

# Wireless Independence Now

## An Overview of Smartphone Accessibility Features

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# AGENDA



- Questions for the Group
- What is Accessibility
- iOS and Android Accessibility Features
- Assistive and Accessibility Apps
- Accessibility Resources

## Questions for the Group

- What type of phone or tablet do you have?
- What do you like about your device?
- What do you not like about your device?
- How did you choose your device?

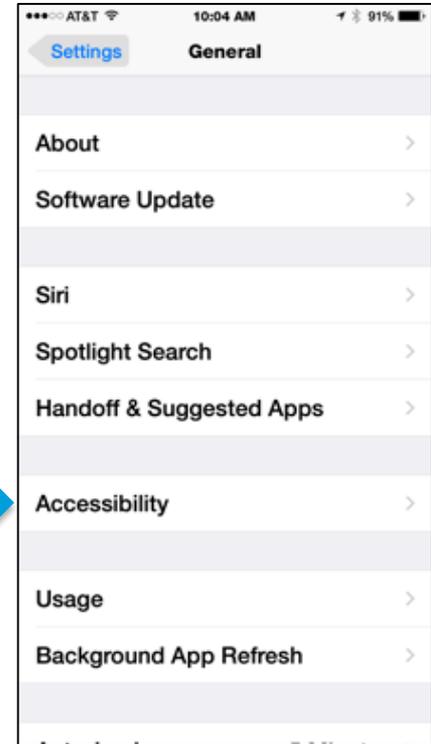
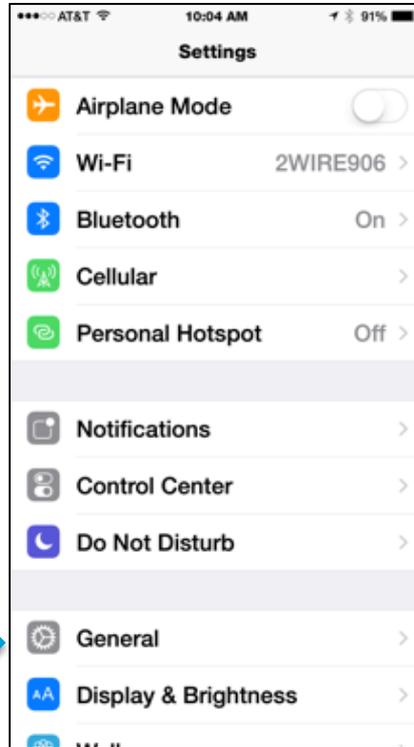
## Accessibility – what does that mean?

- Wireless accessibility is the ability to access and benefit from mobile phones and tablets.
- Accessibility means that a product, device, service, or environment is available and usable to as many people as possible.

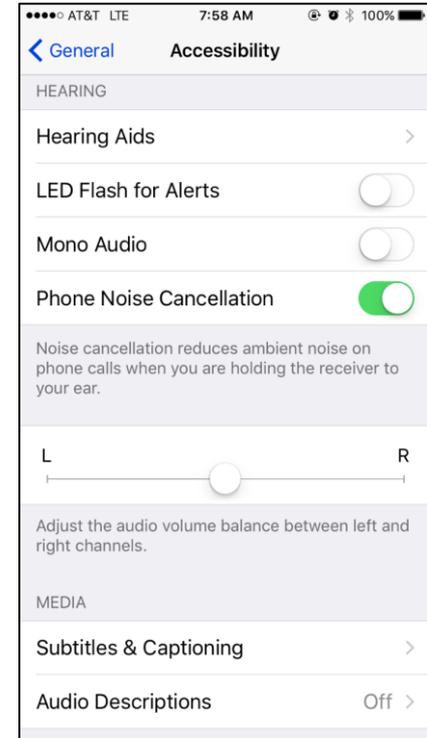
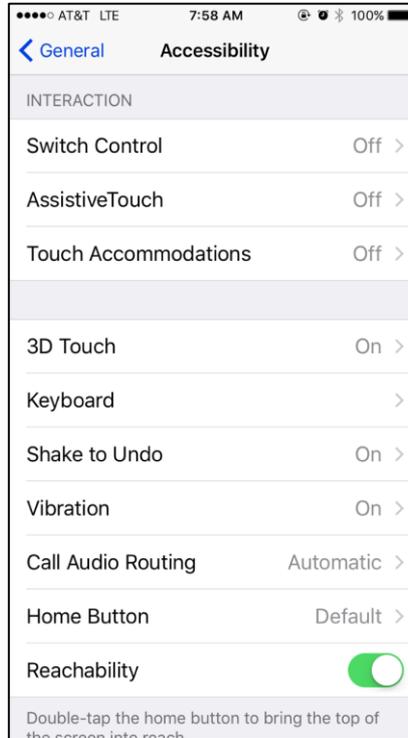
# Demonstration of Apple & Android Accessibility Features

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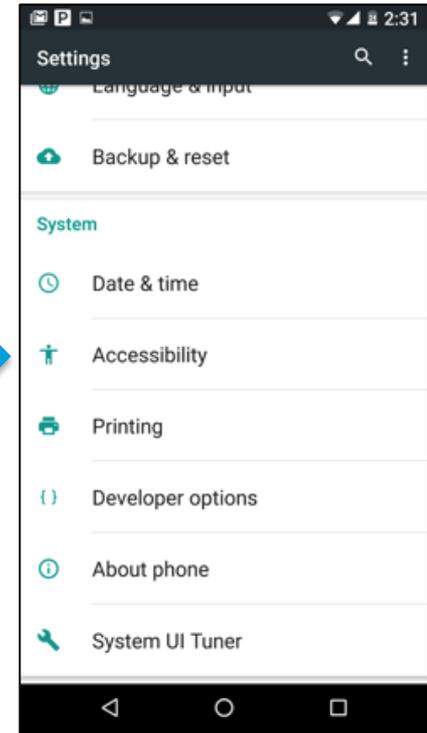
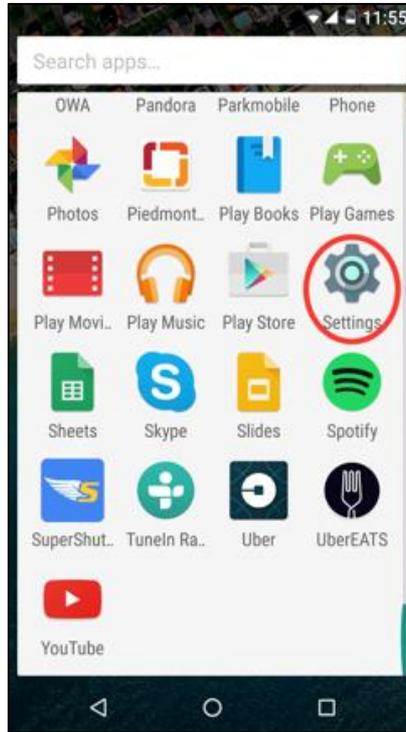
# Apple Accessibility Features



