



The co-production of a digital intervention to support young people with depression waiting on the psychotherapy waiting list



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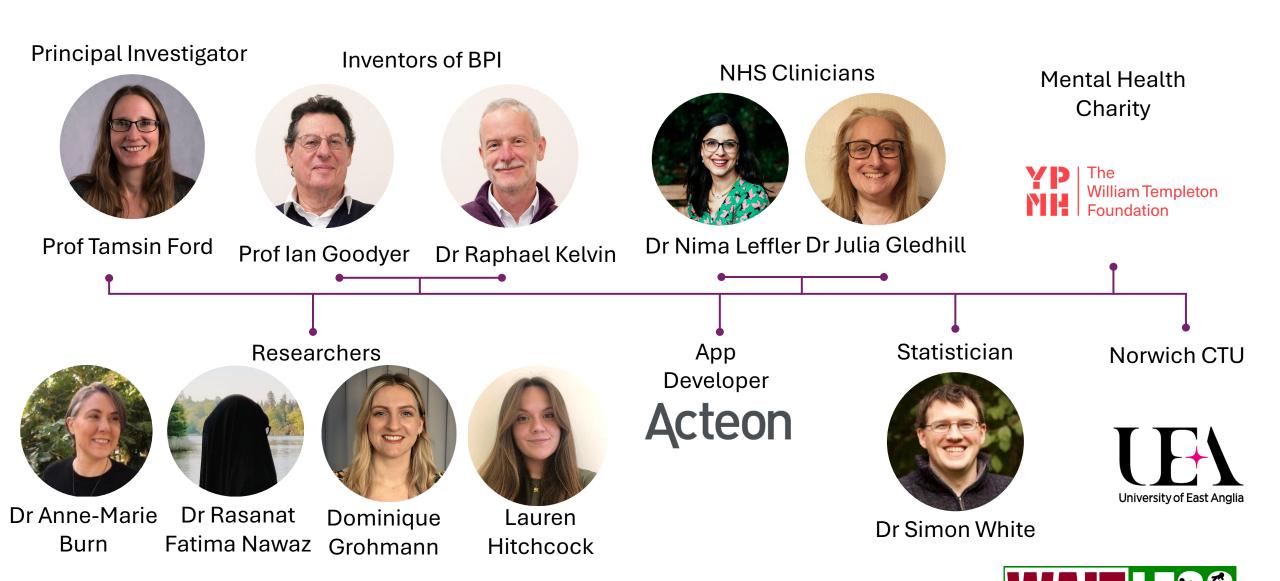












# Background and rationale

 Increasing waiting lists for Children and Young People's Mental Health Services (CYPMHS) are a major barrier for young people trying to access mental health care.



- Referrals increased by 47% in 2021-2022 (Children's Commissioner, 2023).
- Evidence to support the use of some digital interventions for adolescent depression e.g. Hollis et al., (2017)

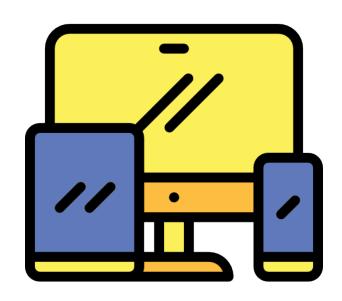


# Digital Brief Psychosocial Intervention (BPI)

WaitLess – Aims to create an online version of BPI.

Project running from March 2024 to March 2027

- Bite-sized self-led sessions lasting between 5-10 minutes.
- Can be used on phone, tablet, or computer.
- Visually engaging uses audio and video.





