"HEAR" We Go: Michigan Early Intervention Providers Training Program

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Creating a Team

- University of Michigan Sound Support
- Michigan EHDI
- Michigan Early On® /EOT&TA
- First meeting of the minds April 25, 2005
- First training workshop March 9, 2006









University of Michigan Sound Support



- Outreach Program funded through a Medicaid Matching Grant Program – Established October, 2004
- Provide professionals with the tools needed to better serve the rehabilitative needs of children who are deaf and hard of hearing.
- Serve as a liaison between families with children who are deaf and hard of hearing and professionals in order to expedite and facilitate early identification and intervention.
- Part-time staffing includes 5 audiologists, 1 speech pathologist, 1 pediatric otolaryngologist and an administrative assistant



Michigan EHDI Program

- MI EHDI established 1997
- Housed in Michigan Department of Community Health
- No current mandate for EHDI screenings
- All birthing hospitals in MI voluntarily provide EHDI screenings
- Screening 95% of births (MI 2005)

Michigan Part C and Special Education



- Part C services provided through statewide Early On[®] program
- Early On[®] is managed and directed at county level with state level oversight
- Housed in Michigan Dept. of Education
- Birth to age 3 can receive additional services through MI Special Education
- In Michigan, special education services are available to those that qualify - Birth to 26

Why develop these training workshops?

- Screening goal for EHDI was being met but delays remain reaching diagnosis and intervention goals
- To provide early intervention service providers with knowledge and tools to better serve and guide families and children with hearing loss
- Improve timeliness and appropriateness of service to families and children with hearing loss

Planning Meetings

- Determine course content
- Understand each others' terminology
- Discuss prior knowledge of EO Providers (AudX, etc)
- Use of existing resources for registration and training locations
- Marketing
- Training one another about the role each plays in the EHDI process as well as role in upcoming training workshops

Divide and Conquer

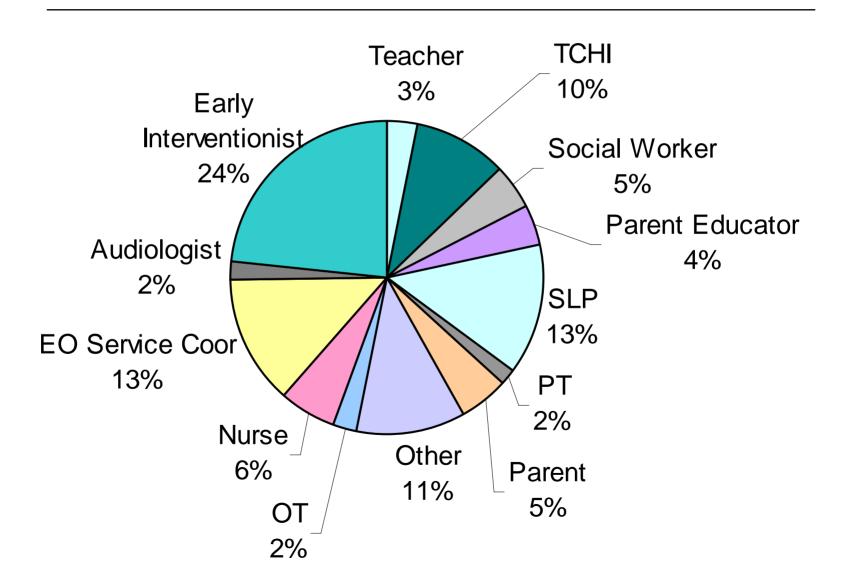
EHDI

- Provided feedback on overall presentation ensure unbiased information
- Distributed workshop information (letters, website)
- MDCH/Early On[®] Coordinator for Public Health
 - Determined locations, provided online registration, and onsite assistance
 - System update meetings
- Sound Support
 - Developed training materials and resources
 - Provided presenters, covered travel expenses

Summary of Outreach

- 7 Regional Training Workshops plus session held at the Annual Michigan Early On[®] Conference
- 4 hour workshop divided into three sections
- Pre/post tests along with training evaluation
- Packet of useful resources provided to all attendees

