

APP-BASED AUDITORY TRAINING RESOURCES

Games 4 Hearoes (Hearoes) ☆☆☆☆☆

- Description: Training app that works through different modules with different stimuli and complexity levels. Starts with environmental sounds to phonemes to words to phone numbers. Can add background noise. 5+ modules, 30+ activities
- Skills: Environmental Sounds, Ling 6 sounds, pitch, words (stressed, syllables), isolated vowels (male or female voices) consonants in CNC positions, sounds in sentences, stories
- Cost: Free
- Platform: Apple App Store and Google Play Store
- Developer: Games 4 Hearoes

Word Success ☆☆☆☆☆

- Description: App with four different “exercises” that range from selecting the spoken word alone, in a sentence (either in first, medial, or last position), with or without background noise.
- Skills: Word recognition
- Cost: Free
- Platform: Apple App Store, Google Play Store
- Developer: Advanced Bionics/Phonak

Cochlear CoPilot ☆☆☆☆☆

- Description: Interactive app that has support/tips for patients as well as device troubleshooting. Also has listening practice that is tailored toward the individual’s skill level. Includes users’ ability to record environmental sounds of their own, practice word and sentence discrimination, and more complex stimuli such as phone numbers, addresses, and conversations.
- Skills: Environmental sounds (recorded), word discrimination, sentences, discourse level
- Cost: Free (must make cochlear account)
- Platform: Apple App Store
- Developer: Cochlear Ltd.

Speech ID 2 ☆☆☆☆☆

- Description: App with 24 different “decks” or modules that start with simpler tasks, working up to more complex. App keeps track of minutes practiced per deck and number of days in a row practiced.
- Skills: Ling 6 identification and discrimination, word discrimination, sentences in noise.
- Cost: 3 free decks and then, \$4.99/month or \$49.99/year
- Platform: Apple App Store
- Developer: AuditoryIQ

Bring Back the Beat ☆☆☆☆☆

- Description: Music enjoyment app, starts with notes and instruments, builds up to more complex melodies, user is able to gain rewards and motivation as you go. Can sync with personal Spotify account.
- Skills: Music Appreciation
- Cost: Free (must make cochlear account)
- Platform: Apple App Store, Google Play Store
- Developer: Cochlear Corp.

Hear Beyond ☆☆☆☆☆

- Description: Strengthens your auditory brain with a variety of auditory games that claim to enhance your ability to separate what you’re trying to hear from noise. Practice separating audio signals from noise using different categories. More complex than most apps.
- Skills: Pitch contour, pitch matching, speech in noise, memory
- Cost: Free
- Platform: Apple App Store
- Developer: Spheres Creative Inc.

Melodic Contour Identification ☆☆☆☆☆

- Description: App that is aimed at music perception and appreciation for those with hearing loss. Closed-set melodic contour identification to assist in users ability to recognized musical melodies. Can customize instrument (piano or organ), base note, and semitones between notes. Can also switch between testing or training mode. Same foundation that created AngelSound.
- Skills: Pitch Contour, music appreciation
- Cost: Free
- Platform: Apple App Store, Google Play Store
- Developer: Qianjie Fu (Emily Fu Foundation)

AngelSound (mobile) ☆☆☆☆☆

- Description: Interactive auditory training and hearing assessment program that lets the user take control of their listening rehabilitation independently. Users gain practice with discriminating and identifying sounds and speech components through self-paced modules that cover different aspects of the listening process.
- Skills: Word recognition (phonemes in words)
- Cost: Free
- Platform: Apple App Store, Google Play Store
- Developer: Emily Fu Foundation

APP-BASED AUDITORY TRAINING RESOURCES (cont.)

