

# **Early Hearing Detection and Intervention** Makes A Difference

Improving Vocabulary Outcomes in Children who are Deaf or Hard of Hearing

#### A 2017 study funded by the Centers for Disease Control and Prevention (CDC) found that for children who are deaf or hard of hearing (D/HH):



and met all of the Early Hearing Detection and Intervention (EHDI) 1-3-6 guidelines significantly increased their vocabulary outcomes.



who enrolled in early intervention by 6 months of age have the best opportunity for optimal vocabulary outcomes.

### What else did the study show?



All children who met the 1-3-6 guidelines had better vocabulary outcomes, including children who had additional disabilities or mothers with lower levels of education.



(English or Spanish).

Meeting all EHDI 1-3-6 benchmarks helped all children, regardless of their hearing thresholds or

other determining factors.

There was no significant relationship between vocabulary outcomes and language of the home



A D/HH adult in the home had a positive impact on vocabulary.



#### The study included 448 children:

- With bilateral hearing differences
- Ages 8 to 39 months
- Living across 12 states



## What are the EHDI 1-3-6 guidelines?

The EHDI 1-3-6 guidelines are key benchmarks that help identify children who are D/HH and ensure they start receiving intervention early.

**Enrollment in** intervention by 6 months

Successfully implementing the EHDI guidelines requires a team approach to ensure timely transitions from screening to identification to intervention. The team should including the following:

- **Pediatricians**
- Newborn screening personnel
- **Audiologists**
- Deaf mentors
- Early interventionists
- State-based EHDI surveillance programs
- Parents and caregivers Teachers of the D/HH

## What can health care providers do?



Routinely check to ensure your patients are meeting the EHDI 1-3-6 guidelines



the EHDI 1-3-6 guidelines

Encourage and help parents

to make sure their child meets



Encourage early intervention specialized for D/HH children



the reporting requirements in your state: https://www.infanthearing.org/ states/index.html



incorporating D/HH adults in their lives. This leads to better outcomes in communication.



risks of late identification and the life-long benefits for their child in meeting the EHDI 1-3-6 guidelines

#### Visit the American Academy of Pediatrics Early Hearing Detection and Intervention Program web page for more information and helpful resources: https://www.aap.org/ehdi

Where can I learn more?



U.S. Government.

# Future studies can look at related variables such as the following:

What can we learn from additional research?

Parent-to-parent support

- Parent-child interaction Intensity of intervention services
- Characteristics of early intervention providers and programs

Early Hearing

- Incorporating adults who are D/HH in the Early Intervention process Child's time using amplification
- Information shared with families Deaf community involvement

Detection & Intervention a program of the American Academy of Pediatrics