203 Attendees – All involved with MI Early On®

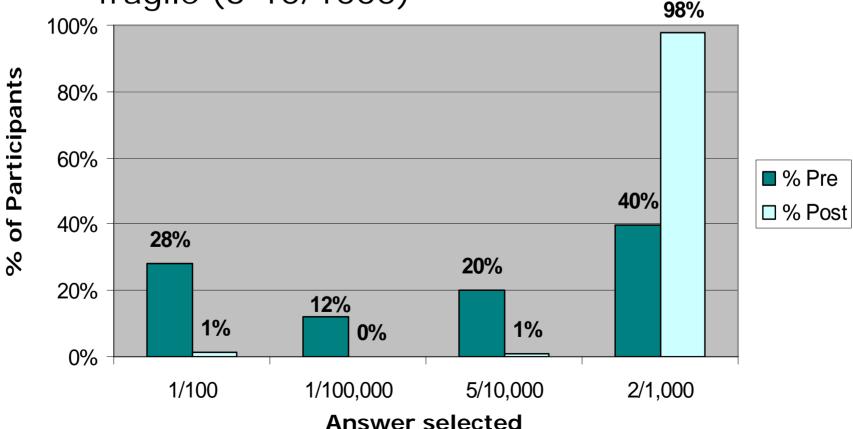


Section 1: Audiology 101

- How to read an audiogram
- Types of hearing loss
- How a child's hearing is tested
 - Objective and Subjective Testing Methods
 - Differences between screening and diagnostic testing
 - Avoiding the paper/pencil option of intake evaluation – importance of AudX

In the newborn population, what is the incidence of hearing loss?

Prevalence of hearing loss – general population (2/1000) and medically fragile (6-10/1000)



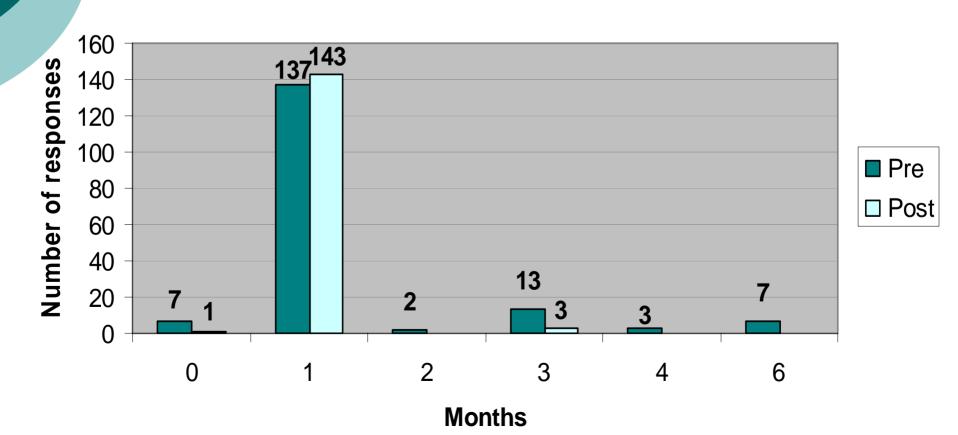
Section 2: EHDI Goals and Communication Options

- Reviewed National EHDI goals
- Statistics on the importance of early identification, intervention and the impact of hearing loss on development
- Communication Options
 - Opening the Doors: Technology and Communication Options for Children with Hearing Loss
 - Available online at: <u>www.ed.gov/about/offices/list/osers/products</u> /opening_doors/index.html
- Technology Options
 - Hearing Aids, Cochlear Implants, FM system
 - Demonstration using earplugs simulating a mild hearing loss



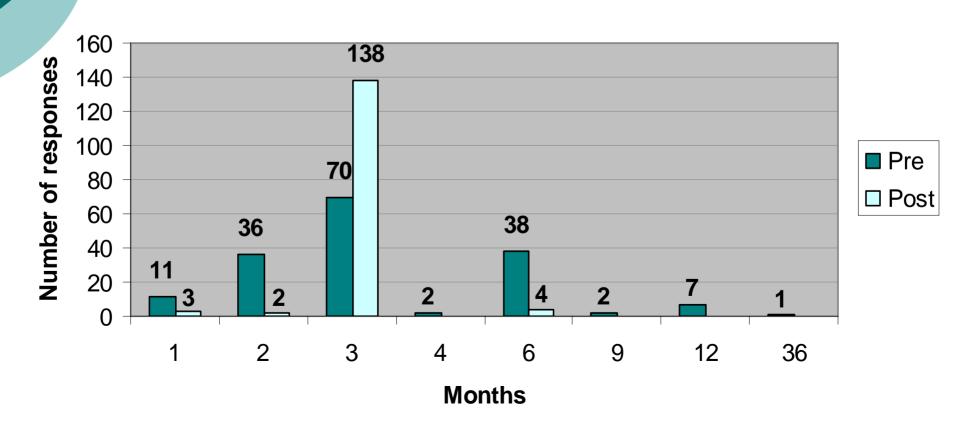
All newborns will be screened for hearing loss before ____ month of age.

