

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the left and right sides of the frame, creating a modern, tech-oriented aesthetic.

**Who Would've Thought...  
A Computer in Our Pocket!**

# Presenters



Jennifer Cunningham, OTR/L, ATP  
Assistive Technology Professional  
[jennifer.cunningham@star-center.org](mailto:jennifer.cunningham@star-center.org)



Shelby Bawcum, COTA  
Assistive Technology Specialist  
[shelby.bawcum@star-center.org](mailto:shelby.bawcum@star-center.org)



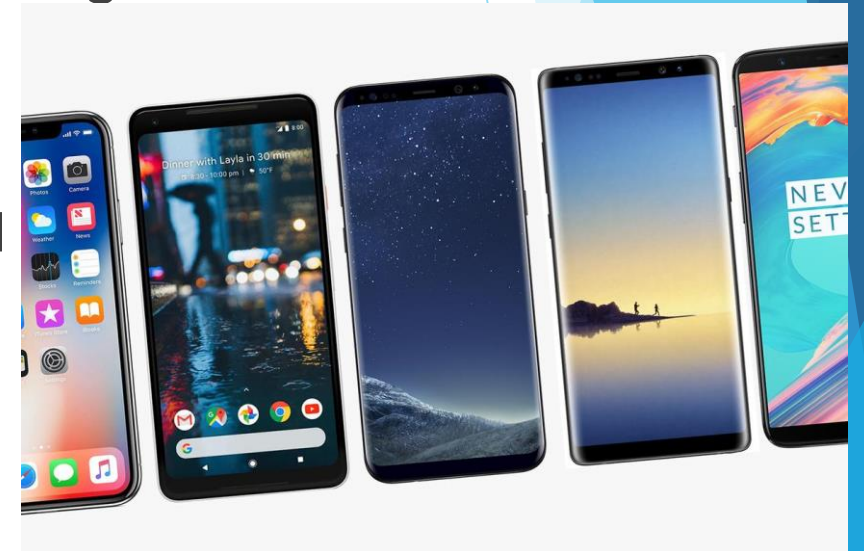
In 1988, Margaret and Chuck Doumitt realized the need for disability resources after two of their children were diagnosed with Batten's Disease. The STAR Center is headquartered in Jackson, Tennessee, though we have an office in Nashville and our Assistive Technology team serves individuals in all 95 counties across the state.

# Smartphones...A Computer in Our Pocket!

With the progression of smartphone accessibility features and apps over the last 20 years, the way we live, work, and play has been drastically transformed into something we could have never imagined. For many people, a smartphone can actually replace electronics like an old laptop, digital music player, and digital camera in the same device.

Smartphones are...

- ▶ designed to be extremely portable and fit in your hand
- ▶ a more powerful version of a traditional cell phone
- ▶ powerful enough to do many of the same things you can do with a desktop or laptop computer
- ▶ able to connect to the Internet over Wi-Fi or a cellular network
- ▶ touch-sensitive, meaning there isn't a physical keyboard on the device

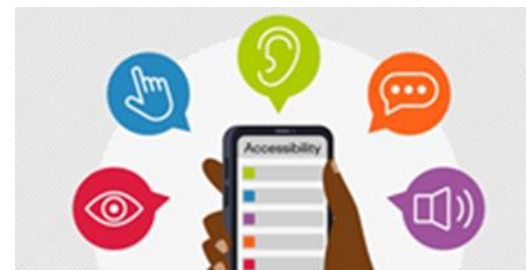
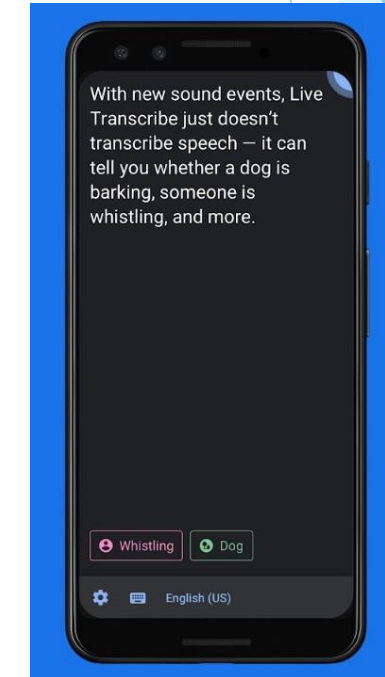


# Tips to Make a Smartphone Less Visually Cluttered

- ▶ Confirm the operating system and commonly used apps are up to date
- ▶ Change the wallpaper to a solid background (usually dark)
- ▶ Remove any unused icons from the home screen
- ▶ Go to Accessibility in settings and change font, contrast, etc.