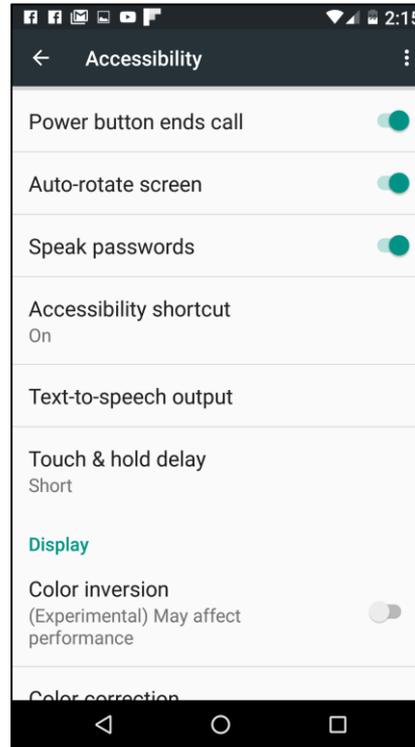
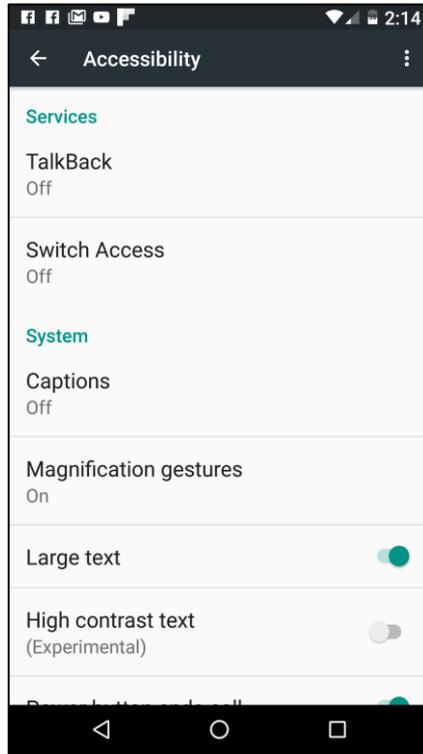
# Apple Accessibility Features



# Android Accessibility Features



# Android Accessibility Features



# Accessibility Features Helpful for Everyone

## **Apple Devices (iPhone/iPad)**

- Siri – Voice Control
- Accessibility Shortcut

## **Android Devices (LG, Samsung, HTC Phones/ Tablets)**

- Google Now and Ok Google – Voice Control
- Accessibility Shortcut

# Apple: Siri – Voice Control



Press and hold the Home button or say, "Hey Siri!"

