

OBJECTIVES:

- The participants will identify resources for ongoing recommendations of available apps for OT practice.
- The participants will experiment with recommended apps.
- The participants will identify resources for evaluating apps

- Electronic Information is exploding and showing up in many aspects of our lives
- Our clients are utilizing this new technology in their lives and want to implement it into their treatment and options for adapting to their new life

QIAT (QUALITY INDICATORS OF ASSISTIVE TECHNOLOGY)

http://indicators.knowbility.org/giat-list.htm

MARK COPPIN

 Send email and ask to be placed on his email list for free app notification

mark.coppin@annecenter.org

AOTA'S APP RESOURCES

https://www.aota.org/Practice/Manage/App s.aspx

CEREBRAL PALSY

 Thanks to Ashley Arafat, Ashley Khalil,
 Mahpara Khan, & Angela Zara Wayne State University SOT

INJINI <mark>injini</mark>

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Price: 29.99

- Price: 29.99
 Features Highlights:
 Subtle level changes support
 different stages of development
 Short tutorials model how to play
- each game Help button gives hints to boost 2
- confidence Clearly defined game starts and endings for a distinct learning 2
- experience Superb artwork, music and real voice files
- https://www.youtube.com/watch?v=ush8 8tWA_wk

PROLOQUO2GO

- Price: 249.99 Feature highlight: B Research-based vocabulary with three levels C 23 pre-programmed grid sizes C core words located consistently throughout the vocabulary for motor planning M any accessibility features for users with fine-motor an visual impairments C custonizable grammar support for verbs, nouns, pronouns and adjectives M ore than 60 natural-sounding free Text to Speech voices, including children's voices Contact: support Basistivewarc.com Contact: su







- FREE trial; Full version \$99.99.
 Feature Highlights:
 Vocabulary app that turns symbols into dear speech.
 It offers Janguage to nonverbal users who are not yet
 in full control of literacy.
- Sono Flex combines the benefits of structure an flexibility, providing a framework for language development, quickly matching individual and situational communication needs. 8
- It has been designed to be easy to operate and easy for SLPs, OTs, teachers, parents, caregivers or other communication partners to setup and customize. 18
- http://www.aactechconnect.com

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TALKITT

- Price: 19.99/month subscription -In many cases, individuals who are disabled with speech impairments find it extremely difficult to communicate, primarily because people around them have difficulty understanding their



TO BE NOTED:

The next few apps were specifically selected in regards to the stage of adulthood experienced by individuals with CP.

 ${\prime\prime}$ There is limited research on the issues that impact individuals with CP as they age. From the studies available, it has been identified that these individuals experience issues with communicating,

unsatisfactory or lack of access to healthcare, both of which may be mobility related.

Goals of these apps: Help older adults with CP maintain contact with their loved ones as well as their healthcare providers/services, as well as provide helpful resources for mobility to navigate their area.

MIFINDER

Price: Free Targets the adult population

- MiFinder is the world's first iPhone App to allow diverse communities, such as the disabled community to 'find' each other in real time, using GPS. MiFinder is unique in its approach as it enables users to find like-minded people to make firendas with, date and gain social support in their local area and everywhere they go, based on their exact location.
- Gabriel, the founder of the app, states: "The social needs of disabled people can be overlooked, they often need physical as well as mental support and they will find MiFinder a useful networking tool. The disabled community can sometimes experience difficulties socializing, as being home bound can limit the opportunity to travel to meet people."

MIFINDER CONTINUED

Features: B Search by life experience and/or community

8 Searches clearly displayed, by distance

8 Free instant messaging

8 Photo and location sharing

Advanced GPS options

7 Safe and Secure

- Personalised profiles
- 8 Full disability support



Asperger's

And more!

Hearing impairments Wheelchair users Depression New parenting Relocation Veterans Coping with loss Visual impairments Breast cancer



LIVEHEALTH ONLINE

Price: \$49/visit, copays depending on insurance coverage Targets the adult population

Livehealth Online is a telemedicine service which lets you make a video call with the on-duty doctor. The doctor can further provide you with the right diagnosis and prescription. This type of healthcare application becomes much easier to access for individuals who are disabled. The biggest advantage of LiveHealth Online is that it accepts insurance plans as well. You can always see the cost before the appointment is confirmed.

 Michigan is one of the states that allow prescriptions to be prescribed over these visits!