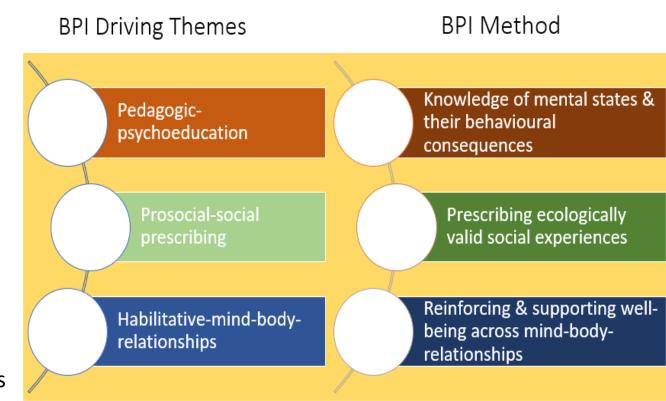
### The Emergence Of BPI

#### **Traditional BPI:**

- A NICE approved talking therapy
- Emerged from pragmatic experiences of treating depressed and anxious adolescents
- Involves active learning and intervention principles

#### Translating BPI into a self-service digital format:

- Four visual strategies through online video
- Animation, storytelling and information giving
- Films of two BPI-trained mental health professionals discussing the value of using BPI through the online method



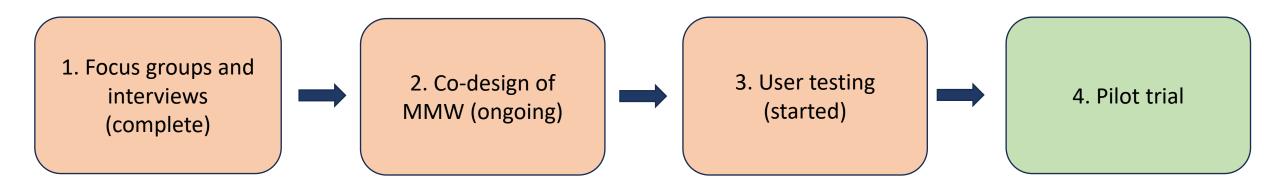
The model emerges from psychosocial methods used in CYPMHS





# The Wait Less Study (March 2024 – March 2027)

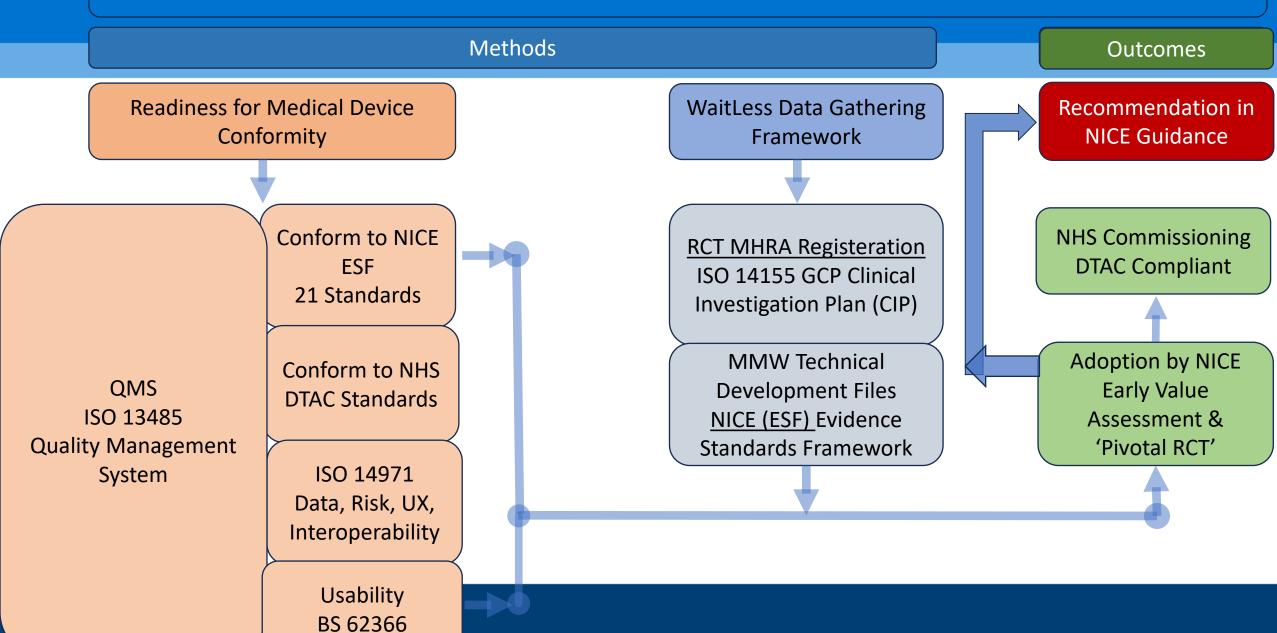
We are co-designing a digital version of Brief Psychosocial Intervention, a digital program within an electronic BPI (eBPI) portfolio.