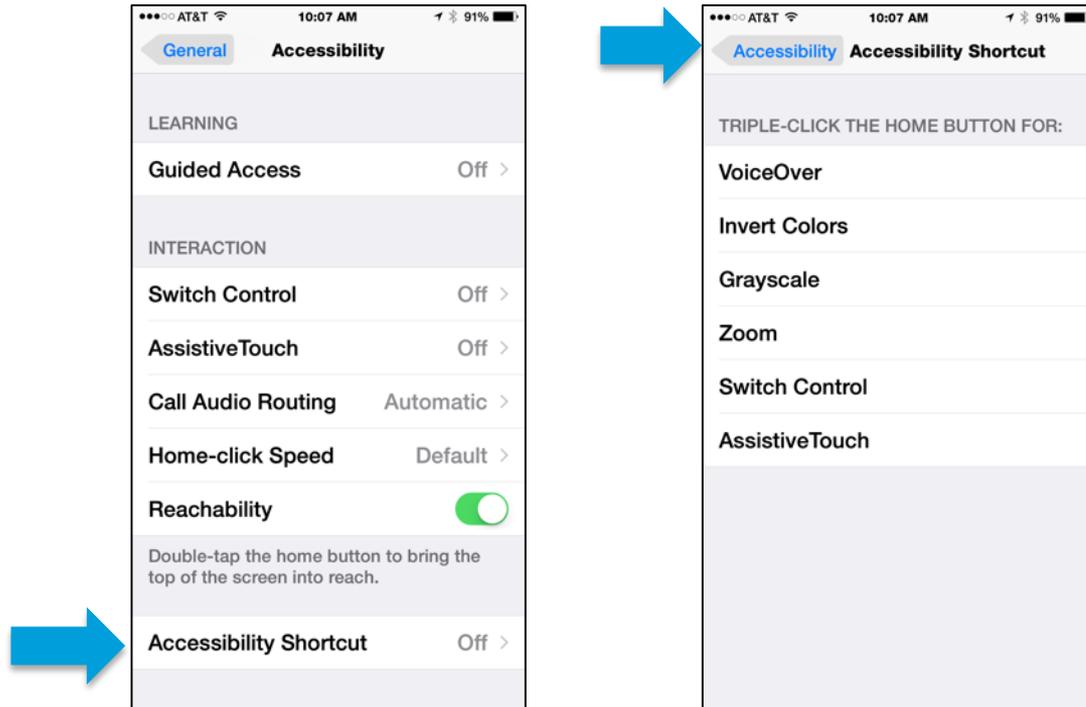
Image courtesy of Apple

# Android: Ok Google – Voice Control

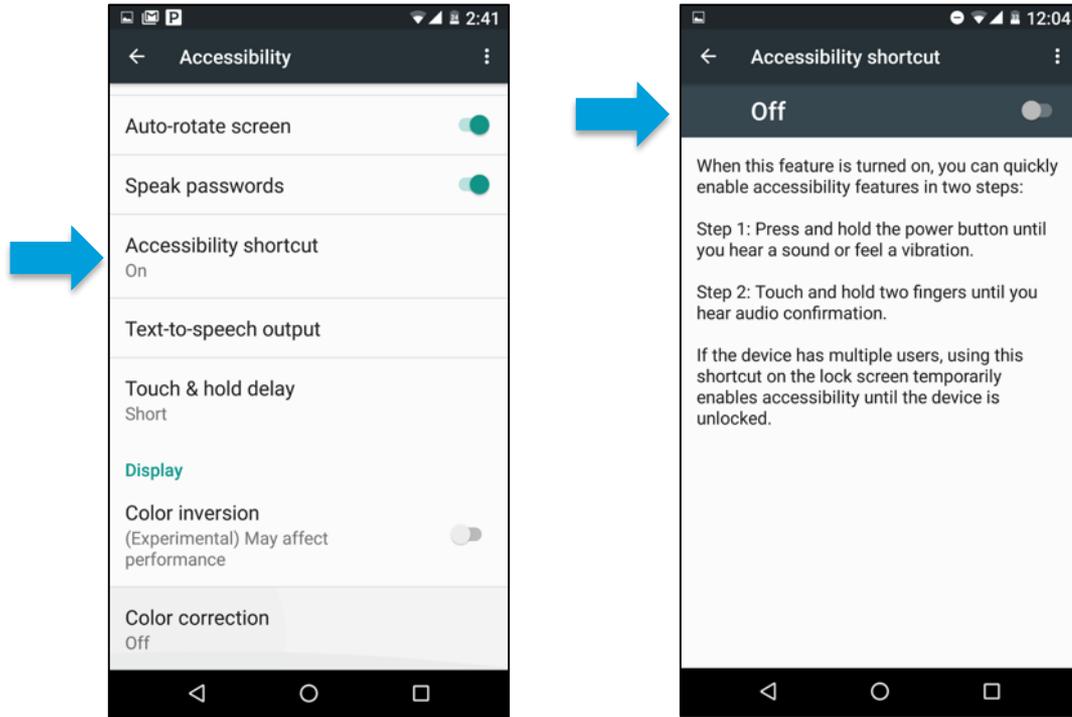


Type in the search bar on top or just say, "Ok Google!"