TOEIC Listening ☆☆☆

- Description: Various teaching and prep resources for the TOEIC test. The listening test includes questions following a voice recording. Example: Listen to four statements about each photo on the screen. Click on the letter of the best description of the photo. There is then a recording of four sentences. One of them describes the picture the best. If a wrong answer is given, a short reason for this being wrong is given.
- Skills: Comprehension of sentences
- Cost: Free
- Platform: Google Play Store only
- Developer: CD EDUs

Bitsboard ☆☆☆

- Description: App with multiple different “boards”. The “Photo Touch Board” and “Listen Up Board” is the most applicable to auditory training. Both boards involves matching the spoken sentence to the picture that best matches. Bitsboard is able to be customized with users’ own pictures.
- Skills: Sentence comprehension
- Cost: Free
- Platform: Apple App Store
- Developer: Happy Moose Apps

StiNT Noise ☆☆☆

- Purpose: Trains the brain to work together with the ears. Listens to four selected stories in a noisy environment where the user needs to select the words that were heard from a presented list. You can customize the amount of noise and number of talkers that narrate the stories.
- Skills: Speech in noise
- Cost: Free
- Platform: Apple App Store
- Developer: Ioannis Kouris (through University College London-UK)

Meludia Melody ☆☆☆

- Description: Listen to sounds from a chosen musical instrument and play the pattern back Intended to be used when learning music via ear training (call and response style)
- Skills: Pitch contour, advanced musical training
- Cost: Free (\$5.63/month for access to all features)
- Platform: Apple App Store, Google Play Store, or online <https://www.meludia.com/fr/>
- Developer: Meludia

ListenHear7 ☆

- Description: Follow spoken directions to complete short obstacle games.
- Skills: Sentence comprehension
- Cost: Free
- Platform: Apple App Store
- Developer: Freida Van Staden

ABC Magic Phonics 5 ☆

- Description: This app is aimed towards preschool aged children. It involves listening to a sound and then dragging it to the matching picture, with or without visual cues.
- Skills: isolated phoneme discrimination, environmental sounds
- Cost: Apple App Store
- Developer: Preschool University

Spotify (not rated)

- Description: App that contains music and podcasts. Can be used for extra listening practice with podcasts. For CI users’ needing more advanced listening practice.
- Skills: Sentence comprehension
- Cost: Free or \$9.99/month for no ads
- Platform: Apple App Store, Google Play Store, or online <https://www.spotify.com>
- Developer: Spotify

Audible (not rated)

- Description: App made mainly for listening to audiobooks, also includes podcasts. For CI users’ needing more advanced listening practice.
- Skills: Sentence comprehension
- Cost: Free trial or \$14.95/month
- Platform: Apple App Store, Google Play Store, or online <https://www.audible.com>
- Developer: Audible, Inc.

WEB-BASED AUDITORY TRAINING RESOURCES

Adult CI Home-Based Manuals ☆☆☆☆☆

- **Description:** Hands-on material that is flexible and adaptable enough to cover a range of auditory abilities. With this manual users can practice working out sounds and speech from a closed-set list and repeated speech in quiet and noisy backgrounds. Some activities are used in conjunction with AngelSound.
- **Skills:** Word recognition (phonemes in words, words in isolation), sentences, background noise
- **Cost:** Free
- **Platform:** Online (download and print) <https://mss-p-007-delivery.sitecorecontenthub.cloud/api/public/content/36eb806e052c4bc69acdecddb8a8c?v=be24a341>
- **Developer:** Cochlear Corp.

LACE (Listening and Communication Enhancement) ☆☆☆☆☆

- **Description:** LACE assists in developing listening and communication skills and strategies that will help users' success in noise. There are eleven scored auditory training sessions, including Speech-in-Noise, Rapid Speech, Competing Speaker, Auditory Working Memory, Communication Strategies. Adaptive training based on users' answers. Can share progress report with your hearing professional.
- **Skills:** Sentences in noise
- **Cost:** \$119 one time payment
- **Platform:** Online <https://www.lacelisting.com/>
- **Developer:** Neurotone – Sound Thinking