#### WAIT LESS Study Strategy for Ensuring Translational Success



# Alpha Phase Development and Testing: WP1 & 2

- Design requirements as a result of feedback:
  - Easy to assimilate, variety of formats of delivery video, animation etc
  - Youth friendly
  - Diverse and inclusive
  - Easy to navigate, to repeat & not prescriptive in how to use
  - Not reminders of NHS brandings avoid blue and white combination
  - More visual, not text heavy
- Content requirements:
  - Evidence based, trustworthy
  - True to BPI
  - Practical and engaging
  - Short as possible but long enough to be meaningful





## Work Package 1 – Interviews and focus groups

Speaking with young people, parents/carers and mental health professionals to understand:

1. Experiences of waiting lists and treatment expectations

Qualitative paper on waiting list experiences



2. Opinions on eBPI and its implementation into services

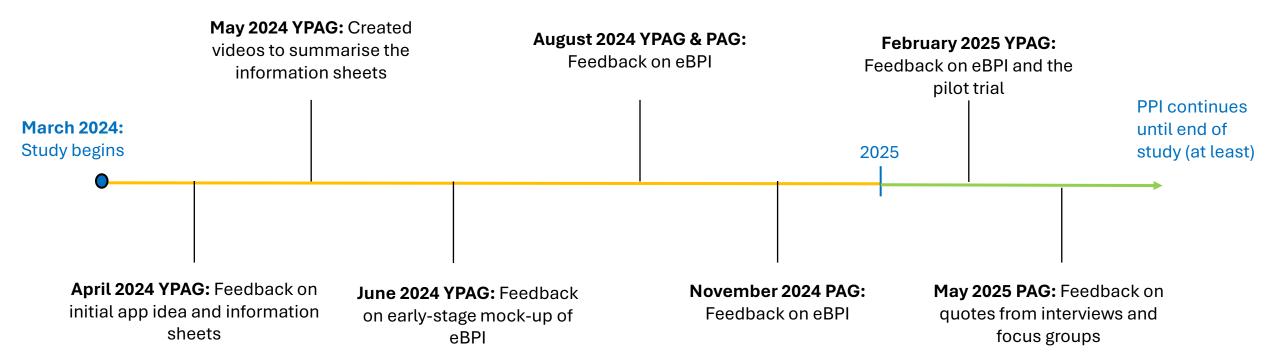
Useful information for app improvement and integration into services











#### WP2

#### Co-design of eBPI

- Iterative Process with our Advisory Groups
  - Young Peoples Advisory group (YPAG)
  - Parent and Carers Advisory Group
  - Clinical advisory group

Working with developer







### Patient and Public Involvement (PPI)

Two advisory groups set up specifically for the study:

- ❖ Young person advisory group (YPAG) lived experience of waiting lists, subset of Cambridge Youth Panel
- **Parent and carer advisory group (PAG)** parent or carer of young person with lived experience, 5 members

#### Involvement:

- ❖ YPAG (2023) provided feedback on initial ideas of MMW and protocol prior to funding NIHR application, and one young person edited the Plain English Summary
- ❖ YPAG and PAG (2024-now) ongoing feedback and suggestions to improve MMW
- ❖ PAG (2025) provided views and opinions on quotes collected in WP1 around waiting list experiences





#### PPI Outcomes

Inclusive as possible

Don't use actors or Al

Be flexible with data collection

Avoid NHS colours

Avoid digital exclusion



Limited exclusion criteria e.g. include ADHD, Autism, self-harm

Two real clinicians are in the videos, and the voiceovers are a young person – already positive feedback

