

The problems

... Acquired brain injury survivors' unmet needs
(cognitive, emotional, vocational, physical)
in the community



Our research programme

...themes of Assessment, Intervention & Outcomes

- A1)MRC-CBU - led by Tom Manly - Cognitive Assessment after stroke
- A2)Pearsons, Loschiavo,(University of Minas Gerais), Simblett, Constantinidou on DEX
- A3)Psychometrics Centre Cambridge- Computer Adaptive Testing - Dr Luning Sun

- I1)MRC-CBU - as led by Polly Peers - Cognitive training after stroke
- I2)NIHR RfPB – Gracey – Arts for Health, feasibility study underway
- I3) NIHR-HTA - Bateman (Cambs PI) Assistive Technology in Dementia
- I4) University of Nottingham/MS Society - memory rehabilitation in MS (Bateman co-supervising Rachel Goodwin PhD studentship with Nadina Lincoln)
- I5) NIHR-HTC - Virtual learning environment developments (Bateman, Gracey, Simblett, Werson)
- I6)new Evelyn Trust grant on vocational rehabilitation after stroke (De Simoni, Mant, Bateman)
- I7)NIHR CLAHRC funding to Malley on Fatigue after Brain Injury
- I8) Anglia Ruskin - Music Therapist Alex Street - Upper limb paralysis after stroke

- O1)NHS HEEoE recently funded grant to Bateman on Quality of life outcomes in rehabilitation, moving towards a new project on health economics. N=12000 patients on EQ5D-5L
- O2)CCS-NHS Trust Sustaining Friendships after brain injury (research assistant Jessica Barnes supervision from Bateman and Gracey)
- O3) Outcomes research from the Evelyn Trust ECHIS grant (Allanson et al)

Online psychological therapy and educational environment



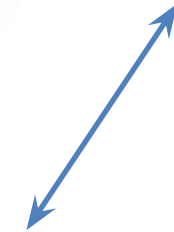
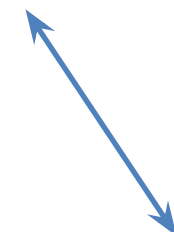
SilverCloud



Admin

Supporters

Client



Online



Mobile




The research

- ...How to connect people with information they need?
- ...inclusive design methods?
- ...How to evaluate benefit?




OZCMOODMANAGER
View or Edit My Profile

Mind Balance




SilverCloud
This module introduces you to SilverCloud.


- [Introduction](#)
- [How to Use the Program](#)
- [My Dashboard](#)




Getting Started with Mind Balance
This module shows you the basics of CBT and depression, and introduces some of the key ideas of Mind Balance.



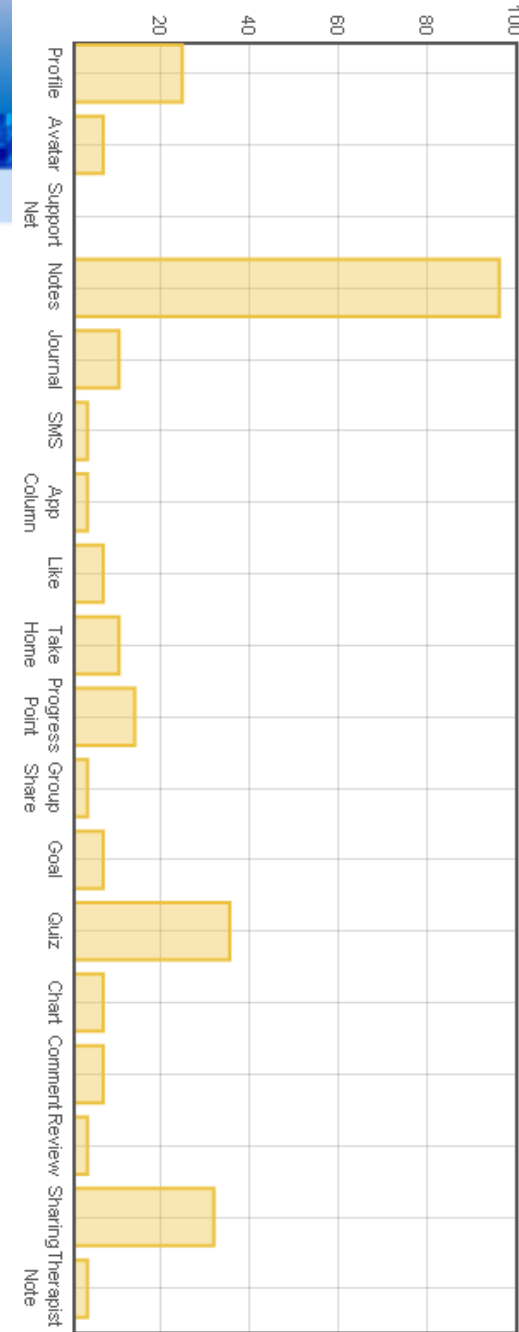
Tune In 1: Getting to Grips with Mood
This module takes a closer look at moods and emotions. In this module you can explore different aspects of emotions, physical reactions, action and inaction, and see how they are all connected.