More info: https://www.livehealthonline.com/about



LIVEHEALTH ONLINE CO

- Pros: . Eliminates need for travelling Easier and quicker access to healthcare Cons:
 - These doctors cannot prescribe controlled substances - This may include some pain medications, which would be expected to be requested by adults with CP as this is one of their more common complaints

CONTIN	UED
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Live Heal	An a form the f



ONLINE



Price: Free Targets the adult population AXS Map is a crowd-oxourced accessibility of businesses and places. Imagine being in a wheelchair and suddenly having the accessible world at your fingertips via web or mobile phone; AXS Map provides new freedom to be spontaneous about choices- where to eat, shop, work or play, AXS Map creates a community of people who care about access, and opens doors to a new world. AXS Map is available online or via mobile web, as well as Android and iPhone anolicrations.

applications. Check it out: axsmap.com

Cons: Still somewhat new; Detroit area has not been thoroughly "mapped" yet but can be helpful





- Price 9.99 -Can be accessed via: iPad iPhone and Mac. -People learn differently and the note-taking app Notability embraces this notion. Paper and penil can be difficult to use, especially with deficits in more skills. Althetical and dysidnetic novements may make it difficult for an individual to hold their pencil and take tegble notes:
- Combine handwriting, photos and typing in a single note to bring your projects to life. Use a wide range of note-taking and sketching tools to capture every detail. You can even add and annotate PDFs in Notability, allowing you to import lectures, presentations and forms straight onto the app from an email attachment.
- Notability allows users to input text with a keyboard or using their finger to write each letter. Notability also allows users to draw diagrams and highlight. Users can even zoom in on their notes if they have trouble with visual acuity.
- Additionally, those who have vision problems and excel through listening will certainly find the app's audio recording component useful.





- Price: 3.99 Festure Highlights Solution in the set of the set of



Thanks to Caitlin Bertch, Madison Brewer, Francine Goryoka, Israa Mazloum, Kaitlin Schnur, & Sara Seidarabi

- Application details:
 O Text-to-speech
 Variety of formatting controls,
 to make use easy for all uses
 Abud storage
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 Abud



back to you with synchronised highlighting	so it's easier to read
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spokes. The the screet to proce the 'target point' in the	Tap the screen to place the 'career point' in the last. Than tap the May
text. Then tap the Play icon to start speaking. The text will be spoket	- B 7 U m main R 0 W E R T V U 1 0 0
from the start point with the highlighting and	ABOFOHJKL







- Individuals in the <u>early</u> stages of ALS may experience fatigue

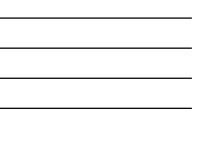






PaceMyDay

Bettings.





Home - Late Stage

 Individuals in the <u>late</u> stages of ALS may experience muscle weakness and issues with coordination.



- The iRule app uses a combination of software and hardware to control home devices
- <u>Purpose</u>: It uses Wifi to communicate with just about any Wi-Fi-enabled device, including A/V equipment, lights, thermostats, shades and blinds, network compare, security externs, and more





Early Stage - Smail Talk

- SmallTalk consists of 14 apps: Oral-Motor Exercises, Dysphagia, Pain Scale, Conversational Phrases, Daily Activities, Intensive Care, Greetings, Tongue and Lip Exercises, Days/Months/Dates, Letters/Numbers/Colors. Phonemes
- Individuals with Limb onset early stages may not need adaptive equipment for communication
- Main symptom is slurred speech and fatigue







Late Stage -GazeSpeak

- Pending App,enables one to tall
- Listener points the smartphone on the speaker's eyes, speaker communicates via state, blink, wind
- The app will generate commonly used words to predict what the speaker is trying to say
- During the late stages of ALS, speaking is nearly impossible or impossible for most but eye muscles remain intact (used for compensation) communication)





Early Stage - Pigment

- Hand curated, professionally drawn illustrations
- 21 different kinds of pencils, markers a brushes, and an unlimited number of colors
- Share pix with family and friends or prin them!
- Good to relieve stress from anxiety and depression - common in ALS
- Bucket cursor option allows one click
 to blank space to fill in color
- O iPad can be used for a larger medium to draw on vs. a iPhone
 O Can use finger vs. grasping a stylus
- Bulbar onset No issues in early stage!





