GAMIFICATION CONCEPT



A close-up photograph of a person's hand in a blue and white checkered shirt, pointing their index finger at a stack of seven wooden blocks. The blocks are arranged vertically on a white surface. The fourth block from the top is red and labeled 'GAMIFICATION', while the others are light-colored wood. The background is a blurred checkered pattern.

REWARD

LEARNING

GOAL

GAMIFICATION

ACHIEVEMENT

SKILL

CHALLENGE







LEADERBOARD



RANK		NAME	ID	SCORES	MATCHES	WINRATE	REGION
#1		Player	00285130971	960,883	7,920	92,04%	LOREM
#2		Player	88019463581	902,037	8,918	87,30%	LOREM
#3		Player	67255137771	871,006	7,840	81,27%	LOREM
#4		Player	00116130348	620,553	2,003	79,03%	LOREM
#5		Player	45185276601	520,972	6,130	71,88%	LOREM

Serious Games Engagement Loop

1 Motivation

Player must have motivation to perform an action in the game.

2 Call To Action

Player is offered a goal or challenge to complete. This goal must compel the player to take action.

3 Player Action

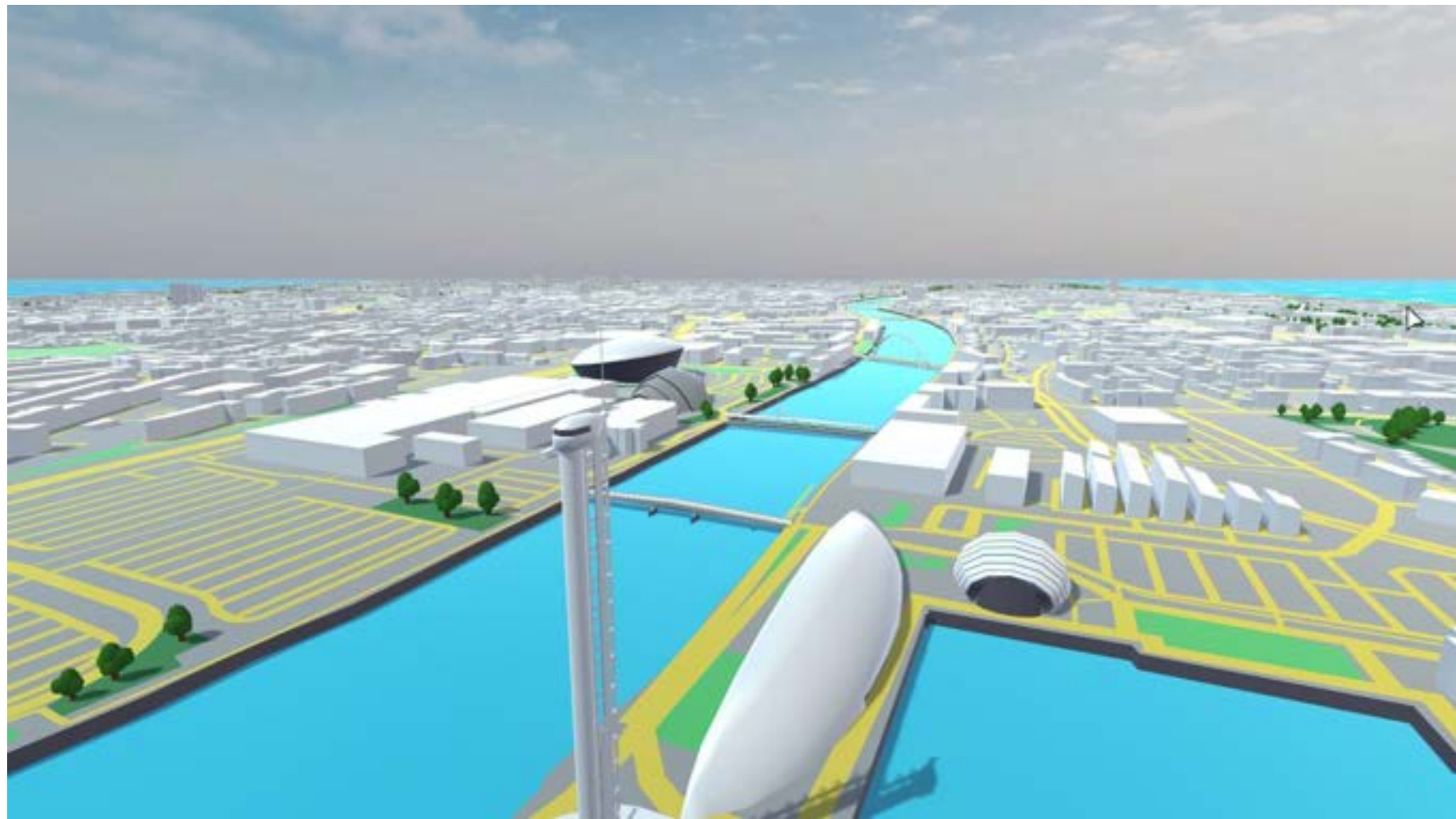
Player must perform and commit to an action, interact with the system.

