

**Brain Injury
MedTech Co-operative**


**National Institute for
Health Research**

Neuropsychological Rehabilitation

MIC Theme 11

Dr Andrew Bateman

Background

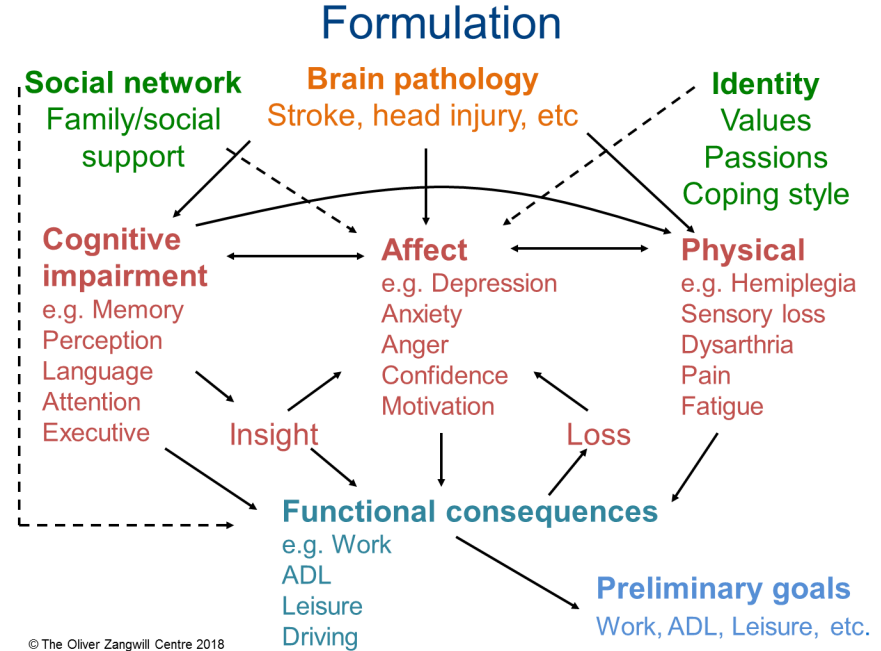
Neuropsychological Rehabilitation

Between 1.0 – 1.4 million people attend hospital in the UK annually with a head injury and of these approximately 135,000 are admitted to hospital

Rehabilitation involves a collaboration between survivors and professionals – working together to overcome disadvantage caused by brain injury to optimise participation in daily life.

Assessment – Formulation-Intervention-Evaluation Cycle at heart of all the work

A “litany of possible problems



TEAM - In addition to the OZC team - & clinicians around Cambs and Bedfordshire

- Luning Sun – Psychometrics
- Tom Manly & Polly Peers –MRC-CBU
- Fergus Gracey – UEA
- Nancy Devlin – OHE
- Helen Dawes Oxford Brookes
- Nele Deyemere Oxford
- International links –Brazil, Germany, Iran, Japan, Spain



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SMEs & Charities

- Health Bridge
- SilverCloud
- L2S2
- Animorph
- BrainCurve
- UKABIF

Assessment developments with L2S2

Current

L2S2

EBIQ (European Brain Injury Questionnaire) - Self-rating

How much have you experienced the following?	Not at all	A Little	A Lot
Headaches.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Failing to get things done on time.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Reacting too quickly to what others say or do.....	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Trouble remembering things.....	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Difficulty in participating in conversations	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Others do not understand your problems.....	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Everything is an effort.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Being unable to plan activities.....	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

1 2 3 4 5 6 7 8 9

About the patient
About you

Please try to make each page green by answering all questions. You can save your answers as often as you want by clicking Save