Middle Stage -Audible

- Instentol In the moderate stage of ALS physical impairments may make it difficult for a client to flip through, book or marging an e-reader Physical demands = requires searching the application and tapping the play batton. Limb onset: It client's muscles are too weak -s anglication for him/her and just start the autifies application to that the client can listen. Can be used to justor can builton



Late Stage – ii-Music for EyeGaze



Early Stage -AbleRoad



Late Stage - S&L Transportation

Professional and reliable wheelchai stretcher & handicap transportation service. Allows individuals to schedule pick-up days/ times, track location of their transportation and

Limb onset: During the late stage of ALS, driving is prohibited due to loss of motor function resulting in weakness and decreased reaction time: and cognitive changes.

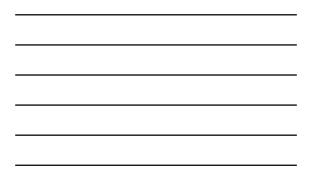




Early Stage -Locabulary

- Purpose: Uses one's location to generate phrases to communicate any needs or conversation starters
- Custom lists of phrases can be stored on the iPhone or in the Locabulary Cloud
- An example: If the user us at a coffee shop, the app will generate a suitable phrase "I would like an Iced Coffee" or "I am allergic to dairy"

Locabulary	8	Second	Keyboard	04	<u>(#</u>	My Phrases	
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Middle Stage -Healthcare Communication App

- Features 7 pages of 276 original hand-drawn icons displaying ailments (illness), wants, needs, questions and foot dealers
- The app can be arranged so that text is written in one language and spoken in another

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Late Stage -ACCI Choice

- Provides greater customization and can be accessed via direct touch to the multi-touch display or with switch access.
- Offers choices of communication apps and a wide selection of protective cases.
- Can be mounted to a wheelchair, mounted on a tabletop or carried with a shoulder strap or carry handle depending upon the case





Communication- Adolescents

App: Dragon Dictation

Description: Dragon Dictation is an easy-to-use voice recognition application that allows you to easily speak and instantly see your text or email messages.

Android or iOS: Both

Condition: Low or impaired vision

Price: Free

Pros: Five times faster than typing on a keyboard.

Cons: A noisy environment may prevent accurate word translation.



Low Vision

Thanks to Kelsey Hall, Merilyn Paul, Danielle Spuhler, Chelsey Reaume, Taylor Talbot

Wayne State SOT

Communication- Adult

App: EchoDot & Alexa App

Description: Control most electronic devices through voice activation. The Amazon Echo Dot voice-controlled device turns any home into a smart home with the Alexa app on a smartphone or tablet.

Android or iOS: Both

Condition: Conditions leading to poor vision and blindness

Price: \$49

Pros: Can be controlled at a distance and with multiple devices.

Cons: Technical connection issues



Communication- Older Adult

App: ClariaZoom

Description: Turns an Android into a phone with the most basic features and makes navigation and accessibility much easier with its large interface, simple text driven menus, very large texts, bigger keyboards and speech recognition available everywhere.

Android or iOS: Android

Condition: Low vision

Price: Free

Pros: Simple and user friendly.

Cons: The many features may require longer learning time.



Home & Community Accessibility- Adolescents

App: Examine Clothes Color

Description: Enables individuals who have vision deficits to use their phone to help them independently pick out clothing to wear. The individual can take pictures of clothes and the app will read the color and pattern detected on the clothes.

Android or iOS: iOS

Condition: Blindness, color blindness

Price: Free

Review: Great reviews on AppleVis

Pros: easy to learn and use, has VoiceOver, free

Cons: Need adequate lighting for taking photos, does not detect stains.



Home & Community Accessibility- Adults

App: Google Home app

Description:

Android or iOS: Both

Condition: Low vision, impaired vision, blindness

Price: \$129.00

Pros: Controlled through multiple devices, can manage away from home, multiple capabilities

Cons: May require professional installation of smart appliances such as the thermostat and lights and configuration to Google Home. Requires time to learn to use.



Home & Community Accessibility-Older Adult

App: Aipoly Vision

Description: Deciphers a visual scene to help the individual with low vision explore their environment. For example, the user points the phone's rear camera at an object and hears feedback on what is being 'seen' by the camera, without having to take a photo.

