

NOW AVAILABLE!

**AN APP TO HELP PARENTS
NAVIGATE THE 1-3-6 PROCESS**

5 MARCH 2019 EHDI CONFERENCE 2:20-2:45

VIRGINIA EHDI PROGRAM



MASSACHUSETTS EHDI PROGRAM



WINNIE CHUNG CDC



Acknowledgements



This app was designed by Han Mason in collaboration with EHDI programs and the EHDI-PALS group

- VA, MA, IA, MN, TX State Early Hearing Detection and Intervention (EHDI) Programs
- Hands & Voices
- Centers for Disease Control & Prevention (CDC)
- Directors of Speech and Hearing Programs in State Health and Welfare Agencies (DSHPSHWA)
- Maine Education Policy Research Institute
- National Center for Hearing Assessment and Management (NCHAM)
- Early Childhood Technical Assistance (ECTA) Center
- American Speech-Language-Hearing Association (ASHA)

Identifying a need – Han Mason



“My cousin’s daughter, Lindsey failed her newborn hearing test, but did not receive proper follow up & treatment until she was 3 years old.”



WHY AN APP?

- ❖ New generation of parents **Interact** with their phones more than a desktop or laptop
- ❖ Fast access to information at finger tips allows people to act right away- this is **Empowerment**
- ❖ **Demystify** the EHDI process

AVAILABLE FOR APPLE AND ANDROID PLATFORMS

- ❖ The app is not EHDI-PALS (EHDI- Pediatric Audiology Links to Services)
- ❖ EHDI-PALS is a website for parents to search for audiology clinics equipped to
 - Test children ages 0 to 5
 - Dispense and fit hearing aids to children
 - Provide cochlear implant services to children
- ❖ Both the EHDI-PALS website and the EHDI smart phone app won the
2018 CDC National Center on Birth Defects and Developmental Disability Excellency in Communication award



DEVELOPING THE APP

- ❖ We took screening, diagnostics and early intervention and breaks them down into a series of questions. Such as:
 - Parents enter state and child specific information.
 - Creates reminders on the phone's calendar feature.
 - Prompts at timed intervals.
- ❖ All information is held on the phone and not transmitted beyond the phone.
- ❖ Information sheet for families developed to be distributed at the hospital when a baby failed the screen.

FAMILY ENTERS INFORMATION AND NEXT SCREEN IS BASED ON ANSWERS PROVIDED

EHDI App

Enter your child's information

Child's First Name: _____

Your Child's Birthday

Dec	29	2018
Jan	30	2019
Feb	31	2020

Your State of Residence

Alabama

NEXT

EHDI App

Hearing Test

Has had a hearing test yet?

The Hearing Test is done

No, but scheduled.

No, not scheduled.

NEXT

EHDI App

Hearing Test

Remember, did not pass the [hearing screen](#) and needs a [hearing test](#).

Experts recommend all children who do not pass their hearing screen should have a hearing test before 3 months of age.