Tune In 2: Spotting Thoughts
This module focuses on thoughts - an important part of emotions and the cycle of depression.



Change It 1: Boosting Behaviour
This module looks at how doing things a little differently can be a really great way to start to lift your mood.





Trigger
“after achieving my goals I make a mistake”

Thoughts
“what an idiot...”

Behaviours
“hiding under bed covers”

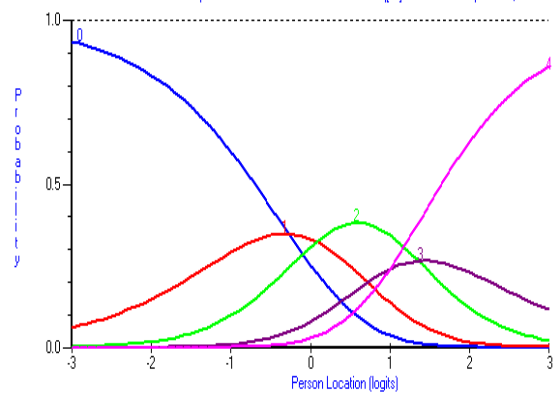
Feelings
“angry, frustrated”

Physical Reactions
“heavy arms, poor concentration”



*“I realised I was in a cycle but I did not realise the solution to escape it. Writing down the cycle helped. .
...It helped me to notice my feelings and confirm that I was going round in circles...to break out of the cycle”.*

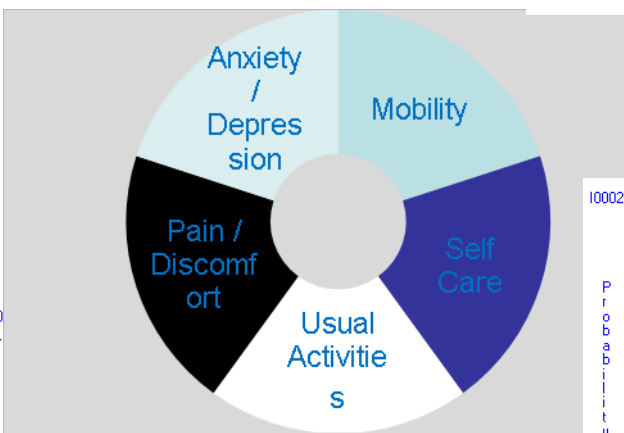
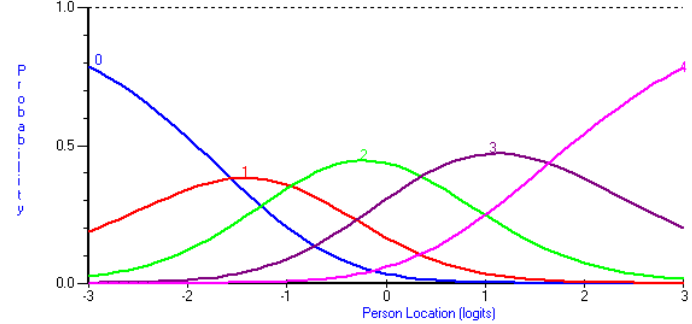
10005 ANXIETY/DEP Loen = 0.540 Spread = 0.254 FitRes = 6.807 ChiSq[P] = 0.000 SampleN = 2,779