Android or iOS: iOS

Condition: Blindness, color blindness

Price: Free

Review: 2.5/5 stars

Pros: Don't need to take pictures like other object recognition apps. It does not require the internet or a third party to help decipher the visual scene

Cons: Misidentification of some objects, needs adequate lighting



Information Technology- Child

App: Ballyland Magic app

Description: This app helps kids learn basic skills to use a mobile touch screen device.

Android or iOS: iOS

Condition: low vision or blindness

Price: \$2.99

Pros: no experience needed by child or parent /teacher, built in speech, gives feedback, high contrast images

Cons: Only available in English and Italian



Information Technology - Adolescent

App: Soft Braille Keyboard

Description: A Braille keyboard that can be used in any application where a keyboard is displayed

Android or iOS: Android Condition: Blindness 000

Price: Free

Pros: Includes many features such as spell checking, voice dictation, text manipulation features, word count, autocapitalisation and more. Braille tables available for many languages. Can be used on large screens like tablet and smaller screens like on phone

Cons: Requires time to learn to use



Information Technology - Adult

App: JAWS

Description: Screen reading software whose vision loss prevents them from seeing screen content or navigating with a mouse

Android or iOS: N/A

Condition: Conditions leading to poor vision and blindness

Price: \$895

Review:

Pros: can read PDFs, voices for 30 different languages, Braille output, supports all standard Windows applications

Cons: privacy issues, price, can be very complex if use more advanced features



Information Technology - Older Adult

App: BIG Launcher

Description: An app that provides a simple and easy to read interface that makes a phone easier to use

Android or iOS: Android

Condition: Low vision, blindness, autism

Price: \$10

Review:

Pros: enlarged icons and font, high contrast, personalizable, multiple languages, text to speech capability

Cons: Takes practice

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Community Transportation & Driving- Adult

App: BlindSquare

Description: A self-voicing GPS app for people who have vision impairment that announces intersections and points of interests such as restaurants, cafes, and stores. It enables individuals with vision impairment to navigate their community independently.

Android or iOS: iOS

Condition: Blindness, low vision, macular degeneration

Price: \$39.99 Review: 4.5/5 stars



Pros: Works with AfterShokz headphones Cons: Relies on internet connection

Community Transportation & Driving- Older Adult

App: Uber

Description: Request and pay for taxi service with your smart phone for transportation in the community.

Android or iOS: Both

Condition: Low vision, Macular Degeneration, Legal Blindness

Price: Free, however it costs money per ride

Pros: Easy to use, quick

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Cons: Does not operate in some rural settings. Costs money. May need someone to set up your account with payment information.

Play & Leisure- Children

App: Peekaboo Barn

Description: Teaches cause and effect, works on fine motor skills

Android or iOS: Android & iOS

Conditions: Low or impaired vision

Price:\$1.99

Pros: Simple, high contrast, and several languages available.

Cons: Pronunciation is off in the child's voice (wabbit vs. rabbit), needs more animals.



Peekaboo Barn

https://www.youtube.com/watch?v=s1duYSn98Mk

Play & Leisure- Adolescent

App: Braigo Accessibility Companion App

Description: Converts text to audio

Android or iOS: iOS

Condition: Low and impaired vision, blindness Price: Free

Pros: Portable, can be used at restaurants, on Facebook, newspapers, and road signs.

Cons: New, problems with crashing, works differently on social media websites, limited on textual descriptions on images



Braigo Accessibility Companion

https://www.youtube.com/watch?v=1v1DMoMFxqw

Play & Leisure- Adult

App: NFB-NEWSLINE® Mobile

Description: News, weather, tv listings, at the touch of a button

Android or iOS: iOS

Conditions: Blindness, low and impaired vision
Price: Free

 $\label{eq:pros} \ensuremath{\text{Pros:}}\xspace$ easy navigation, 300+ newspapers, 40+ magazines emergency weather and 7 day forecasts, job listings, tv listings, and retail ads.

Cons: Problems with crashing, must be an NFB-NEWSLINE® subscriber with a valid identification and security code.



NFB-NEWSLINE Mobile

https://www.youtube.com/watch?v=ovUH3pCxuvQ

Play & Leisure- Older Adult

App: Cards That Talk App

Description: Utilizes the camera on iPhone or iPad to tell the player what card(s) they have Android or iOS: iOS

Conditions: Blindness, low or impaired vision Price: Free

Pros: Can use headset for privacy, will work with bluetooth braille display, and will continuously scan cards.