Sound Success ☆☆☆☆☆

- **Description:** Website that allows users to listen to sentences with different speakers using lip reading or auditory cues alone. Training is user-paced. Various levels of difficulty including “getting started” for beginners and “Up and Running” for advanced users. Background noise options include: no noise, soft, medium, and loud traffic, soft, medium, and loud talking. Nine language options available. Website tracks progress. Also has downloadable content that includes more practice tips and resources.
- **Skills:** Sentence recognition with varying background noise.
- **Cost:** Free (must make AB account)
- **Platform:** Online <https://apps2.advancedbionics.com/auth/login/SsoForm>
- **Developer:** Advanced Bionics/Phonak

Listening Room ☆☆☆☆☆

- **Description:** Website with activities and resources to support development of speech, language, and listening skills in all ages. Exercises are organized by beginner, intermediate, and advanced. Audiologists can personalize a listening plan by recommending lessons and watching progress. English and Spanish options. Some activities are downloadable forms.
- **Skills:** Word recognition (phonemes in words, words in isolation), sentences, in noise, music (timbre)
- **Cost:** Free (must make AB account)
- **Platform:** Online <https://thelisteningroom.com/en/dashboard>
- **Developer:** Advanced Bionics/Phonak

Musical Atmosphere ☆☆☆☆☆

- **Description:** Website that allows users to practice listening to music and identifying instruments, voices, and lyrics. There are five chapters. Each chapter gets progressively more difficult.
- **Skills:** Music (timbre, appreciation)
- **Cost:** Free
- **Platform:** Online <https://abmusicrehab.com/EN/3243>
- **Developer:** Advanced Bionics/Phonak

Aural Rehabilitation Adult Kits ☆☆☆☆☆

- **Description:** These downloadable kits contain a range of activities designed to support the listening development and quality of life of those using a CI. Most kit activities require the use of a partner.
- **Skills:** Word recognition, sentences
- **Cost:** Free
- **Platform:** Online (download and print) <https://blog.medel.pro/med-el-adult-rehabilitation-kit-9-sports-which-is-which/>
- **Developer:** MedEl

AngelSound (desktop) ☆☆☆☆☆

- **Description:** Interactive auditory training and hearing assessment program that lets the user take control of their listening rehabilitation independently. Users gain practice with discriminating and identifying sounds and speech components through self-paced modules that cover different aspects of the listening process. Both online and app versions. The online version is optimal due to more features and ease of use.
- **Skills:** Word recognition (phonemes in words, words in isolation), sentences, background noise
- **Cost:** Free
- **Platform:** Apple App Store, Google Play Store, and Online (optimal version) <http://angelsound.tigerspeech.com/>
- **Developer:** Emily Fu Foundation

WEB-BASED AUDITORY TRAINING RESOURCES (cont.)

Lesson Kits ☆☆☆☆

- **Description:** These kits are similar to those listed directly above but are more tailored for kids. Activities tend to be simpler. Each kit is a different theme with different activities to strengthen the auditory/listening skills of the user.
- **Skills:** word recognition, sentences
- **Cost:** Free
- **Platform:** Online (download and print)
<https://www.medel.com/support/rehab/rehabilitation-downloads> (scroll down to “Lesson Kits”)
- **Developer:** MedEl

HOPE Notes ☆☆☆

- **Description:** Music program designed to support CI and hearing aid users improve their music perception and appreciation using original songs, traditional Folk, Blues, & Country styles. Comes with a detailed user guide including lyrics designed to assist and enrich the programs use.
- **Skills:** Music (appreciation)
- **Cost:** \$25
- **Platform:** Purchase from Cochlear store
<https://www.cochlear.com/us/en/shop/merch-and-hearing-support/hope-notes-ntsc-format/FUZ273.html>
- **Developer:** Cochlear Corp.

App and Web-Based Auditory Training Resources for Adult CI Recipients

Created by: Olivia Adamson, B.A., Kimberly Snell, B.S., and Jeffrey Shymanski, B.A., and Eun Kyung (Julie) Jeon, Au.D., Ph.D., CCC-A
University of Iowa Audiology Program
Last updated March 2022