# Apple: Accessibility Shortcut



# Android: Accessibility Shortcut



# Accessibility Features for People who have Difficulty Seeing

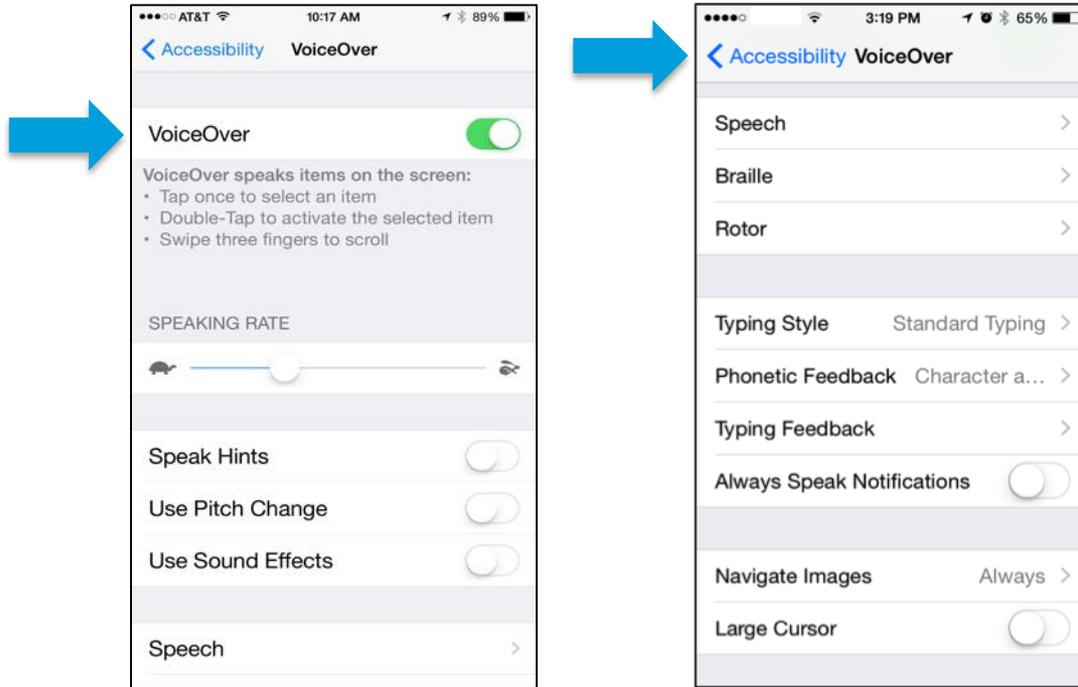
## **Apple Devices (iPhone/iPad)**

- VoiceOver – Screen Reader
- Zoom
- Larger Text
- Invert Colors

## **Android Devices (LG, Samsung, HTC, Motorola Phones/Tablets)**

- Talk Back – Screen Reader
- Magnification Gestures
- Large Text

# Apple: VoiceOver – Screen Reader

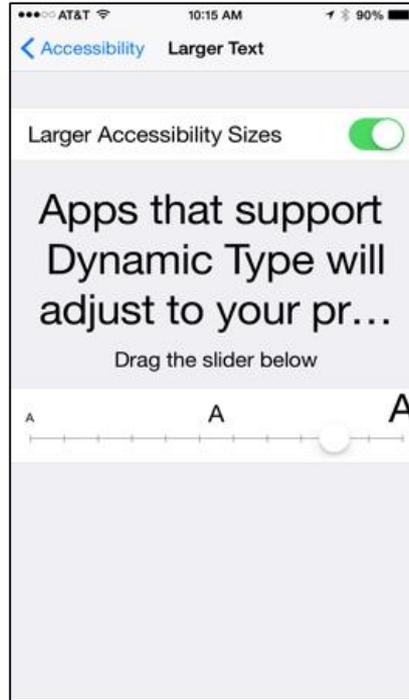


# Apple: Zoom, Larger Text, Invert Colors

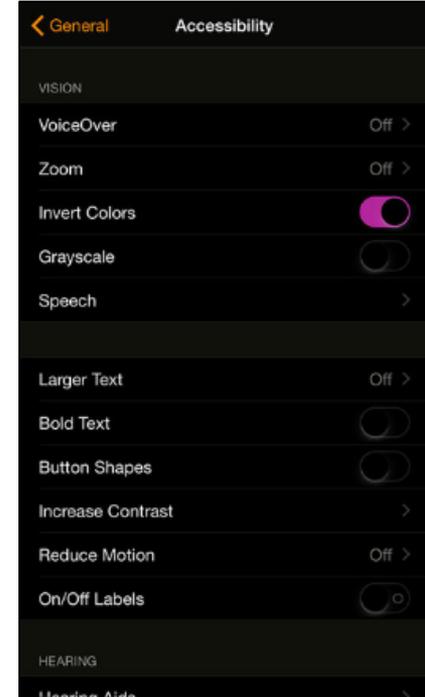
Zoom



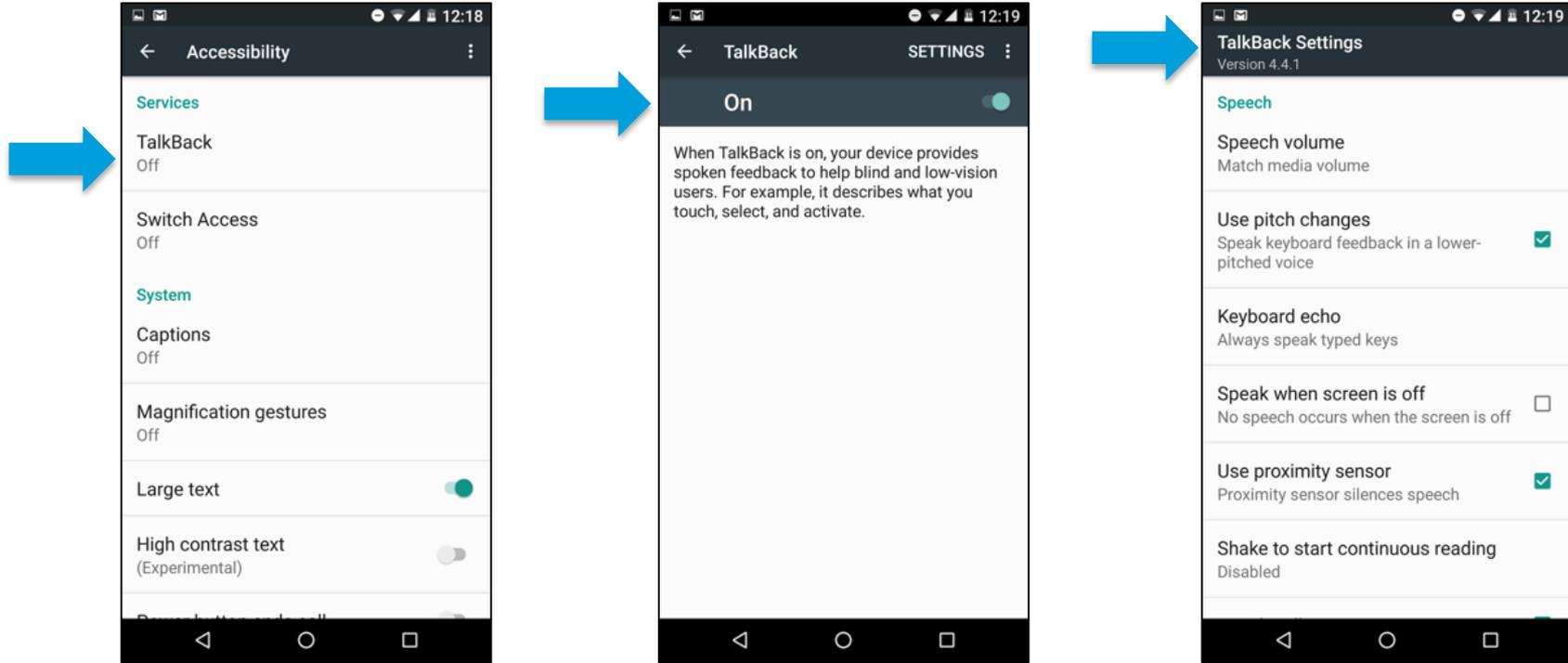
Larger Text



Invert Colors

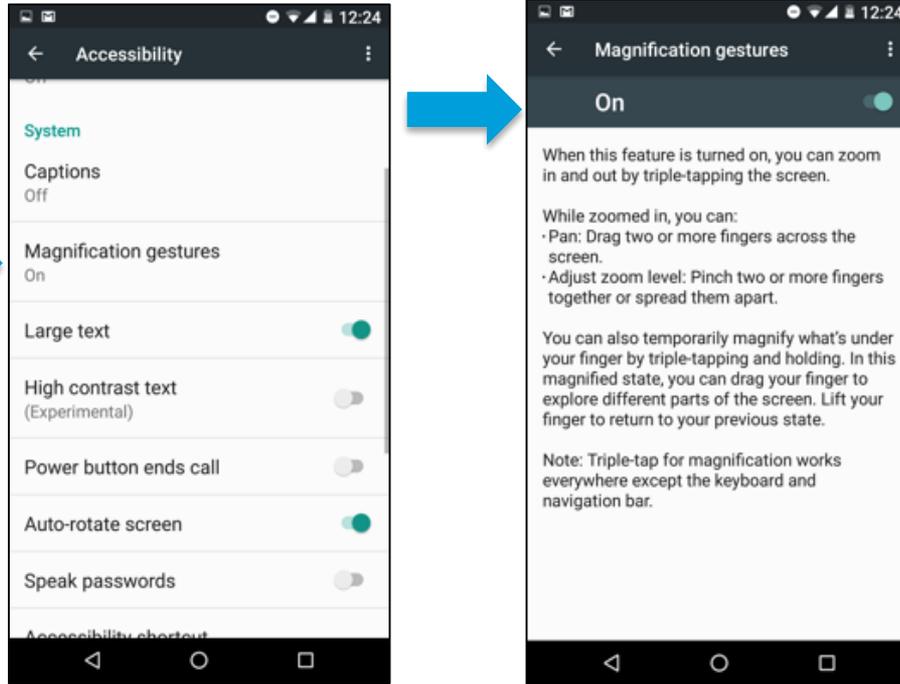