Cons:Must purchase special deck of cards for \$16.95.



Cards That Talk



School: Toddler/Preschooler

App: EDA Play

Description: Created by specialists in visual impairment to help children with visual impairment to train vision, and improve fine motor skills. Uses a black background, bold colors and large pictures to complete 40 different tasks.



Condition: Children with visual impairments

Cost: \$4.99

Pros: Uses a contrasting background, large picture, bold colors and several activities.

Cons: Could not be used for individuals with severe visual impairment or blindness



School: Children

App: Braille Bee

Description: Teaches braille through a fun interactive game for children. Syncs with a refreshable braille display device.

Android/iOS: iOS

Condition: Any type of visual impairment/sighted individuals

Cost: \$2.99

Pros: Uses fun interactive games to help teach braille, and spell words. Uses contracted/uncontracted braille.

Cons: Not all games are functional for a person with severe visual impairment or blindness.



School: Adolescents

App: Learning Ally

Description: An educational reading app for individuals with visual impairments. Provides books/textbooks and audiobooks. Uses audio, larger text size, and a highlight feature.

Android/iOS: iOS/Android

Condition: Any type of visual impairment

Cost: Free with documentation of a disability that requires this app

Pros: Allows a student with visual impairment to be able to read textbooks with larger text and see the highlight feature or the use of audio.

Cons: Textbook selection



2's Library

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Pearson Algebra T Common Core	
CLASSIC AUGIO	

Work: Adult

App: Dragon Mobile Assistant

Description: Uses text to speech, and speech to text to help read and write documents needed for work.

Android/iOS: Android

Condition: Any visual impairment

Cost: Free

Pros: Gives an individual more independence to be able to complete tasks at work. Uses voice over and hands free technology. Has text to speech and speech to text.

Cons: Only can be used by Android, and may need wifi or data to access app.





Hearing Impairment

Rachel Melcher, Jenell Nadolski, Alyssa Sanders, Sarah Termini, Kathleen Zintsmaster

APPS FOR HEARING IMPAIRMENT

Infant

- Behavioral Hearing Screening Application Screens for newborns 2 weeks to 6 months Produces 60-70 dB of mother's voice .
- :
- Free! •
- Step by Step instructions for use Available for iOS





Toddler

- Instruction for more than 300 ASL signs
 More than 45 min of instructional video
 Practice quizzes
 Available for IoS and Google Play
 Cost effective: \$1.39





My Smart Hands

Toddler

Baby Sign and Sing

- Provides video nursery thymes performed in ASL
 Additional features: exploring signs and signing tutorials
 Cost: Initial download with one song is free. Addition songs ~51, 99-53.00.
 Available on Google Play for Android and IOS







- Award winning app with 4 specific features made specifically for individuals with hearing impairments:

- specifically its individuals with hearing importants: Factor-5 are Compared to the technology to transcribe spoken indigates and the technology to transcribe spoken indigates and to the peel risk of the age and then reading the specific specific specific specific compared to the specific specific specific and specific specific specific specific specific and specific specific specific specific specific compared to the specific specific specific specific compared to the specific specific specific specific compared to the specific specific specific specific specific compared to the specific specific specific specific specific compared to the specific specific specific specific specific specific compared to the specific specific specific specific specific specific compared to the specific specific specific specific specific specific specific compared to the specific spec



Let Me Hear Again Android App

Childhood

Play/Leisure



FriendStrip Kid Pro
Comic strip app which lets users customize comic strip stories using their own photos and text
Features a set of story templates, which appear like a comic strip, and users can then build up
their own story
Accessible and inclusiva ego for deart children because it is based entirely on visual content
Free for both IOS and Android tablet users



Charades App • Fun game to guess the word or phrase before time runs out • Different challenges including dancing, singing, acting or sketching • Free for both IOS and Android

Adolescence



This closed captioning application translates all your phone calls to text right on your screen. It can also be hooked up with any phone, meaning you can plug it into your work phone or home phone as well, and still see the conversation writhen uot on your iPhone's screen. Clear Captions translates the entire conversation, so if you miss something, you can scroll up to reread it.

Requires iOS 6.0 or later for iPhone, iPad or iPOD touch, Android.