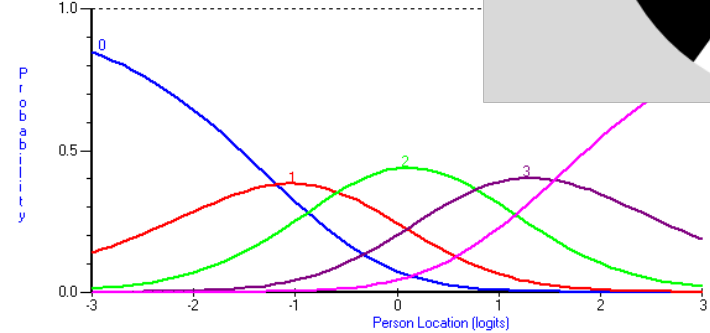
Cambridgeshire Community Services NHS NHS Trust



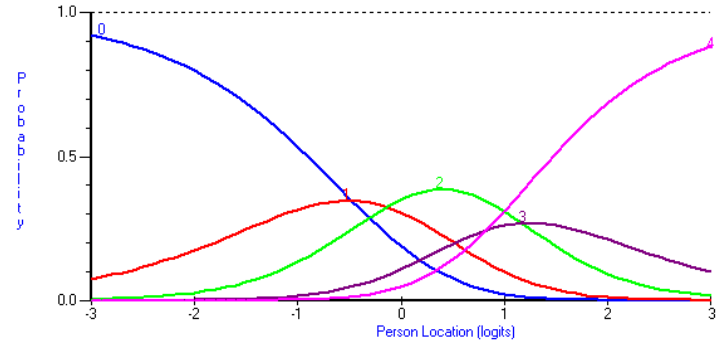
10001 mobility Loen = -0.130 Spread = 0.546 FitRes = -4.458 ChiSq[P] = 0.000 SampleN = 2,779



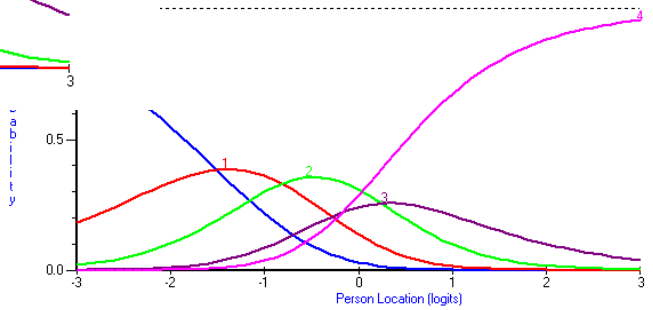
10004 PAIN Loen = 0.140 Spread = 0.477 FitRes = 5.766 ChiSq[P] = 0.000



10002 selfcare Loen = 0.346 Spread = 0.261 FitRes = -4.769 ChiSq[P] = 0.000 SampleN = 2,779



Loen = -0.562 Spread = 0.254 FitRes = -1.60



EQ5D psychometric Properties investigated Using Rasch Analysis

virtual learning environment (VLE) for brain injury

Research objectives to develop:

- *An interface appropriate* for people with ABI
- *New content* to meet the needs of ABI service users
- *The process* of investigating this growing approach to service delivery
- Research that *benefits* the patients, their families and society

Colleagues

Donna Malley, Clin Specialist Occupational Therapist
Sarah Simblett, PhD, Post Doc Clinical Psychologist in training
Fergus Gracey, Consultant Clinical Neuropsychologist
Jessica Barnes BSc, Research Assistant
Tom Manly, Senior Scientist, MRC-CBU Cambridge
Fionnola Murphy, Post Doc Scientist MRC CBU
Judith Allanson, Consultant Rehabilitation, CUFT
Peter Hutchinson, NIHR Research Professor, Neurosurgery
NIHR Brain Injury Health Technology Co-operative

CLAHRC-East of England

SilvercloudHealth Team

Derek Richards, Director of Research
Gareth Jones, Business Development Manager
David O'Callaghan, Sen. Software Engineer

International Collaborators

Prof Fofi Constantanidou; Cyprus: Smart Camera Networks
Prof Cesar Caceres, Madrid; Computer Science

Current grants

Wellcome, Cognitive Assessment
Stroke Association, Cog Rehab
MS Society, Memory Rehab
CLAHRC, Fatigue Management
Evelyn Trust, Community Head Injury Service
Evelyn Trust, Vocational Rehab
NIHR RfPB, Arts for Health

Dissemination

Rehab Editor :*Advances in Clinical Neuroscience*
Neuropsychological Rehabilitation (an intl.Journal)
Social Media eg @ozcboss, blog, linkedin
Workshops & webinars