Offered focus groups AND interviews, in-person or online, use of chat function, camera on/off

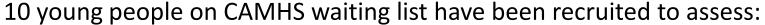
> Removed any white and blue colour combinations

Will offer a device and data if they do not have access to this

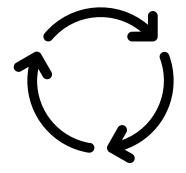
### Work Package 3 – User Acceptance Testing

One round of user testing already complete – changes made to eBPI:

- Option of parent login to see what their child is receiving
- Introductory videos
- Amendments to some content, tech improvements, design improvements
- Early groundwork on Implementation



- Acceptability
- Feasibility
- Safety of eBPI
- Young people used the app over several weeks, and then provided us with feedback through interviews and an online survey
- Findings will be used to improve and finalise app for WP4 (pilot)









### Work Package 4 – Pilot trial

**Design**: Two-centre randomised feasibility study with embedded process evaluation

**Sample**: 80 young people: 12-17 years; on CYPMHS waitlist for assessment and/or treatment; primary presenting problem of unresolved or relapsed low mood, depression or anxiety; currently experiencing some symptoms of low mood (>=20 on the 33-item Moods and Feelings Questionnaire)

#### **Outcomes:**

- 1. Feasibility of recruitment
- 2. Engagement with eBPI
- 3. Retention rate (at 18 weeks)
- 4. Acceptability of eBPI
- 5. Difference in data completeness: higher vs lower intensity data collection (random allocation)
- 6. Variance of depressive symptoms in the waiting list population (to support power calculation for definitive trial).





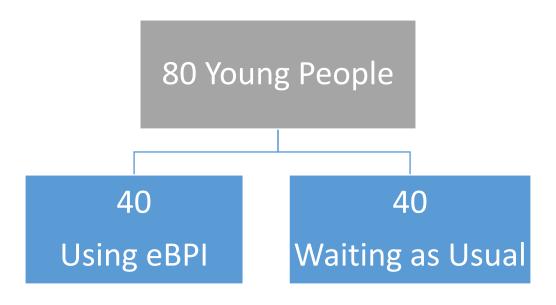
#### WP4 – Winter 2025

#### Randomised Control Trial of eBPI

Evaluate the effectiveness and feasibility of eBPI.

#### Forms of Assessment:

- Moods & Feelings Questionnaire (MFQ)
- Strengths and Difficulties Questionnaire Impact
- EQ-5D Quality of Life Questionnaire
- Client Services Receipt Inventory (CSRI)
- Leaving the Waiting List
- Interviews after Intervention







# Despite demonstrating efficacy in RCT, when used in real world contexts, interventions are often not effective.

#### Why is this?

The STADIA paper on diagnostics in CAMHS units showed:

- Operating models inconsistently implemented across Departments and Trusts
- ➤ NICE guidelines not implemented in practice
- Stakeholder's buy-in and adoption was variable
- Clinicians were from a range of professional backgrounds with a range of competencies
- ➤ Interventions may not fit within wider care pathway mismatched priorities

#### **Solution requirements**

- Clear operating model that fits clearly within care pathway
- Defined resources, roles, competences, processes, coordination mechanisms
- Training and development to build sufficient competences
- ➤ Effective change management, including clear 'future state', current state, and how to build capable capacity.



### Addressing the implementation problem

- There is a need for a practical, scalable approach to help organisations adopt innovations more effectively.
- In this project, implementation has already been considered at the platform design stage, co-production and user (patient, parent and service staff) testing are key elements of this study.
- Persona modelling has been conducted to link product and use process elements with the needs of each actor in the user ecosystem. This has been validated with clinicians, young people and a commissioning manager.
- The next step is to design the implementation approach for MMW to ensure a robust deployment and effective use processes. Steps include creating a logic model, operating model vision, and realisation roadmap.





#### LEADERSHIP AND MANAGEMENT

**GOVERNANCE** 

See also the MRC frameworkfor developing and evaluating complex interventions https://www.bmj.com/content/374/bmj.n2061





### Thank you for listening

#### Any questions?





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