Cost: Free



Listens to sounds around you and turns into visual and sensory alerts. These alerts can be displayed on a smartphone, smart watch or other portable smart devices to alert users to an extensive variety of indoor and outdoor sounds.

Cost: \$8.99





Adulthood

- Modulates the loudness of the sonic environment for hearing impaired
 Processes sound received by the
- Processes sound received by the microphone in real-time - delivers the processed sound via headphones
- Enhances comfort and sound quality for the listener
 \$6.99
- http://www.aud1.com/



APPS FOR COGNITIVE IMPAIRMENT

 Thanks to Celeste James, Lindsay Konal, Will Gillis, Kevin Piper, David Burke, Ryan Barbour

Wayne State SOT

Apps for Down Syndrome

Special iApps

- Developed by parents who have children with Down syndrome
- Visually clear and simple: no distracting backgrounds or noises
- Easily personalized, and designed to grow with the child
- Enable learning in small steps, with no negative rewards
- Recommended by Down syndrome organizations around the world
- Creating a teacher's manual and training workshops





Speech, Recognition of Words & Objects



Why are we Recommending this App?

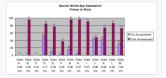
- Clear and distraction free
- Can also be controlled using Bluetooth and USB switches and keyboards
- Can easily be personalized with your own words, photos and voice if child has mastered the preprogrammed words
- Monitors child's progress



The Durham iPad Project - Special Words

June 2012

- 13 children from 6 schools, aged 3-7 years, with a range of communication and language difficulties
- Used Special Words app for 10-15 minutes a day for 12 weeks
- Enhanced communication, language, literacy skills, word recognition, listening skills, attention



https://www.specialiapps.org/pdf/durham-ipad-project-report-june-2012.pdf

Reading Skills, Communication, Social Skills

Special Stories (\$12.99)

Easily create stories with photos, text and audio, for many uses including:

- Improving reading skills
- Encouraging development of spoken language
- Helping with social skills
- Explaining step-by-step tasks

*Also very useful for children with Autism

 \rightarrow Cognitive range: 4 years and up

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 Image: Control of the section of the section

https://www.youtube.com/watch?v=QfdXjblkm78

Why are we Recommending this App?

- Clear and distraction free
- Social stories proven to reduce anxieties before an event
- · Ability to share stories across different platforms
- Switch accessible
- Can arrange stories into collections

Working Memory, Matching, Sequencing

🍰 Match & Find (\$7.99)

- Memory, matching, searching and sequencing skills
- Activities in this app can help children improve their auditory and visual working memory
- Working memory is very important for the development of language
- \rightarrow Cognitive range: 2-7 years



Why are we Recommending this App?

- Switch accessible
- Clear and distraction free
- Set the level of difficulty
- Choice of colour scheme to assist visually-impaired children
- Used for children with other learning disabilities
- Can adjust animation speed if more time to process is needed

Communication and Sequencing



iPrompts (\$49.99)



Provides visual structure to people with cognitive impairments

Visual schedules Visual countdown timer Audio prompting Choice prompting Video demonstrations

Why are we Recommending this App?

- Encourages decision making
- Gives practical examples of social situations
- Visual structure helps break activities into smaller easy to understand steps
- Used for multiple diagnoses



Traumatic Brain Injury

Cognitive Issues Symptoms can range from mild to profound: Attention Concentration problems Problems with processing and understanding information

Problems learning and remembering new information Planning Problems Organization Problems

HOW TRAUMATIC BRAIN INJURY (TBI) AFFECTS DAILY LIFE



Working Memory

Flashcards Deluxe (\$3.99 IOS or Android)

Flashcard app which can be used to study just about anything you want.

Built in dictionary, capacity to include pictures and sounds, zoom into pictures, and auto-repeat sounds on the cards.



Dual-N-back (Free IOS)

N-Back is designed to improve your working memory through actively memorizing and recalling information.

Why are we recommending these apps?

	<	Add Deck	0
Ability to practice memory skills		Quizlet Flashcards	>
Ability to practice memory skins	Flashcard Exchange		>
Customizable		💭 Shared Library	>
Useful for people with or without memory deficits		Private Deck	>
		Empty Deck	>
Compatible with many existing flashcard programs			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Combination Deck	>
Challenging and fun			
	💝 Dropbox		>
		📤 Google Drive	>

Attention, Problem Solving, and Memory



Lumosity (Free or \$79.99/year for premium)

Brain exercises targeting memory, attention, speed, flexibility, and problem solving. You can design your own personalized training

Including "courses" with TBI- and/or PTSD-specific content.