# Android: TalkBack – Screen Reader

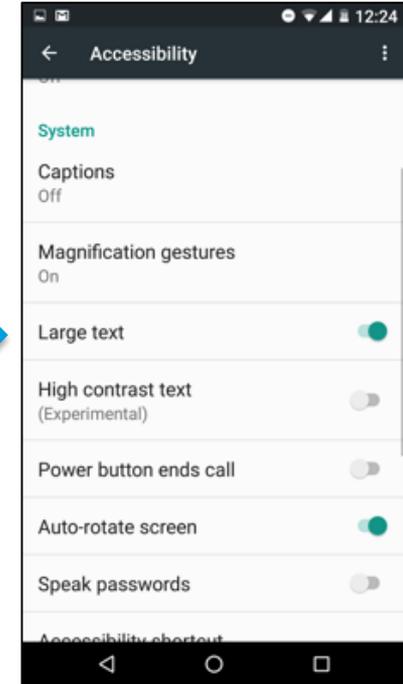


# Android: Magnification Gestures, Large Text

Magnification Gestures



Large Text



# Accessibility Features for People who have Difficulty Hearing

## **Apple Devices (iPhone only)**

- Vibrate on Ring
- LED Flash for Alerts

## **Android Devices (LG, Samsung, HTC, Motorola Phones only)**

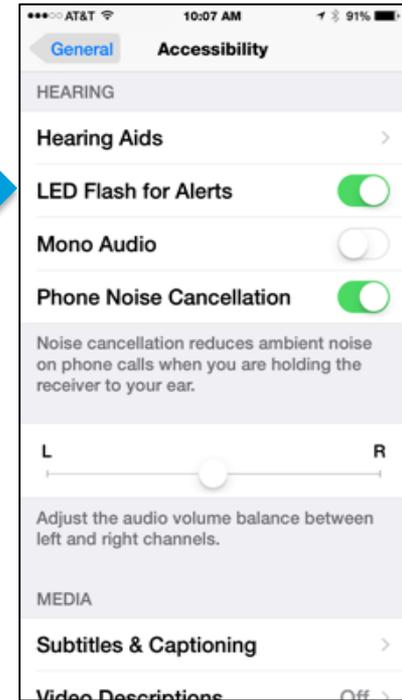
- Vibrate when Ringing & Vibrate on Touch
- Pulse Notification Light

# Apple: Vibrate on Ring, LED Flash for Alerts

Vibrate on Ring



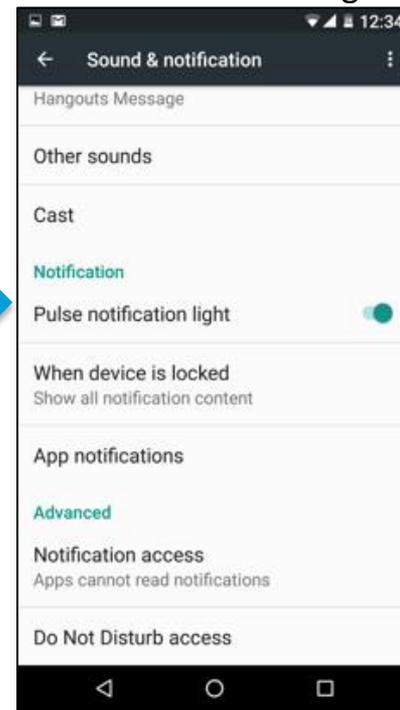
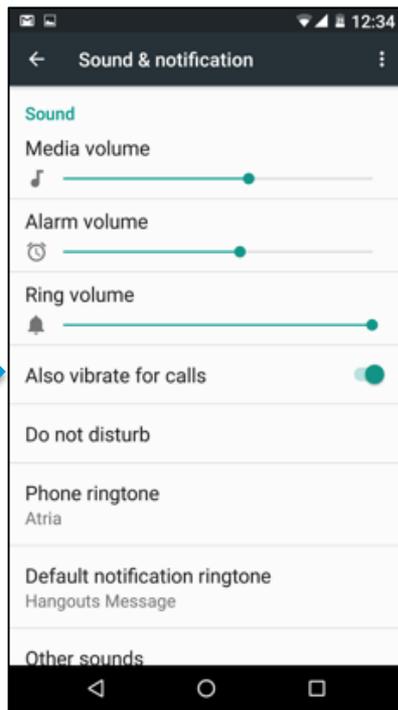
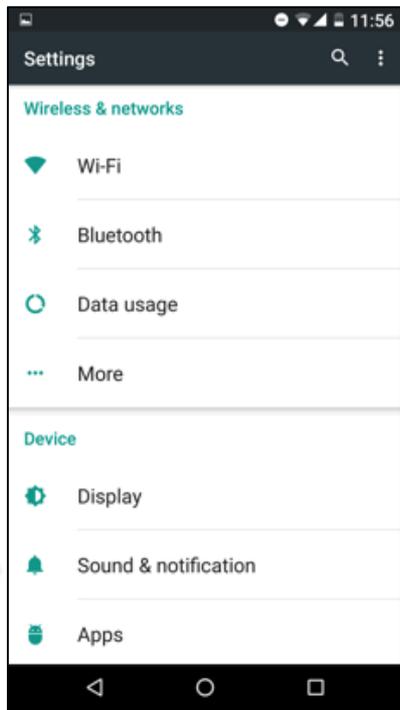
LED Flash for Alerts