4 Feedback

Player gets certain feedback from the action. Game gives the player extra motivation to start a new loop.



Chaos Theory





(brian.baglow@more-than.games)



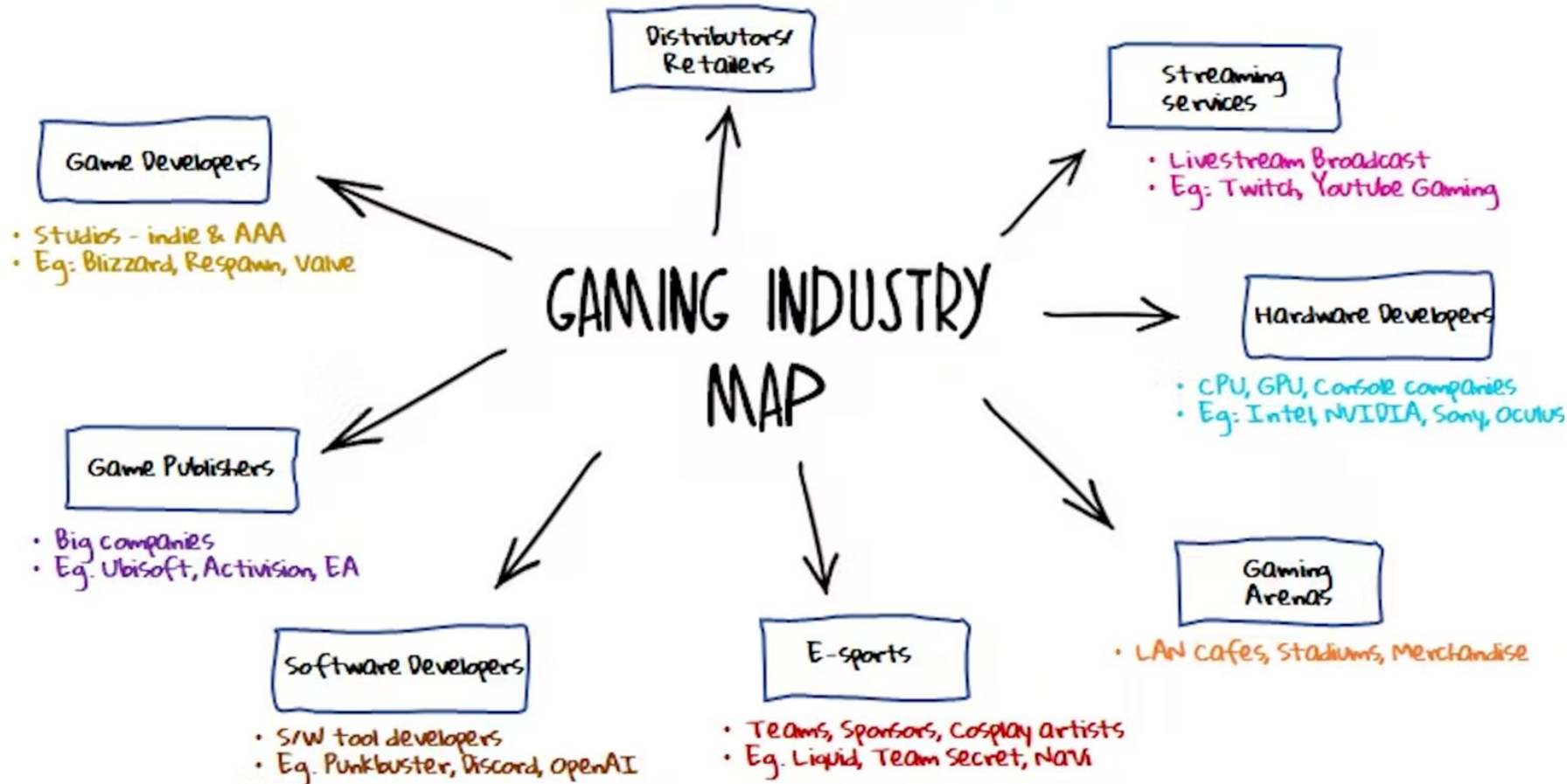








- App stores, Retail outlets, Digital Distributors
- Eg: Google Play Store, Gamestop, Steam








SEA HERO

Quest







A full-page image of Leonardo DiCaprio in a tuxedo, smiling and holding a glass of champagne. The background is dark with colorful bokeh lights and falling confetti, suggesting a celebratory event.

Brian Baglow

Thank You!

brian.baglow@scottishgames.net

Lunch!