Please click Confirm when you are ready to submit your answers >>

Private & Confidential

Patient screen showing
partially completed
questionnaire,

Aiming to work on EBIQ
& DEX-R

** connection with
System1, automated
scoring, reporting

Interventions - pipeline

ANIMORPH

BrainCurve



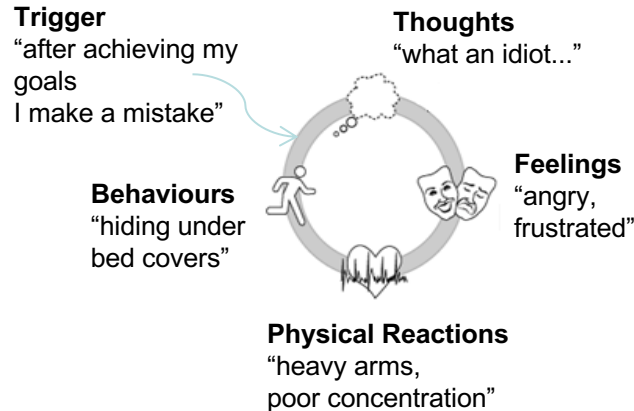
Online CBT next stage trial needed

App My TFB Cycles

? How.To... [Read more](#)

[Print paper version of the TFB Cycle](#)

[TFB Cycle](#) [View Cycle](#)



Reflective Diary

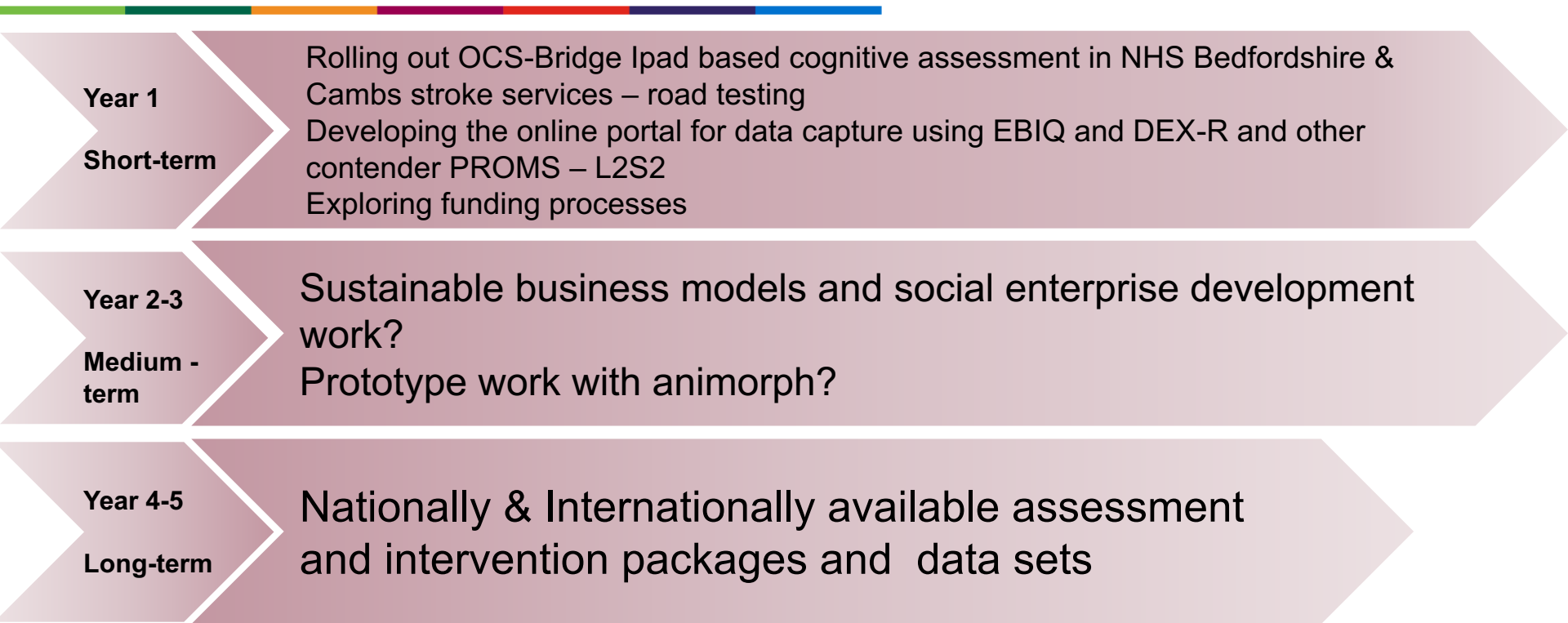
"I realised I was in a cycle but I did not realise the solution to escape it. Writing down the cycle helped. .