Free version(IOS, Web)

Why are we recommending this app?

- · 85 million+ users; countless reports in significant and lasting improvements in core cognitive abilities
- Exercises are graded as user ability increases
- Provides immediate, detailed analysis of performance regarding strengths, weaknesses and cognitive patterns (personalized training)
- Available in multiple languages (English, German, Japanese, French, Spanish, Portuguese)



Memory and Planning



ICE (In Case of Emergency) \$1.99

Keep a list of your medications and allergies

Health insurance info

Emergency contact list (doctors and family members)

Locate hospitals nearby in case of emergency

Why are we recommending this app?

- Compensates for memory deficits that are common with TBI
- Safety is always a primary concern and this app will ensure that their personal health information is available when needed

Ability to personalize

Clear and easy to set up and read through



Organization, Memory, Planning



Free	IOS.	Androi	d)

* Paid version available for advanced functionality.



Why are we recommending this app?

Helps families stay organized and keep in touch Allows multiple family members to update and manage the account

Provides structure and reminders for daily events Can be used with multiple disabilities

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100	 Agentation = 	
	Anne To Do	
	Shared To Do	
	David To Do	
	Emily Daily Chores	
•	Ryan Daily Chores	
	Organize Lists	
	New List	

Dementia

Memory



Picture Scheduler (\$2.99)

- Optimized for creating and organizing personal daily life tasks.
 - Visual tasks with attached audio, video or picture.
 - o Tasks can be set to an alarm that is repeated daily, weekly, or monthly
 - o Tasks can also be categorized for organization
 - o One the task is complete, you can hide it and reveal it later.

Why are we recommending this app?

Can easily be memorized with your own voice and photos.

Clear and easy to navigate through

Alarms can be set throughout the day for reminders to complete tasks at the appropriate time

Reinforces a consistent schedule

	Tasks	
5	Make a breakfast	0
J	Brush your teeth	0
0	Go to work	0
	Go to the shop	0
	General	0

Executive Functioning, Memory, Attention (etc.)

E PEAK- BRAIN TRAINING (free)

- Peak is a brain-training app with more than 30 games designed to challenge cognitive skills.
- Developed by neuroscientists, this app offers short daily workouts and personalized games that will adapt to
 each user's skill level and help track progress using in-depth performance analytics.
- The free games challenge your creativity, emotion control, mental agility, problem solving, attention, memory, and language.
 - o In app purchases can be made for upgrades (\$4.99-\$34.99)

Memory

[It's Done (\$2.99)

- Provides a checklist for life's everyday critical tasks such as:
 - Locking doors
 - Feeding pets
 - Taking medication
 - · Turning off the stove
- "...ideal for those suffer with short-term memory loss due to brain injury, dementia, or other related medical conditions"

Social Cognition and Behavior



Increase social engagement with family

Increase feelings of connection to events that are occurring through friends and family video calls.

- Can have social participation from the comfort of one's own home.
- Can help with delaying the progression of social cognition and behavioral declines by interacting with friends and family members through video calls.



Why are we recommending this App?

Individual can stay engaged in family members lives on a daily basis even if they don't have the energy to physically be with them.

Individual can talk face to face with friends/family members

Individual can share photos, video messages, and share their location with their family members.

*Logitech TV cam HD- With Skype software and Wi-Fi built into the camera, no computer is required, and you can make HD Skype video calls while sitting on the couch in front of your TV, for better viewing of family calls, friends, and more convenient than keeping track of an ipad, tablet, or computer.

Perceptual Abilities/Reasoning and Memory

The find My Friends (Free)

Allows you to easily locate friends and family using your iPhone, iPad, or iPod touch.

Share location with friends and family by choosing their contact or email address and inviting them to share.

Find my friends allows you to set up location based alerts that can notify you automatically if a client leaves their house or arrives home safely.

You can also set up notifications that alert you when a client arrives at a certain destination including a doctor's office, grocery store, etc.

Why are we recommending this App?

In regards to individuals with Dementia, safety is a primary concern.

The "Find My Friends" App helps family members, caregivers, and clients feel safe with GPS technology that can locate the client in cases of confused wandering.