Mindset-XR Innovation Support
Programme roadshow evaluation
form



Keynote: TendVR

Matthew Hoad Robson



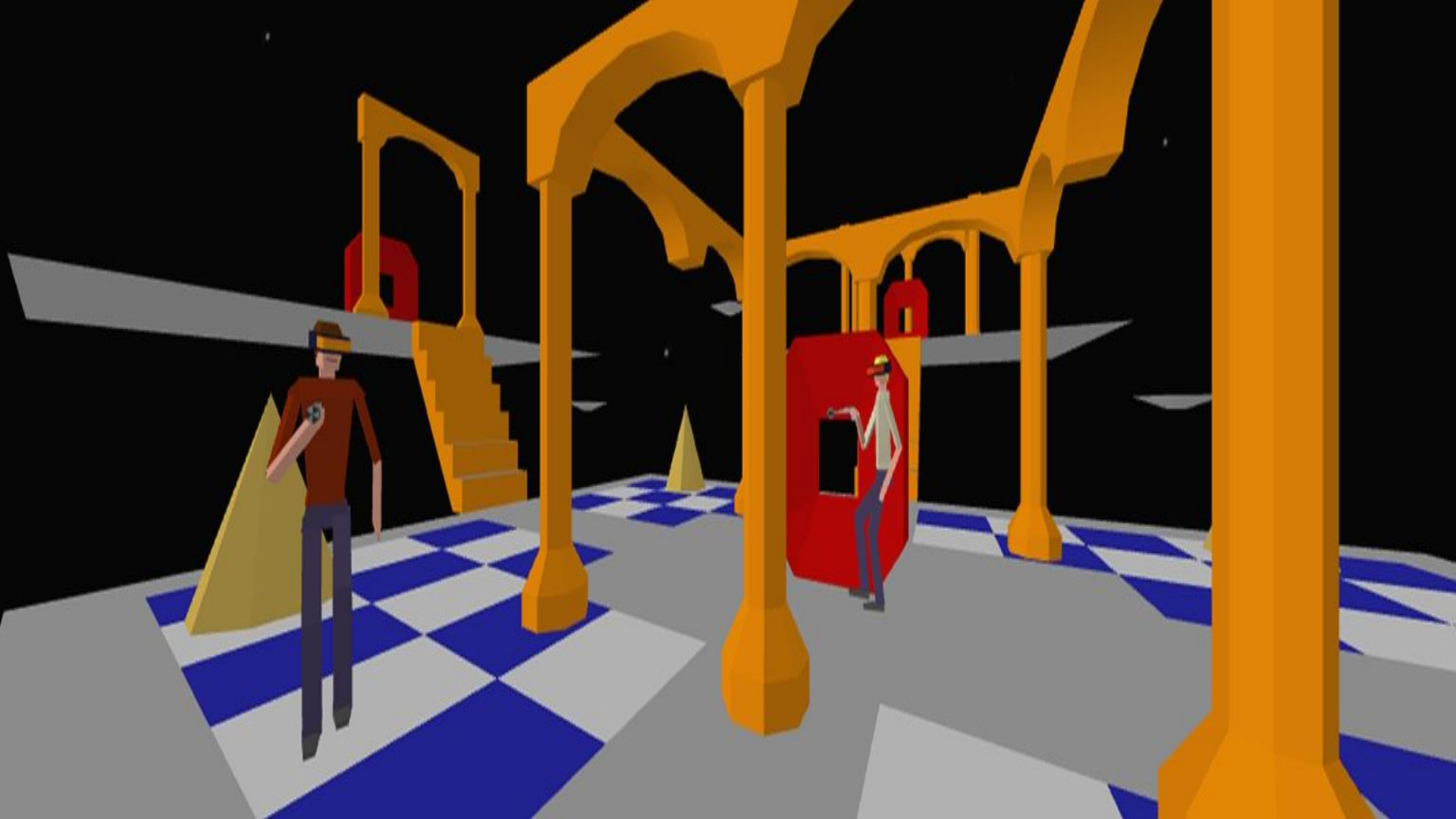
TEND

Transforming global mental health through
scalable immersive therapies

"The VR-MBCT was much better than any other therapy I've tried before – I have a long history of mental health problems and I think I've tried everything." Participant in NIHR study.









Depression and anxiety: global problem

600,000,000+

More than half a billion people suffer from depression¹ & anxiety²

\$97bn

Total estimated direct expenditure on depression and anxiety treatment by healthcare systems globally

£1.05bn

The NHS spends over £1bn a year on talking therapies, with depression being by far the largest cost



Global problem:

561,000+km

The queue of people suffering from depression and anxiety would wrap around the world 14 times.

