

### **ANSWERS**

| НА                 | Hearing Aid  |  |
|--------------------|--|--|
| CI                 | Cochlear Implant   |  |
| BAHS               | Bone Anchored Hearing System   |  |
| отс                | APPLIES TO ADULTS ONLY   |  |
| PSAP               | APPLIES TO ADULT 5 UNLY  |  |
| HAT<br>(f/k/a ALD) | Hearing Assistive/Assistance Technology (formerly known as Assistive Listening Devices [ALDs]) |  |
| RMHAT              | Remote Microphone Hearing Assistive/Assistance Technology                                      |  |
| FM                 | Frequency Modulation   |  |
| DM                 | Digital Modulation   |  |
| IR                 | Infrared   |  |
| ВТ                 | Bluetooth  |  |
| T-coil             | Telecoil   |  |

### OUTCOMES OF CHILDREN WITH HEARING LOSS STUDY

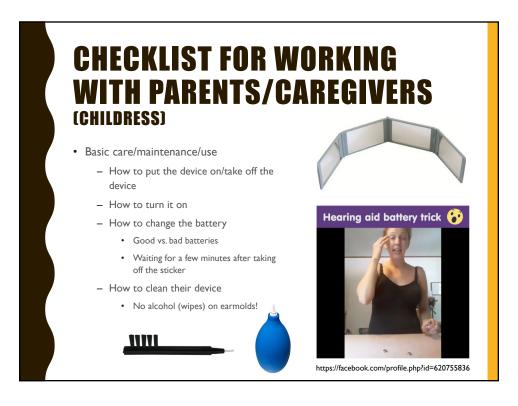
- · Trends for longitudinal hearing aid use
  - Age of child (use increased with age)
  - Maternal education (higher levels correlated with increased use)
  - Degree of hearing loss in school-age children only (increased use with more hearing loss)
- · What we can do to help
  - Hands-on training with the amplification
  - Individualized problem-based strategies to address challenges
  - Practical demonstrations of the benefits of amplification use
    - Hearing loss demonstrations
    - · Examples of listening in noise with and without hearing aids
    - · How to do a listening check

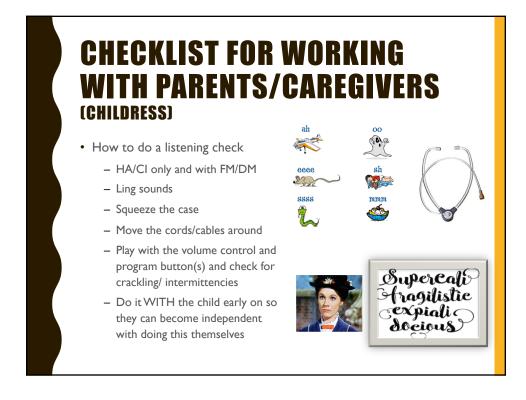


# PEDIATRIC HEARING AID USE: PARENT-REPORTED CHALLENGES (MUÑOZ ET AL., 2015)

- Even though the amount of information they received was overwhelming, most (84%) preferred to have all the information at the **beginning**
- 66% said an audiologist taught them how to do a listening check with a stethoscope but only 33% do it daily
- Minimal confidence with **troubleshooting** HA problems
- >50% reported child behavior and activities as being a challenge
- 35% wore their HAs during all waking hours, 31% wore then <5 hours/day</li>
- 47% did not feel they had enough time to talk about their emotions when speaking with their audiologist(s)
  - 69% reported the audiologist did not help them know what to expect
  - 22% reported symptoms of depression

https://www.ncbi.nlm.nih.gov/pubmed/25303862





# CHECKLIST FOR WORKING WITH PARENTS/CAREGIVERS (CHILDRESS)

- · Basic troubleshooting
  - Checking for visible damage
    - · Cables, tubing (color, hardness, moisture)
  - What do the lights and error messages mean?
  - Who do they contact when it's not working?
    - HAs → dispensing audiologist
    - Cls → dispensing audiologist and/or Cl company
  - Websites, social media, video clips and apps
    - YouTube channels
    - · Online communities
    - Facebook

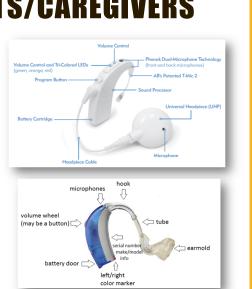






# CHECKLIST FOR WORKING WITH PARENTS/CAREGIVERS (CHILDRESS)

- · Knowing their device
  - Make and model of their device
  - Name that part
  - Knowing what's on each program slot (may be disabled for young children)
    - Get printout after appointment
    - · Enter info on phone



## RECOMMENDED FREQUENCY FOR FOLLOW-UP VISITS

| Duration of Device Use | Device Type     |                  |  |
|------------------------|-----------------|------------------|--|
| Duration of Device Use |                 | Cochlear Implant |  |
| 0-1 year               | Every 3 months  | Every 2-3 months |  |
| I-2 years              | Every 3 months  | Every 6 months   |  |
| 2-3 years              | Every 3 months  | Every 6 months   |  |
| 3-5 years              | Every 6 months  | Every 12 months  |  |
| > 5 years              | Every 12 months | Every 12 months  |  |

### **RETENTION**

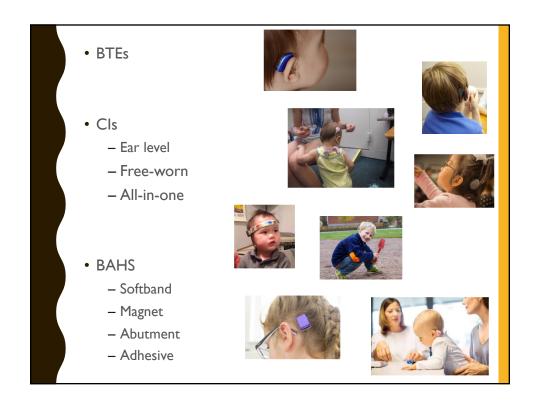
- Children's Retention Brochure
- Fantastic resources from Karen Anderson, Jane Madell and Oticon
- Products ranked by age group:
  - 0-12 m/o
  - 12-24 m/o
  - 2-5 y/o
- Not mentioned, floatie armbands or the elbow restraint







https://successforkidswithhearingloss.com/for-professionals/hearing-aids-on-2/





### **SELECTING HEARING AIDS**

- Style, including pediatric-sized earhooks
- Programmability
- · Nonlinear signal processing
  - Allows for audibility of soft sounds
- FM/DM system compatibility
- Locking mechanism or deactivation of the volume control and other controls
- Tamper resistant battery doors
- Find a pediatric audiologist who does verification via Real Ear Measures



### **EARMOLDS**

- Should be checked every month during the first 6-8 months, then every 6 months
- · Soft material
- Tubing is most vulnerable where it enters the earmold



### **OTHER TOPICS**

- Should we use FM/DM on littles before they reach school age?
- Is it possible to have too many features?
  - How do the hearing aid programming features interact with FM/DM?
- Funding
  - HB 4516 has passed BOTH chambers and is awaiting the governor's signature so write to Gov. Rauner in support! This bill would require insurance companies to cover the cost of replacing hearing aids every 3 years.
  - https://www2.illinois.gov/gov/contactus/Pages/VoiceAnOpinion.aspx to contact Governor Rauner
  - https://app.raindrop.io/?#/collection/2663069/%5B%7B%22key%22%3A%2 2tag%22%2C%22val%22%3A%22FinancialAid%22%7D%5D (Financial Aid resources)