Screen by 1 month



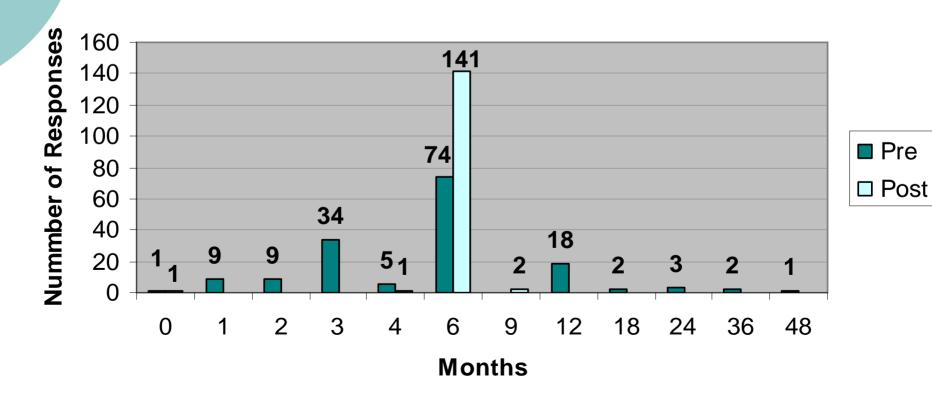
All infants who refer on newborn screen will have a diagnostic audiological evaluation before ____ months of age.

Diagnose by 3 months

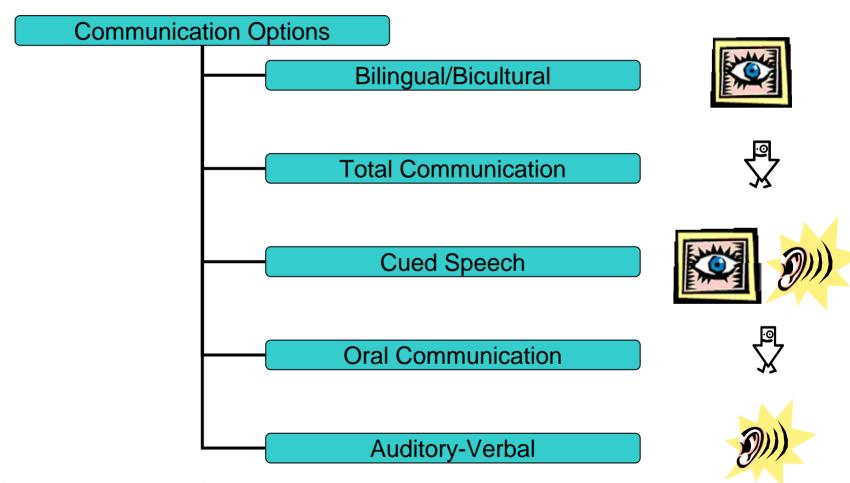


All infants identified with hearing loss will receive appropriate early intervention services before ____ months of age.

Intervention by 6 months



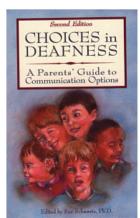
List the five communication options available for children who are deaf/hard of hearing.



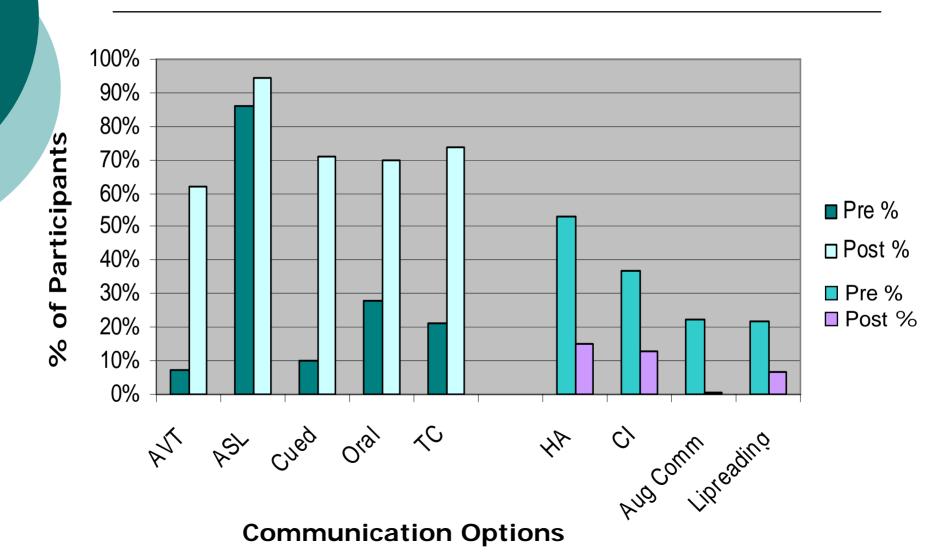
Reference: www.beginningssvcs.com

Communication Options

- Pretest no one listed all five communication options and only 6 listed four correctly
- Post test 57 of 148 listed all five modes of communication and 21 named four modes
- Sign Language continues to be most commonly known mode of communication on both pre and post tests
- This demonstrates bias and lack of knowledge regarding this area