# Android: Vibrate for Calls & Pulse Notification Light

Vibrate for Calls

Pulse Notification Light



# Accessibility Features for People who have Difficulty Touching or Grabbing

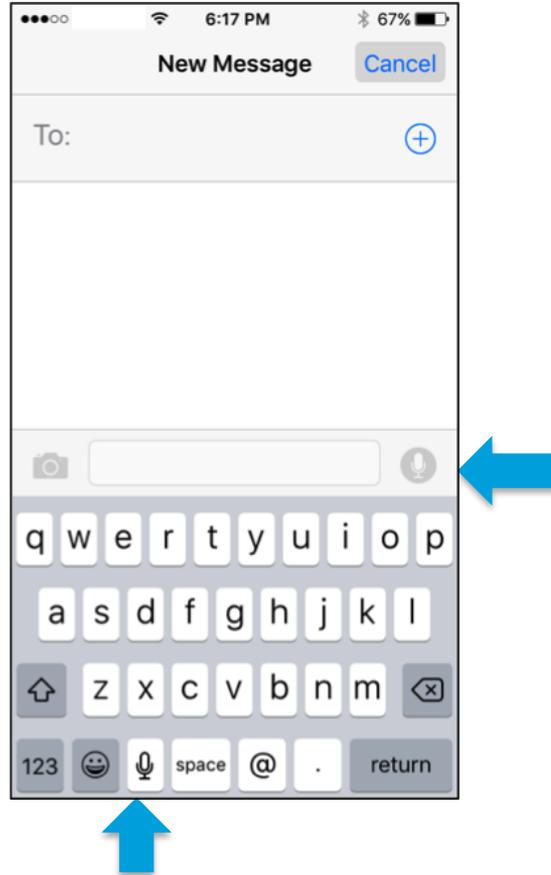
## Apple Devices (iPhone/iPad)

- Assistive Touch
- Dictation
- Keyboard Shortcuts
- SWYPE (3<sup>rd</sup> party app that costs \$0.99)

## Android Devices (LG, Samsung, HTC, Motorola Phones/Tablets)

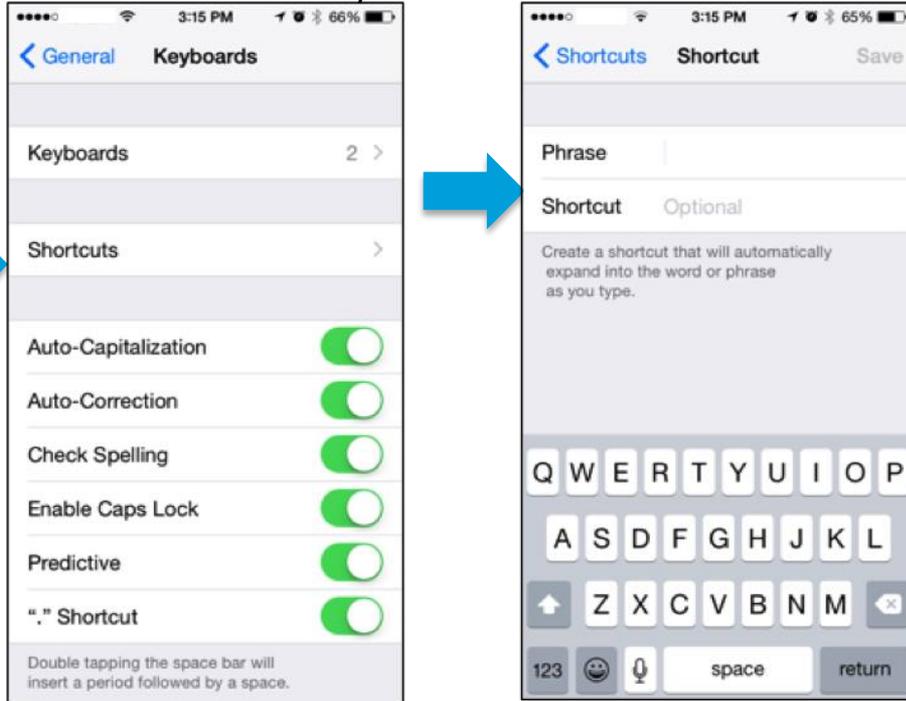
- SWYPE (Built into Android, free)
- Dictation