NEXT

EHDI App

Hearing Test

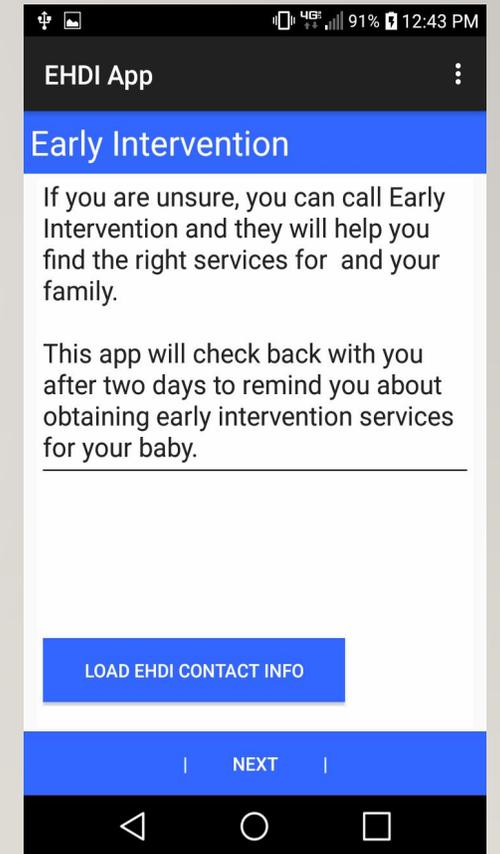
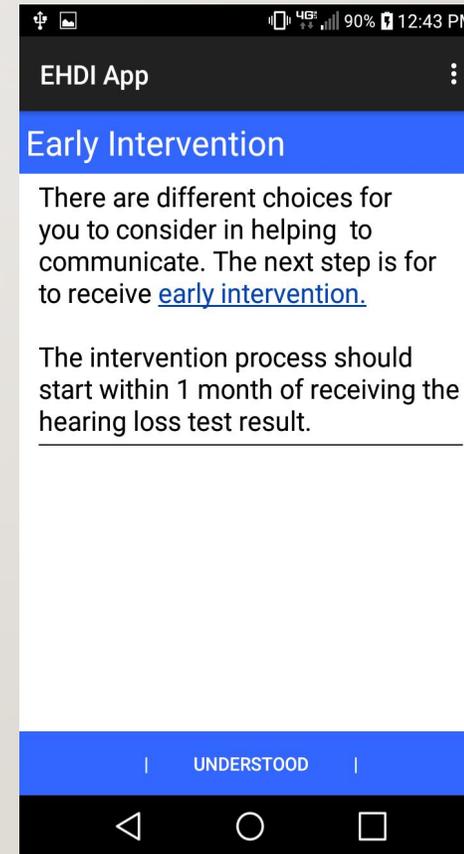
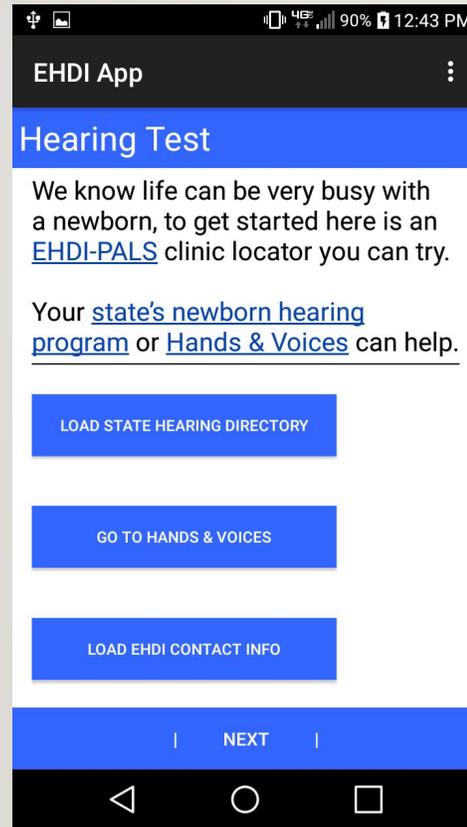
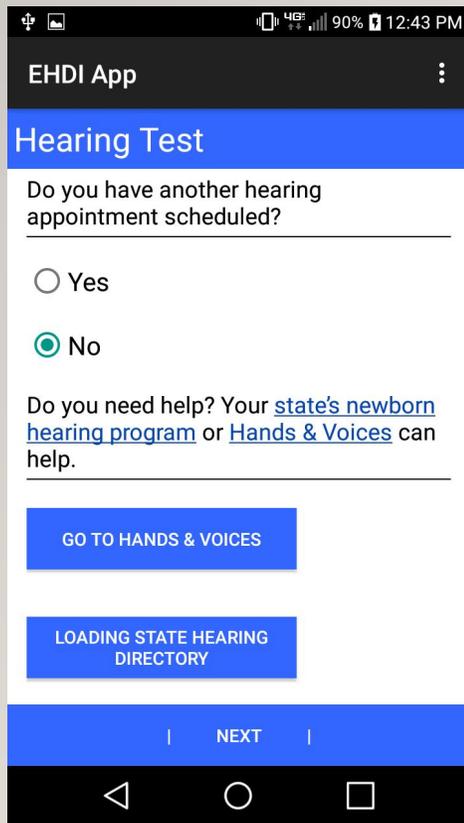
Was found to have a hearing loss?

Yes

No

NEXT

INCLUDES LINKS TO CONTACTS AND DEFINITIONS OF KEY TERMS



APP TESTED BY PARENTS PRIOR TO PILOT

Comments:

- May I start by saying that I am tech-challenged and yet I found this app to be very easy to navigate...Thank you everyone who worked so hard to create this wonderful app!
- I love this!!! It would have helped me years ago with the system!!
- Looks great. Nice work. This app is going to be great for parents.
- If only I had this tool 15 years ago, life would have been a whole lot easier!

PILOTING THE APP IN HOSPITALS

❖ Who participated?

VA and MA EHDI programs

❖ Hospitals

- VA from April to August 2018

Johnston Memorial Hospital and Southside Regional Medical Center

- MA from May to December 2018

Brigham and Women's Hospital, Beth Israel Deaconess Medical Center and Beth Israel Deaconess Hospital Plymouth

WHAT WE HAVE LEARNED FROM THE PILOT?

Survey results of all hospital personnel

- Is giving the app download instruction to parents when their babies have not passed hearing screen burdensome? **100% said not burdensome at all.**
- Other comments:
 - ✓ “I think this app is a wonderful idea for these parents.”
 - ✓ “Consider creating a FAQ for parents.”

APP DOWNLOADS DURING THE PILOT

i-phone 51

Android phone 37

Total number of downloads = 88

Number of “did not pass” from participating hospitals 164

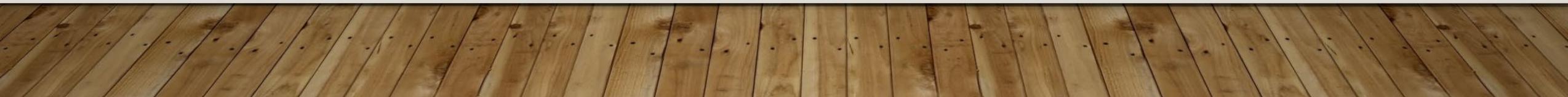
54% of parents downloaded

HIGH LEVEL I-PHONE AND ANDROID USERS DEMOGRAPHICS

- Age- no significant difference between the 2 groups of users
- Sex- more females use i-Phone
- Occupation-

iPhone users are more likely	Android users are more likely
Professionals	Engineers, programmers
Working in the business field	Working in technical industry

Data from emvicerence.com



WE INVITE YOU TO DOWNLOAD THE APP NOW

- Go to Google Play or the App Store on your phone and search for

“EHDI Hearing”

App Logo



QUESTIONS ABOUT HOW TO FACILITATE USAGE OF THE APP IN YOUR STATE?

Contact

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