Communication Options

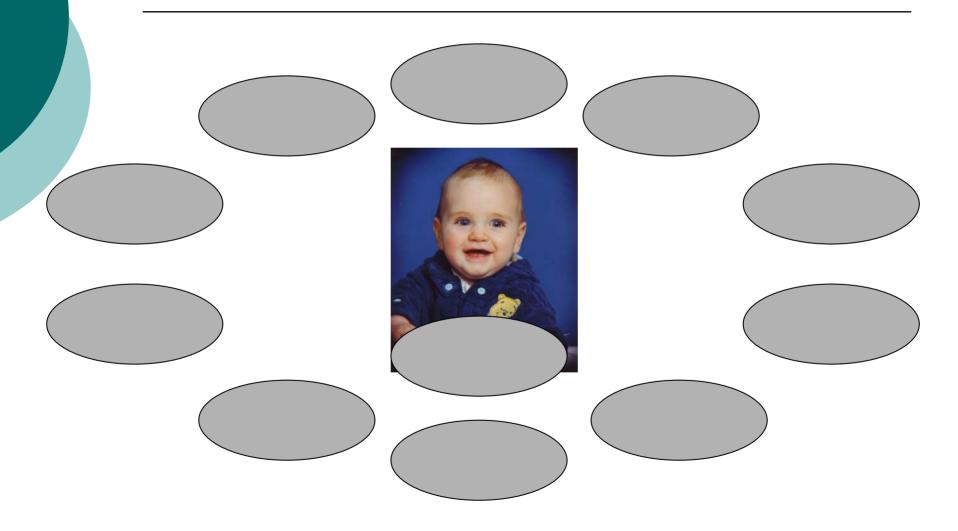


Section 3: EHDI, Early On & Jack: Two Systems Working Together

- Through use of Jack's case study, reviewed EHDI goals
- Attendees brainstormed "Dream
 Team" for Jack and identified
 "Roadblocks" to reaching EHDI goals
- Discussed solutions to roadblocks
- Provided various resources for local, regional and state agencies

Jack's Dream Team -

List who may be involved in the care of a child who is deaf/hard of hearing



Pre/Post Test Dream Team Members

Top 6 similar Pre& Post

	Pre %	Team Members		Ω	ost %	Team Members	
	70%	Audiologist			91%	Audiologist	
l	68%	SLP			75%	ENT	
	40%	TCHI			59%	SLP	
	38%	ENT			47%	TCHI	
	24%	Pediatrician			42%	Pediatrician	
	20%	Early On			29%	Early On	
	12%	Teachers			25%	Early On Service Coor	
	9%	Social Worke		\forall	20%	Spec Education	
	9%	Spec Education		1	17%	Family	
		Early On Serv	ice Coor		9%	Social Work	
	3%	Family			4%	Teachers	

Summary of Roadblocks: Screening

Family (68%)

Medical (20%)

Child (12%)

- In home births
- Parent refusal
- Discharged quickly
- No insurance
- Language barrier
- Parent fear/denial
- Young parent or low functioning parent

Medical Medical Powblems

Overtesting

Training of screeners

Misinfoilmation

Small Hospital

<100 births/yr

NICU stay/ other illness

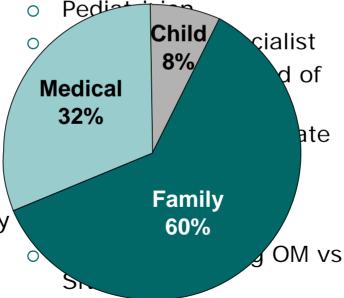
Summary of Roadblocks: Diagnosis

Family (60%)

Medical (32%)

Child (8%)

- Lack of follow up
- Family denial
- Lack of knowledge
- No insurance
- Transportation
- Family moves
- Language barrier
- Unable to contact family
- Job/Work interferences
- Parent not concerned
- Basic needs come first



