

Indiana Early Hearing Detection and Intervention (EHDI)

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PROGRESS in identification of hearing loss in children!!

- In 1993, only 3% of babies received a newborn hearing screening
- National mandate in 2000 required all states to provide hearing screenings to newborns.
- In 2012, 96-97% of babies received a newborn hearing screening
- Average age of identification:
 - 1980s: 30 months
 - 2003: 6 months
 - 2008: 3 months (White/NCHAM, 2008)
 - This is a stable statistic



INDIANA EHDI



EHDI Goals and Basics

- Primary objectives of EHDI
 - Identify children as deaf and hard of hearing as early as possible
 - Enhance their development and opportunities for success through appropriate programming and intervention
 - Provide ongoing support to families



EHDI Goals and Basics ...(as you know)

- 1-3-6!!
 - Screen by 1 month
 - Diagnose by 3 months
 - Early intervention by 6 months



Overview of Indiana EHDI



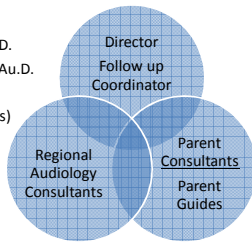
IN EHDI System and Administration

- Indiana State Department of Health
 - Division of Maternal and Children’s Health
 - Genomics and Newborn Screening
 - EHDI Program
- Funding
 - Indiana state government (Director only)
 - CDC Grant
 - HRSA Grant



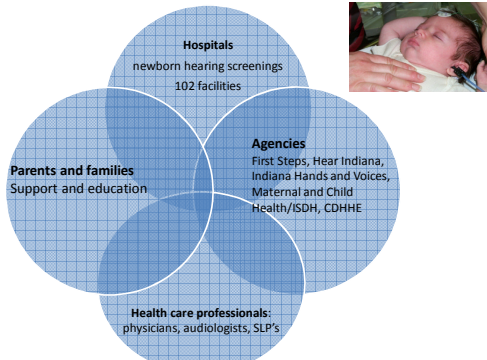
EHDI System and Administration

- EHDI Staff
 - Director-Rebekah Cunningham, Ph.D.
 - Follow-Up Coordinator-Alyssa Rex, Au.D.
 - 2 EHDI Parent Consultants
 - 7 Regional Consultants (Audiologists)
 - Guide By Your Side Director
 - 10 GBYS Parent Guides
 - Support staff



EHDI in Indiana

Identification, diagnosis and intervention of hearing loss



EHDI Process

- 80,000 babies born in Indiana each year
- Birthing centers use AABR (84%) and OAE (16%)
- Monitor hospital screening methods
- Provide follow up support and monitoring for babies who do not pass newborn hearing screenings and those at risk for hearing loss
- Provide support for ongoing interventio



Follow-up Coordinator-Alyssa Rex

- Completes data for CDC Annual Survey
- Follow up on approximately 10-20 new identifications of hearing loss per month
- Monthly reporting technical assistance and reports to hospitals and consultants
- New user screening/reporting training.
- Follow up on babies who pass with risk factors:
 - exposure to maternal infection (CMV, herpes)
 - craniofacial anomalies
 - jaundice
 - family history of congenital hearing loss)



Parent Consultant

- EHDI Parent Consultant is alerted about babies that do not pass and contacts the families to assist with follow-up, and sends a letter to the family and to the PCP-also contacts parent after diagnosis to provide support.
- Each month, the Parent Consultants:
 - 250 phone calls to parents
 - 150 calls to physician offices
 - 45 calls to audiologists
 - 30 calls to hospitals
 - >400 letters sent



Regional Consultant's role

- 6 audiologists cover 8 regions
 - Provide training and support to hospital screening programs and audiologists (when necessary)
 - Two face-to-face visits per year 80%+ of the hospitals annually
 - Monitor hospital Monthly Summary Report (MSR) performance
- Contribute with Director and F/U Coordinator in creation/modification of hospital screening guidelines and DAE protocols (ie: revising Best Practices for Pediatric Audiology Services and Risk Factors reported and monitored)



After diagnosis of hearing loss

- PCP receives Physician Tool Kit
 - The letter, a survey, PCP-Med Home Care Management, Resources, PCP Care Plan, and GBYS insert
- Parent is contacted by a Guide by your Side parent to offer ongoing support to the family.
- Indiana's parent guides have a hard of hearing child and have a variety of backgrounds:
 - Spanish-speaking
 - Amish and homebirth communities
 - Unilateral hearing loss
 - Cochlear implants
 - Hearing aids



Guide By Your Side

- Program of Hands and Voices and EHDI
- Guides are specially trained parents of deaf or hard of hearing children
- Provide unbiased support to families, from the perspective of someone who has walked a similar path in their demographic area
- Connect families to support organizations and assist them into Early Intervention



The role of the child's audiologist

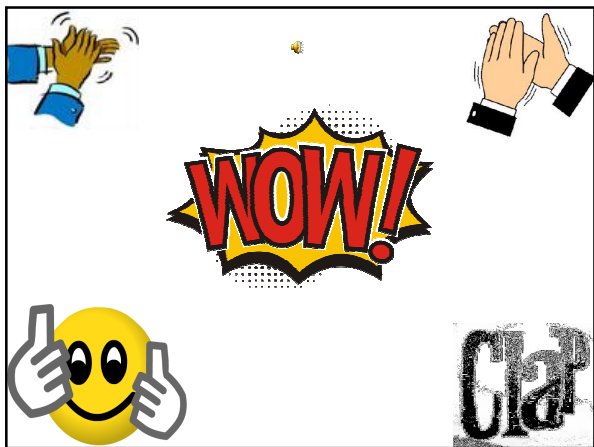
- Diagnostic testing of babies referred through UNHS using evidence-based practice and appropriate diagnostic testing procedures
- Report diagnostic test results to ISDH through use of the DAE form, regardless of hearing status.
- Work with PCP/ pediatrician and family so that coordination of care occurs.



So how are we doing in IN?

PRELIMINARY 2015 DATA





EHDI Successes

- Improved accuracy and reporting (direct data entry)
- Increased timeliness of data sharing, contacting families, PCPs, audiologists, etc. through direct data entry and alerts-texting families has improved contact.
- Improved physician education to help improve the loss to follow up babies.
- Quarterly newsletter to improve awareness of EHDI.
- Improved collaboration by midwives with loaner equipment
- Organized an advisory committee to improve program
- Provide newborn hearing screening equipment on a loaner basis to 5 hospitals and audiologists each year through a separate grant



Goals for EHDI

Improve collaboration with nurse midwives and provide physician education

- Provided loaner equipment to 4 midwife groups to start providing newborn hearing screenings
- Presented at state midwife conference
- Physician conferences

Improve training and collaboration with Indiana pediatric audiologists

- Pediatric conference July
- Newsletter
- Regional Consultants
- Revising Best Practice Guidelines

Improve monitoring and access of ongoing services for hard of hearing children : "6" goal

- Improve communication with audiologists in Indiana
- First Steps interactions
- Parent consultants

Reduce "loss to follow up" numbers

- Improve communication with families/physicians/auds to obtain results
- First Steps interactions

**How can we help you?
How can you help us?**

- Haapi program www.haapindiana.org
- Contact us for resources regarding hearing loss in children
- Connect families to Guide by your Side for support
- Help improve communication with us regarding children identified with hearing loss

Contact
www.hearing.in.gov

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