# Smartphone Accessibility

- ▶ Magnifier
  - ▶ Allows the device camera to be used like a magnifying glass
- ▶ Zoom (iOS)/Screen Magnification (Android)
  - ▶ Provides magnification of the device screen
- ▶ Spoken Content (iOS)/Select-to-Speak (Android)
  - ▶ Verbalizes specific text on the screen
- ▶ VoiceOver (iOS)/TalkBack (Android)
  - ▶ Reads the entire screen with use of gestures
- ▶ Live Captions (iOS)/Live Caption & Live Transcribe (Android)
  - ▶ Turns spoken dialogue into written text
- ▶ Voice Control (iOS)/Voice Access (Android)
  - ▶ Controls the device hands-free
- ▶ Assistive Access (iOS only)
  - ▶ Simplifies the smartphone layout



# iPhone Assistive Access





# RAZ Phone

- ▶ Store photos, names, and numbers of up to 6 people for one touch dialing
- ▶ One screen only
- ▶ Dedicated emergency button
- ▶ Phone costs around \$350
- ▶ Verizon network for service
- ▶ Get 3 months of wireless service with purchase of phone and then only \$20/month after that.
- ▶ Remote Management - Caregiver has an app that will manage all aspects of the phone including creating and editing contacts, sending reminders, limiting incoming calls to specified “allowed” numbers, monitoring battery status, location tracking, changing volume, etc.
- ▶ Low Vision mode option, but only for 2 contacts





# Jitterbug Smart4

- ▶ Android phone
- ▶ Menu screen layout
- ▶ 32 GB of memory
- ▶ Urgent Response button
- ▶ Android Accessibility features
- ▶ Verizon network for service
- ▶ Best Buy or online-\$150 or less
- ▶ Calling plans through Lively-\$20 to \$50 per month



# Smartphone Apps



iOS/Apple



Android/Google



Microsoft To Do



**todoist**

Todoist



Facebook



Messenger



Microsoft Teams



Zoom

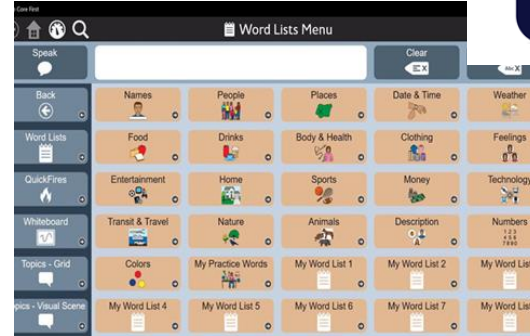
# Smartphone Apps - Part 2



Medisafe



Pillboxie



TD Snap



Speech Assistant AAC



MedicalID



Ava



HandTalk



# Medisafe App

## MediSafe Meds & Pill Reminder Improve Your Health in a Mobile Minute



### Health-e-Apps

**Presented by:**  
**Dr. Kendall Ho**  
Emergency Physician Professor,  
Department of Emergency Medicine, UBC

How can mobile apps help you  
achieve health and wellness  
goals?



THE UNIVERSITY OF BRITISH COLUMBIA  
Faculty of Medicine  
Department of Emergency Medicine

**iCON**  
interCultural Online  
Health Network

# Smartphone Apps- Part 3



Pacer



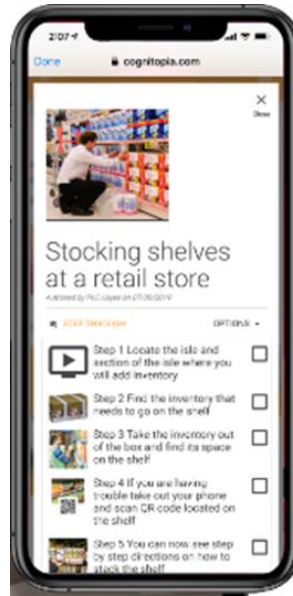
FamCal



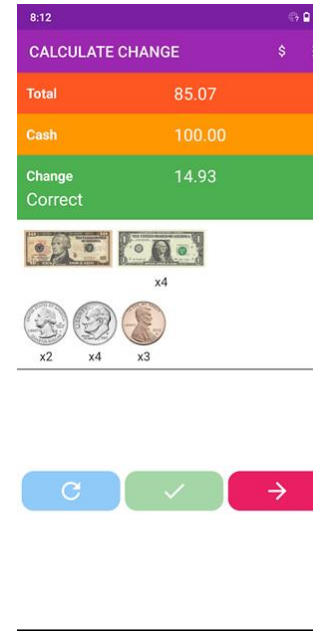
Audible



Words with Friends



Cognitopia



Learn to Give Change



Ablelink Pocket Endeavor Suite



# Seeing AI App



[Seeing AI video](#)

# Smartwatches

Smartwatches are versatile, serving as an extension of your smartphone.

Smartwatches can help you:

- ▶ find lost items
- ▶ keep up with appointments
- ▶ receive calls/texts/notifications
- ▶ remind you to breathe
- ▶ detect falls
- ▶ monitor blood pressure/heart rate/oxygen saturation
- ▶ detect abnormal heart rhythms





# Tennessee Technology Access Program

Tennessee Technology Access Program (TTAP) helps individuals with disabilities get the tools that they need to live independent productive lives where and how they choose. Each of TTAP's core programs is uniquely designed to both maximize limited resources and improve the understanding of, and to gain better access to Assistive Technology devices and services.

Services are provided through:

- ▶ Device Demonstration
- ▶ Loan
- ▶ Reutilization
- ▶ Training
- ▶ Technical Assistance
- ▶ Public Awareness



1-833-772-TDHS (8347)

TTAP

# Telecommunications Device Access Program (TDAP)

This program is designed to distribute appropriate telecommunications devices so that individuals with disabilities may effectively use basic telephone service.

## Minimum eligibility requirements:

- ▶ Be a permanent resident of Tennessee and have proof of residency and income
- ▶ Have a disability (verified by a licensed professional) such that the individual cannot use the telephone effectively without the use of an assistive device
- ▶ Able to use the device or accept training prior to issue of a device
- ▶ Accept responsibility for any necessary repairs of the device
- ▶ Be responsible for all telephone billing during the life of the device

# Questions

