

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:

[B1_Before_the_trial_Smartphone_trial_criteria_V1_09Aug11.pdf](#)

Is a list of factors to consider prior to commencing a Smartphone trial. Factors are categorised into the following subheadings; type of injury, impairments and client factors. This document may assist a clinician to determine if their client is ready or suitable to trial a Smartphone as an assistive or compensatory device. The document is a guideline only and does not provide definitive information specific to every client.

It is available from: www.TBIStaffTraining.info

More Project information and further documents:

www.TBIStaffTraining.info

Smart Phone Trial Criteria

Type of Injury

- Client has sustained a brain injury including
 - o TBI
 - o Hypoxic BI
 - o CVA/aneurysm

Clients could have one or more of the following impairments:

- Organisation deficits
- Reduced attention span
- Inability to prioritise thoughts or determine the main idea
- Impulsive decision making
- Poor management of daily routine (e.g. missing appointments)
- Difficulty following a sequence or schedule
- Simplistic or concrete problem solving strategies
- Planning and following through with routine and novel tasks
- Memory deficits
- Slow thought processing
- Impaired comprehension
- Misunderstanding or misperception of subtle, abstract or complex information
- Impaired expression (including aphasia, dysarthria, apraxia, dysphonia)
- Impaired pragmatics
- Geographical or temporal disorientation
- Difficulty understanding cause and effect

Client Factors

- Client agreeable and motivated
- Family agreeable and motivated (if applicable)
- Undergone thorough SP, OT, neuropsych Ax
- Requiring additional visual or auditory prompting and repetition for optimal learning
- Minimal assistance to independent with self care
- Specific goal to increase independence in either educational, occupational or social roles with desired
- Basic reading and spelling skills
- Able to access Smart Phone either through insurance funding or personal purchase.