# Apple: Dictation

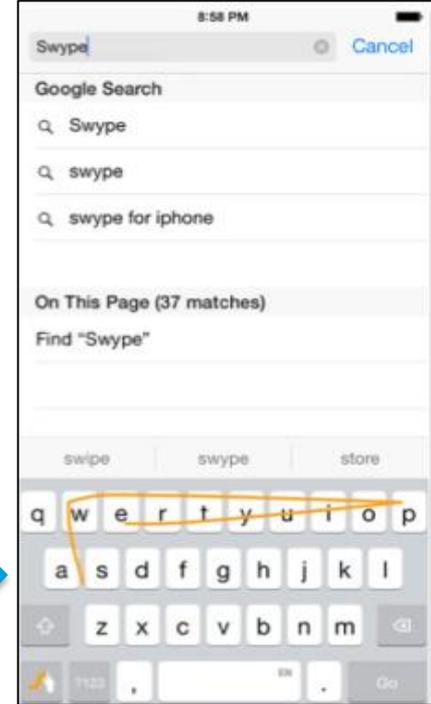


# Apple: Keyboard Shortcuts, Swype

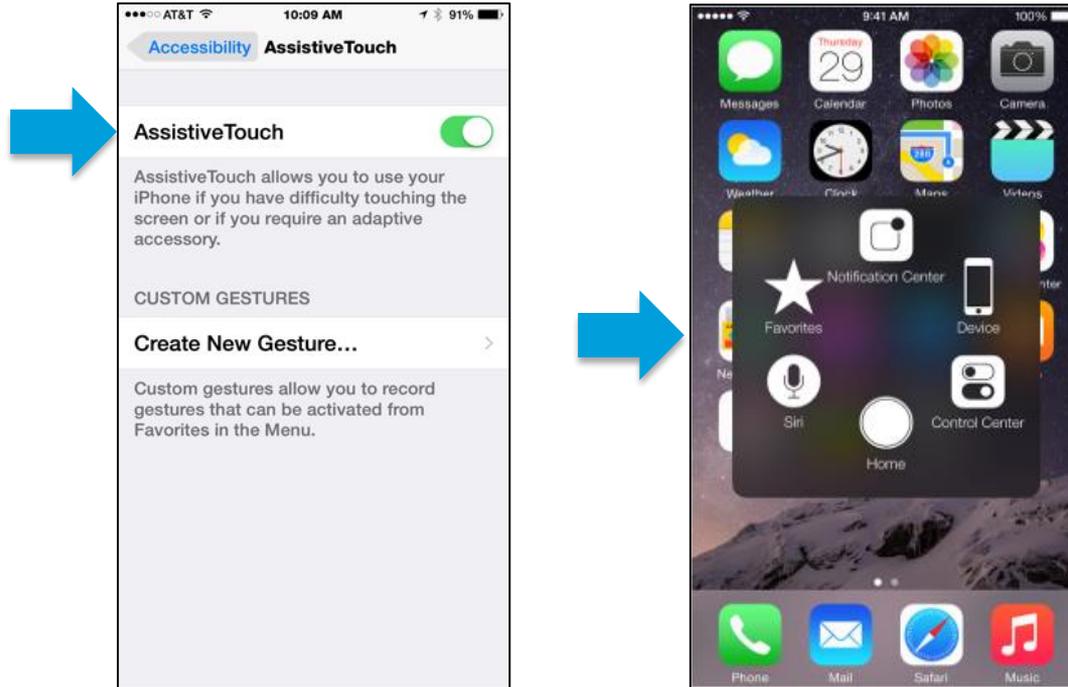
Keyboard Shortcuts



Swype

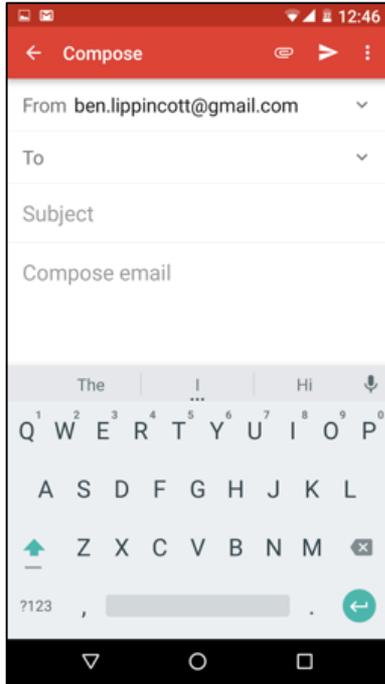


# Apple: Assistive Touch



# Android: Dictation, Swype

Dictation



Swype



# Accessibility Features for People who have Difficulty Concentrating

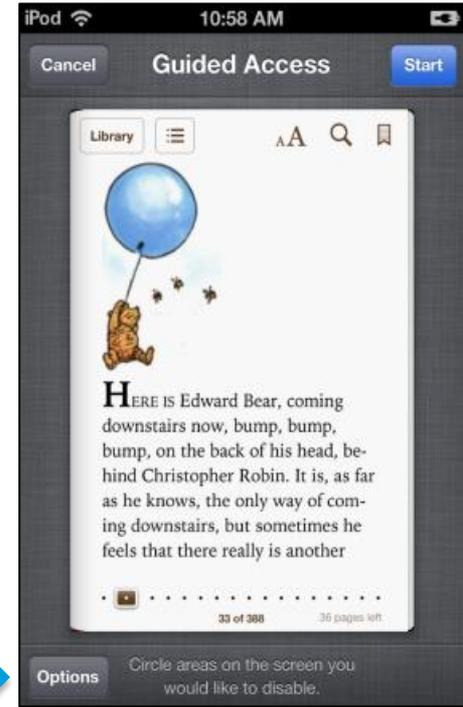
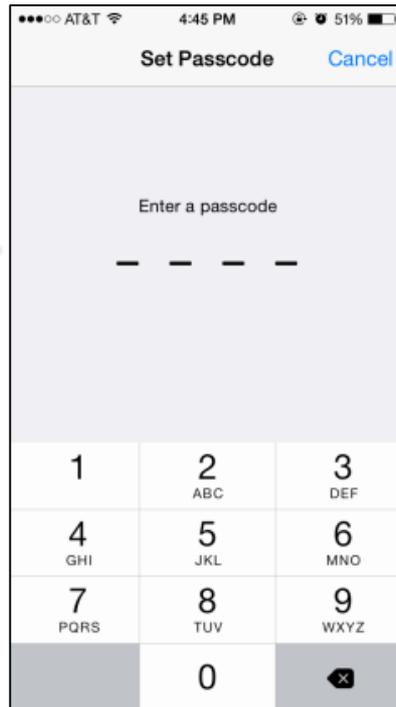
## **Apple Devices (iPhone/iPad)**

- Guided Access
- Reminders

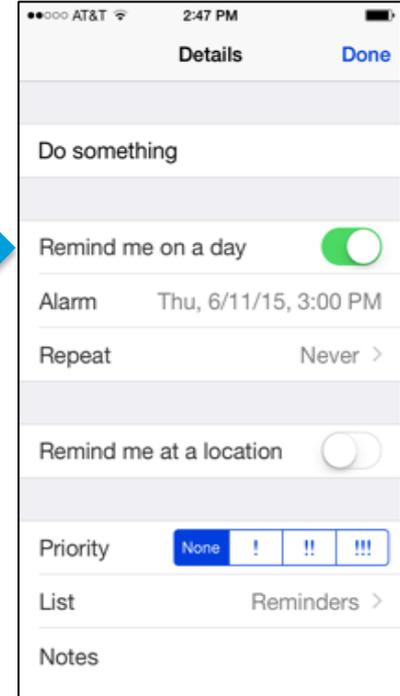
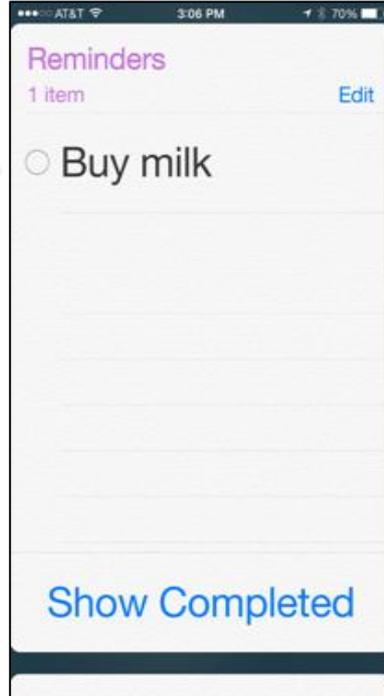
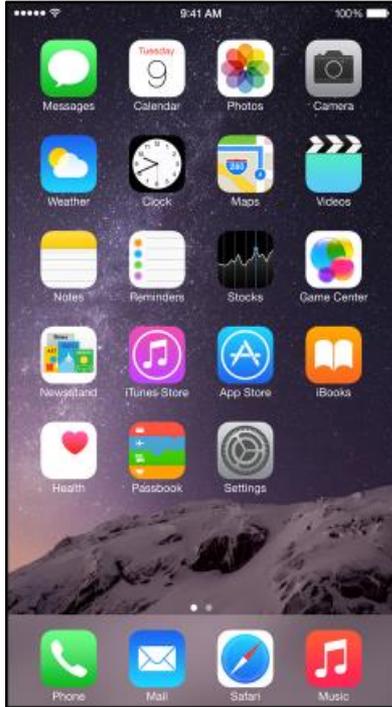
## **Android Devices**

