

Smart Phone Applications

for people with brain injury

The Project

The project *Implementing and evaluating Smart Phone Applications technology across the NSW Brain Injury Rehabilitation Program (BIRP)* aims to:

Provide web-based resources for clinicians

Evaluate the efficacy of Smart Phone Apps for people with brain injury.

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This document:

[B4_During_the_trial_measurement_tools_V1_09Aug11.pdf](#)

Is a list of measurement tools which may be helpful to establish if a Smartphone is being utilised effectively to make positive gains for the client or their caregivers. It includes measurement tools from three categories; carer burden, patient satisfaction and goal attainment. It is not an exhaustible list, and clinicians are advised to use it as a guide, selecting measures which target the client's individual goals.

It is available from: www.TBIStaffTraining.info

More Project information and further documents:

www.TBIStaffTraining.info

Ideas for Measurement Tools

Carer Burden Scale Options

- Modified caregiver strain index (MCSI) measures strain related to care provision across Employment, Financial, Physical, Social, and Time domains. 13 question tool
 - http://consultgerirn.org/uploads/File/trythis/try_this_14.pdf
- Caregiver Burden Assessment (CBA)
 - http://www.nysaaaa.org/Caregiver_Forum/CaregiverForumErieHandout09.pdf
- Zarit Burden Interview
 - <http://www.aafp.org/afp/20001215/2613.html>
- Carers' Assessment of Managing Index (CAMI) what carers rely on to manage
 - http://www.fas.nus.edu.sg/rg/doc/family/family_wp2.pdf
- Carers' Assessment of Satisfaction Index (CASI) Satisfaction they get from being a carer
 - http://www.fas.nus.edu.sg/rg/doc/family/family_wp2.pdf

Patient Satisfaction Options

- System Usability Scale
 - <http://hell.meiert.org/core/pdf/sus.pdf>
- IBM computer usability satisfaction questionnaires: psychometric evaluation and instructions for use
 - <http://drjim.0catch.com/usabqtr.pdf>
- Service Evaluation Questionnaire (SEQ)
 - http://www.acer.edu.au/documents/aussereports/AUSSE_Research_Briefing_Vol7.pdf

Goal Attainment Options

- Goal Attainment Scale
 - <http://www.biomedcentral.com/content/pdf/1471-2318-7-16.pdf>
- Number of environments or communication partners that the Smartphone was able to be used
- Time taken to train a client to use an assistive device