The client will also have less anxiety from an increase in perceived safety. This help with delaying the progression of Dementia and exacerbation of symptoms.

Family can also be notified when client arrives at a destination, which contributes to the client's and family's feeling of safety.

If the client decides to wander without a phone, you can recommend purchasing an apple watch that the client could wear continuously and could be tracked at all times.

Multiple deficits and caregiver support



MindMate has become world's highest rated software for seniors, and people living with memory problems, such as Alzheimer's and dementia.

"MindMate is not your ordinary Alzheimer's or Dementia App. MindMate is like a friend and guardian angel" It makes persons with dementia more independent, with the help of useful reminders, to-do lists etc.

Why are we recommending this App?



MindMate (Free for apple products)

It improves the caring process, with the help of a separate dashboard that allows a remote access to the patient's app for family members or care members.

- It gives family-members a greater peace of mind by tracking and monitoring the progress of the person with dementia.
- This app will help a person with dementia improve their self-management, be independent as long as possible, and the app will help the person to treasure the most important memories, as well as provide games, brain/body exercises, and reminders.

APPS FOR INDIVIDUALS WITH QUADRIPLEGIA

 Thanks to Samaah Abboud, Katie Lafrinere, Jordan Mulders, Michelle Polec, Alex VonBehren

Wayne State OT students



· Hand-free/voice activated

- Provides 360 degree omni-directional audio.
- · Recognizes voice from across a room while music is playing and continuously gets smarter while learning what the individual uses.
- Plays Music
- · Can Sync to Smart Devices
- Many Other Uses..
- Cost: ~\$180

Switch Control for iOS

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- The Switch Control can be used to navigate iPhone, iPad, or iPod touch.
- · Free (Included in all iOS devices)
- Allows you to use a single switch or multiple switches to access different options on iOS devices.
- You can use this to select, tap, drag, type, and freehand draw.

Tecla Shield



- Allows those with limited upper body mobility to access their touch screen devices
- It makes it possible to use both iOS and Android smartphones and tablets, as well as computers. All are accessible using assistive buttons, switches or wheelchair driving controls.
- Wirelessly linked to the wheelchair driving controls such as joystick, sip-and-puff controllers, head arrays and other buttons in general that are not wheelchair driving controls to smart devices.

Cost: \$349

Sixth Digit Stylus



- Ring stylus used to click on keys and use stylus tip on touch screens
 Cost: \$30
- Cost: \$30
- Comes in 3 different sizes that adjust to digit
- Shoulder/elbow function should be present to control the tool
- Increases independence in using touch-screen technology and computers

Pillboxie



- This app provides an easy, visual way of remembering to take medications
- Schedule reminders by selecting pill shape and color, and dropping a virtual pill into a pillbox.
- · Pillboxie will alert you on time, even if your device is sleeping.
- Compatible with Apple devices, \$1.99



- · A digit reading app that has classics, bestsellers, and audiobooks for all ages
- · Can be personally formatted (fonts and colors) Can be navigated using Apple Switch Control
- · Use a switch to turn pages of the e-book. · Auto-night theme - prevent eye strain
- Free app Book costs vary

AbleRoad



- · Locate, rate, and review accessible places: Restaurants, stores, hotels, grocery stores, salons, theaters, etc
- Information and access ratings on: · Parking, restrooms, paths to entrances, lobby,
- counters/registers, signage, and interior access Compatible with iPad, iPhone, and iPod touch May require wifi or data connection for use
- . Free App

Tobii Dynavox-PCEye Mini



- Small eye tracker that is plugged into one's personal laptop or desktop to replace the standard keyboard and mouse
- Allows one to navigate and control one's computer using only his or her eyes. It is plugged into the computer through a USB port and attaches through a magnetic mounting bracket
- Allows them to control their computer with their eyes
 instead of using their affected upper extremity
- Cost: \$1,995.00

Keeble- Accessible Keyboard



• Cost: \$24.99

- Adaptive iOS keyboard for individuals with fine motor deficits, visual impairments, or switch users
- Supports Apple Switch Control and VoiceOver features
- Compatible in almost all apps on an Apple device
- Features: Word prediction, timing options, select on release, select on dwell, auditory feedback, etc.

WHAT ARE SOME OF YOUR FAVORITE APPS?

 As we share, lets develop a resource list that we can have on MiOTA's website with the ability to add to as things are updated.

CONTACT INFORMATION

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