\$2.5tn

If you provided everyone with depression or anxiety talking therapies the total cost would exceed \$2tn a year.



The solution: Tend VR-MBCT

A breakthrough VR-based MBCT course



Mindfulness Based Cognitive Therapy (MBCT) is an extremely effective, well proven therapy. It has no side effects, and can be given alongside other treatments.

However, MBCT is currently only available as an unscalable talking therapy.

Advances in VR technology have allowed us to create a breakthrough immersive adaptation of MBCT that is entirely scalable and can be delivered anywhere, any time, at vastly reduced cost.

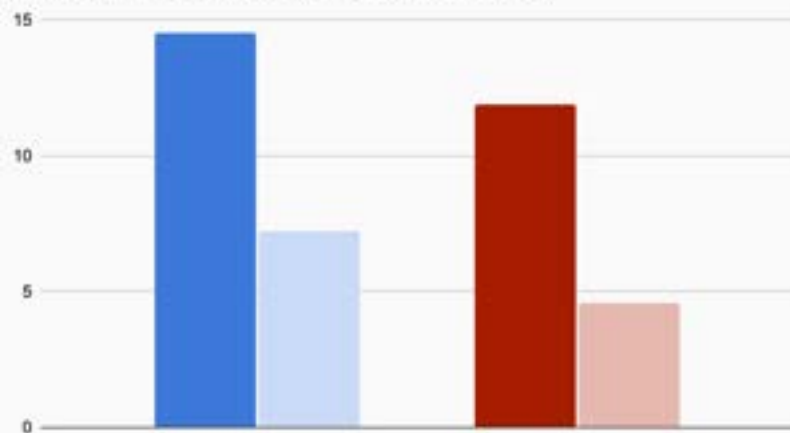
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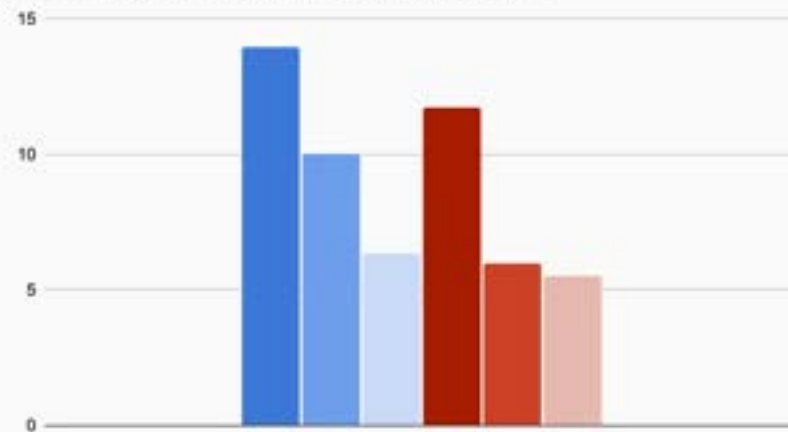
Further results: 35, 50 and 75 participants