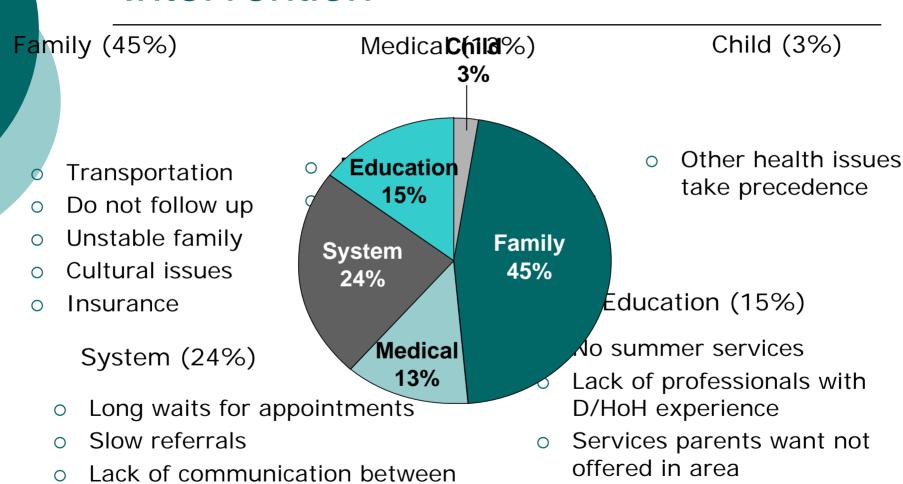
 Inexperienced providers in testing peds

- Other medical concerns
- Late onset HL
- Developmental response to sound vs HL
- Difficult to test
- Foster/adopted no previous med hx

Summary of Roadblocks: Intervention

agencies

Time lost on paperwork/red tape



Special Ed Guidelines restrict

who is eligible for service

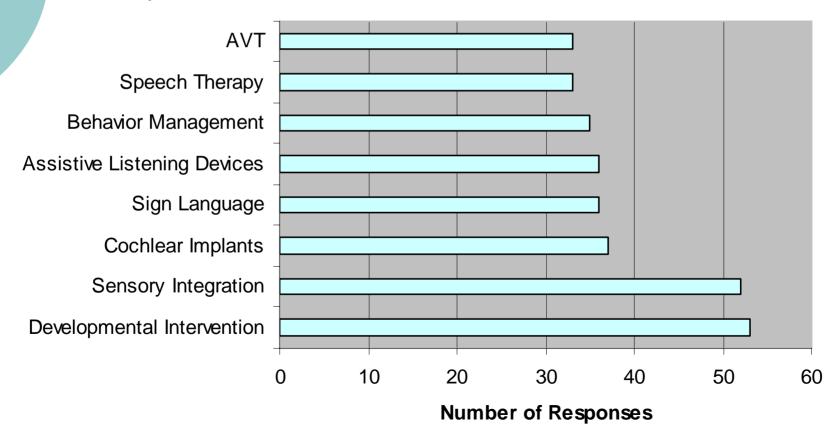
Summary: Roadblocks To Reaching EHDI Goals

	Child	Family	Medical	System	Education						
Screen	12%	68%	20%								
Diagnosis	8%	61%	32%								
Intervention	3%	46%	13%	24%	15%						

Highest percentage of roadblocks reported by EI providers revolved around the family.

Future Outreach for EI Providers

Participants asked to choose 3 topics from 14 possible.



Future Outreach Activities

UM Sound Support

- Continue to educate and empower parents to best navigate the system
- Continue outreach to EI providers working with families and children with hearing loss
 - Spring Workshop on AVT: Fostering Listening and Language Development
- Regional AUD/SLP/TCHI/CI roundtables
- MAC Fall Conference 2007
 - Hands On ABR Course
- Lectures to grad students and professionals on hearing loss, auditory verbal therapy and technology
- Individual school visits

Future Outreach Activities

- Early On/EHDI Stakeholder meetings
 - Determine roadblocks to the current system
 - Identify and prioritize needs
 - Ensure early identification, service/care coordination, eligibility determination, and quality assurance

Future Outreach Activities

Early On[®]

- Partnering with UM Sound Support to have Audiology 101 online training prior to AUDx trainings
- Continue discussion re: HIPAA/FERPA roadblock
- Update MI State Interagency Coordinating Council for Early On[®] about these findings

"No one can whistle a symphony. It takes an orchestra to play it." H.E. Luccock

We need to continue to work together to provide an efficient system that enables families and children with hearing loss to reach their maximum potential for success.











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Questions or Comments-

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