...It helped me to notice my feelings and confirm that I was going round in circles...to break out of the cycle".

Example of online self-management of mood after brain injury using cCBT

Strategy

Neuropsychological Rehabilitation

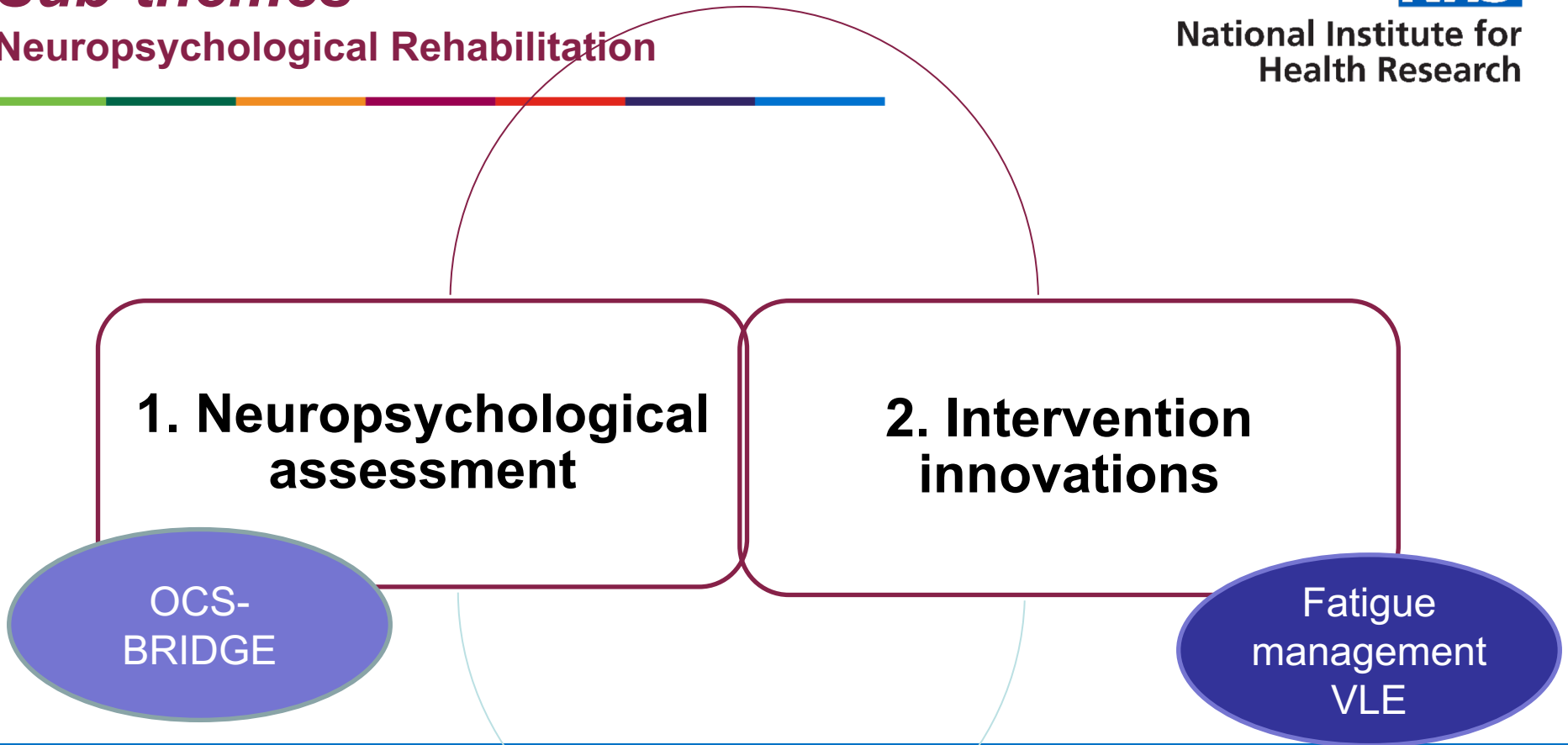


Sub-themes

Neuropsychological Rehabilitation



National Institute for Health Research



1. Neuropsychological assessment

2. Intervention innovations

OCS-BRIDGE

Fatigue management VLE