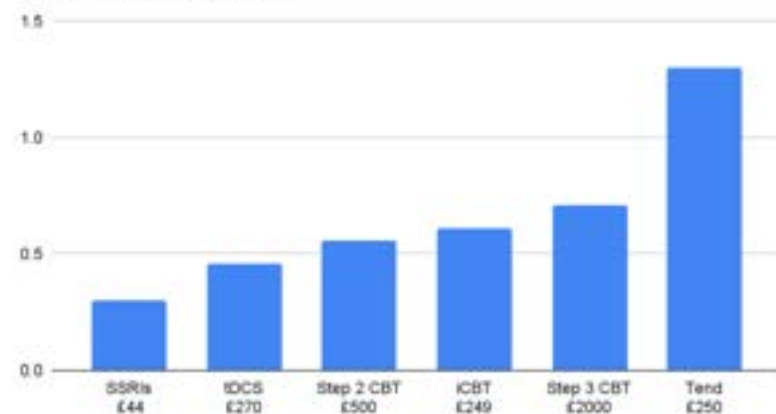
Mind/UKRI PHQ-9 and GAD-7 pre and post



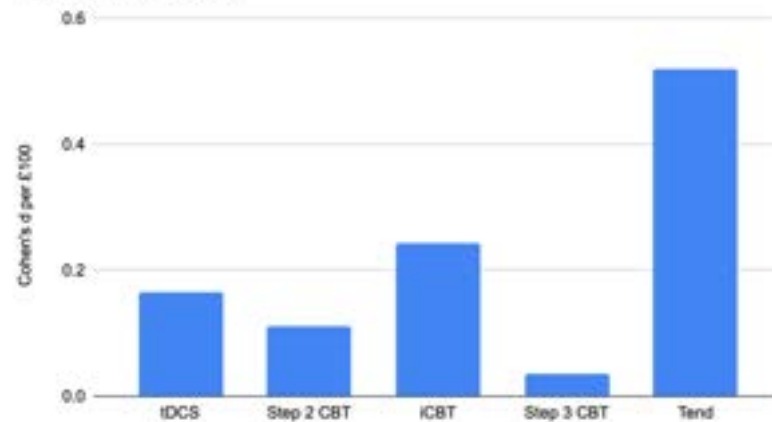
NIHR PHQ-9 and GAD-7 pre, mid and post



Effect Size (Cohen's d)



Cost Effectiveness



UKRI Results – 75 participants

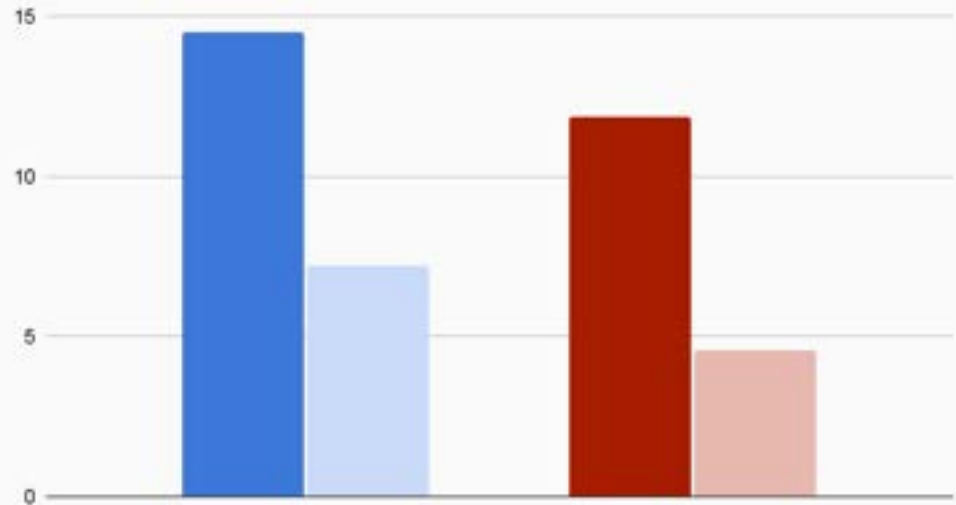
Large reduction in Depression (PHQ-9) from 14.00 to 7.7, with a reduction of -6.3 points

