Effectiveness of Assistive Technology for Adults with Brain Injury

Jillian Willett, OTS
PICO Question

For adults who have sustained an ABI/TBI, is the use of an assistive device an effective compensatory technique for individuals with cognitive/memory impairments?
Article Review

- Personal Digital Assistants as Cognitive Aids for Individuals with Severe Traumatic Brain Injury

- Electronic Reminding Technology Following Traumatic Brain Injury: Effects on Timely Task Completion

- A mobile phone as a memory aid for individuals with traumatic brain injury: A preliminary investigation
Calendar Application

January 2013

30 31  1  2  3  4  5

6  7  8  9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30 31

10 AM  Case analysis

Mon Jan 14 2013

Tue Jan 15 2013

10 AM  Case analysis

Wed Jan 16 2013

7 PM  appointment Benita

Thu Jan 17 2013

8 AM  Slake lecture & pres...

Fri Jan 18 2013

8:30 AM  Vision in action conf...

Tue Jan 22 2013

1 PM  Body worlds vital tra...

Mon Jan 28 2013
Reminders Application

- Portfolio
- Slake lecture
- Business proposal
- Vision in action presentation
- Final paper CAT
- Paper outline
- Vision in action reflection
- World body

Completed
27 Life-Changing iPhone and iPad Apps for People with Brain Injury

*Revolutionary apps for simplifying everyday life with brain injury*

<table>
<thead>
<tr>
<th>Planning and Organization</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EverNote</td>
<td>Free</td>
</tr>
<tr>
<td>Touch Calendar</td>
<td>$ 2.35</td>
</tr>
<tr>
<td>Wallet Pro</td>
<td>$4.28</td>
</tr>
<tr>
<td>Corkulus</td>
<td>$4.99</td>
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</table>
EverNote
Memory Jar: Family Photo Journal (Evernote)

22 November 2012

Fun day at the beach

Today was such great fun. John and I took Maggie down to the Sandy Bay beach club in the afternoon for a little swim and a play.

It was really nice playing in the sand with her and building sandcastles too. Maggie had such a great time jumping in the waves as they came in. She hasn't stopped talking about it since.
Article Review

- Improvement Patterns Among Survivors of Brain Injury: Three Case Examples Documenting the Effectiveness of Memory Compensation Strategies
## Medication Reminders and Family Care

<table>
<thead>
<tr>
<th>Pill Time</th>
<th>$0.99</th>
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The Pill Time application will keep track of your medicines and remind you when you need to take them. After you set up your schedule, Pill Time will alert you on time even if the app is not running. You can enter as many medicines as you want and define multiple usage time and dosage per day per medicine.
Article Review

- A comparison of four prompt modes for route finding for community travellers with severe cognitive impairments
- App Support: OT Practice
- My Pictures Talk
- iPhone’s built-in “maps” feature
Implications for Future Practice

- Technology constantly evolving
- Lower levels of evidence
- Occupational profile: initiation, distractibility, inputting
- Promote greater independence
- Client-driven process
- Evaluation
Apps for Occupational Therapy: Find Apps for Your Practice area

By Stephanie Yamkovenko

If you feel like everyone has been talking about apps lately, it could be partly due to smartphone ownership in the U.S. doubling in the past 2 years—reaching 44% of mobile phone users in 2011. Although many people use apps for entertainment or personal use, it is becoming more common for health care professionals to use apps in the clinic. AOTA found in a recent poll that more than half of occupational therapy practitioners are using apps in the clinic.

We put together this comprehensive list of apps for occupational therapy practitioners, separated by practice area. Click on your practice area and find apps that you can use in the clinic with your clients (login required). We provide a description, price, and link to get the app on your device.

- **Children and Youth**
- **Health and Wellness**
- **Mental Health**
- **Productive Aging**
- **Rehabilitation, Disability, and Participation**
- **Work and Industry**

This database will be updated with new apps, so keep checking back. **We also need your help with finding the best apps for your colleagues.** If you have a favorite app that is not on our list, [click here and tell us about it](#).

References:
Funding/Resources

- ABI Waiver
- Brain Injury Trust Fund
- enTECH Loan Program