- Google Keep

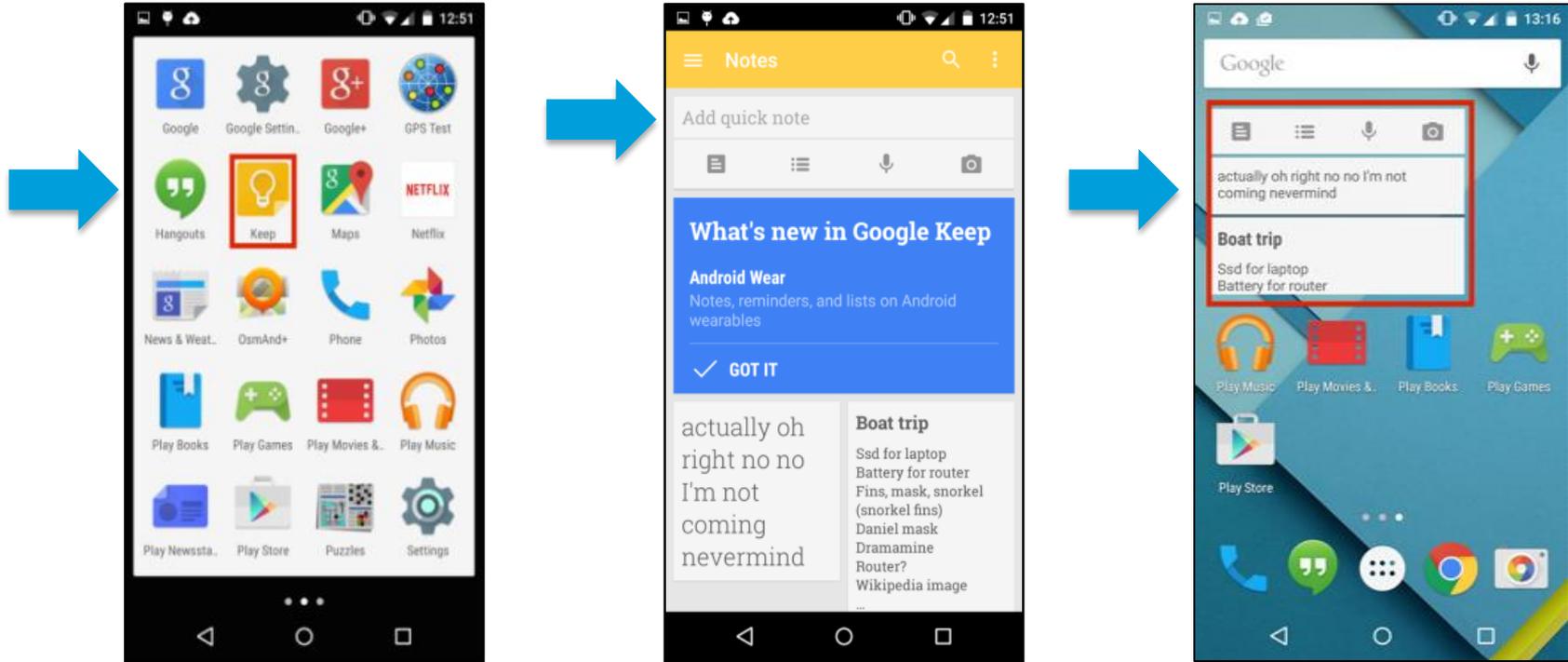
# Apple: Guided Access



# Apple: Reminders



# Android: Google Keep



# Examples of Apps for All



**Evernote**



**PillBoxie**



**Remember  
the Milk**



**Mint**

- Take notes in a variety of formats, including: text, sketches, photos, audio, video, PDFs, web clippings and more

- Customizable medication reminder

- Note taking app designed for people with substantial loss of vision

- Simple spending tracker, budget creator and bill reminder

# Examples of Apps for Vision Loss



**BrailleTouch**



**IDEAL Currency Identifier**



**Access Note**



**BARD Mobile**

- Alternative text input app based on the Braille alphabet

- Identifies three generations of U.S. currency notes beginning in 1993

- Note taking app designed for people with substantial loss of vision

- Provides access to talking books from the NLS Braille and Audio Reading Download (BARD) site
- Contains nearly 65,000 talking books, magazines, and braille music scores

# Examples of Apps for Hearing Loss



**Hamilton  
CapTel**



**TruLink**



**What's App**



**Skype**

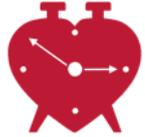
- Listen to your phone conversations while reading word-for-word captions of what's said to you

- Connects your hearing aids to your Android or iPhone
- Easily adjust volume and customize performance to unique situations

- Simple real-time instant messaging

- Free instant messaging, voice or video calls

# Examples of Apps for Dexterity Impairments



Tetra Alarm



Parking Mobility



Perfect Keyboard



Big Launcher

- Highly customizable timer that notifies you of weight shifts, bio-breaks, or to take meds

- Report disabled parking abuse to your city in less than two minutes

- Setup your Android keyboard so that it works best for you

- Simplifies user interface of home screen and app pages

# Accessibility Resources

- AT&T Accessibility (download presentations) – [att.com/accessibility](https://att.com/accessibility)
- AT&T Digital You – [digitalyou.att.com](https://digitalyou.att.com)
- AT&T National Center for Customer with Disabilities – Voice: 1-866-241-6568; TTY: 1-866-241-6567
- AT&T for Disability and Aging for Wireline Services – Voice: 1-800-772-3140; TTY: 1-800-651-5111
- Wireless RERC – [wirelessrerc.org](https://wirelessrerc.org)
- LiveWell RERC – [livewellrerc.org](https://livewellrerc.org)
- FCC Accessibility Clearing House – [ach.fcc.gov](https://ach.fcc.gov)
- Global Accessibility Reporting Initiative (GARI) – [gari.info](https://gari.info)

Thank You!

If you have any questions, contact:

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– 404-894-7034