Large reduction in anxiety (GAD-7) from 12.02 to 5.74, with a reduction of -6.28

87% completion rate 87% of participants completed more than 4 sessions with an average 7.8/8 sessions completed

86% would recommend to friends and family

Mind/UKRI PHQ-9 and GAD-7 pre and post



Participant voices

- “I have ADHD and I’ve always wanted to be mindful, to be able to meditate but nothing I’ve ever tried has worked. **Tend is different, Tend worked for me. It had a calming effect that took me out of my day to day life to see something, be somewhere else, without having to use imaginary visualisation techniques.**”
- **“I’ve got hope. I’ve got hope that I’ll be able to deal with certain things...** you’ve got to be really kind to yourself, have compassion. It’s taught me that if you are kind to yourself, take things slowly, who knows what might happen.” Participant in CIRCE study.
- “It did help, definitely. I’m definitely trying to be nicer to myself, stop the critical self talk that I do all the time. **One of my friends said ‘you’re so different, you’re more open’ I feel like I’ve got myself back a little bit.**” Participant in UCL/Retreat study
- **“It brought back my belief in myself and my capabilities.** I now feel that I can control my reactions better and it brought back my belief that my brain can do amazing things if I let it go - it can improve my personal wellbeing” NIHR participant
- “I thought it was amazing. It really is the future of mental health for general anxiety and depression. **I wish I’d had these tools when I was younger**” Participant in UCL/Retreat study



How Tend works:

Tend is delivered either in community settings, such as at local Mind sites, or as a loaned headset from NHS Talking Therapies services. Users complete the course over 8-10 weeks before offboarding.



Headsets are held at shared sites, like Mind, or loaned to service users by NHS providers.



Users complete the course over a period of 8-10 weeks either at home or using shared headsets



Clinicians regularly check in with patients and then conduct final measures



The headset is then immediately ready for use by the next patient, radically reducing costs

2 to 5 times cheaper

Tend is two to five times cheaper than existing talking therapies.

Tend's shared headset model is offered to trusts at £250 per patient for an 8 week course delivered at Mind or other third sector partners.

No waiting time

Patients that are not seen quickly are harder to treat

It's vital that patients that are seeking help are seen by clinicians and offered treatment quickly.

>52% Reduction in PHQ-9 and GAD-7

Tend has averaged greater than 50% reduction in both GAD-7 and PHQ-9

Many patients with depression and anxiety are carers or even double carers with jobs, so giving them the option to fit treatment into their lives in a flexible way is vital

Partnerships



"I've got hope. I've got hope that I'll be able to deal with certain things... you've got to be really kind to yourself, have compassion. It's taught me that if you are kind to yourself, take things slowly, who knows what might happen."
Participant in CIRCE study.

UK wide service

11 sites live

20+ sites going live soon across the country in London, Essex, Manchester, Harrogate, Wales and more

Live in our first NHS Talking Therapies Service

Starting pilots in another three trusts

Talking to partners in Scotland and Northern Ireland





TEND

Transforming the treatment of
depression and anxiety for 600m people
across the globe

matt@tend-vr.com



Panel Discussion

Thank You!

Mindset-XR Innovation Support
Programme roadshow evaluation
form



Networking & Demos

Mindset-XR Innovation Support
Programme roadshow evaluation
form

