EARLY HEARING DETECTION & INTERVENTION
EHDI
NTRC NATIONAL TECHNICAL RESOURCE CENTER
at the
National Center for Hearing Assessment and Management,
Utah State University

EHDI Expansion to Include Children Up to Three Years of Age: An Environmental Scan

Thank You's

e·c·h·o
INITIATIVE
Early Childhood Hearing Outreach
NCHAM
National Center for Hearing Assessment and Management
Utah State University™

Reauthorization of the Early Hearing Detection and Intervention (EHDI) Act of 2017

Public Law 115–71
115th Congress

An Act

To amend the Public Health Service Act to reauthorize a program for early detection, diagnosis, and treatment regarding deaf and hard-of-hearing newborns, infants, and young children.

Oct. 18, 2017
[S. 652]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

Early Hearing Detection and Intervention Act of 2017.
42 USC 201 note.

SECTION 1. SHORT TITLE.

This Act may be cited as the "Early Hearing Detection and Intervention Act of 2017".

SEC. 2. REAUTHORIZATION OF PROGRAM FOR EARLY DETECTION, DIAGNOSIS, AND TREATMENT REGARDING DEAF AND HARD-OF-HEARING NEWBORNS, INFANTS, AND YOUNG CHILDREN.

(a) SECTION HEADING.—The section heading of section 399M of the Public Health Service Act (42 U.S.C. 280g–1) is amended to read as follows:

"SEC. 399M. EARLY DETECTION, DIAGNOSIS, AND TREATMENT REGARDING DEAF AND HARD-OF-HEARING NEWBORNS, INFANTS, AND YOUNG CHILDREN.".

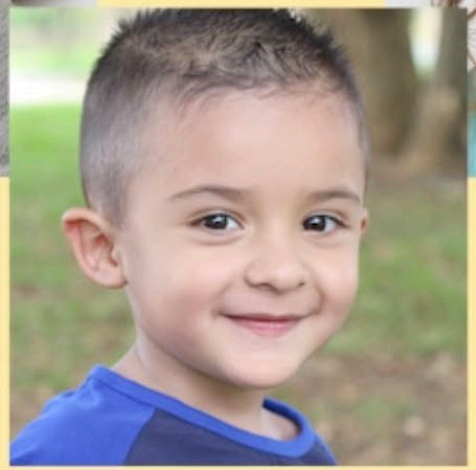
(b) STATEWIDE SYSTEMS.—Section 399M(a) of the Public Health Service Act (42 U.S.C. 280g–1(a)) is amended—

(1) in the subsection heading, by striking "NEWBORN AND INFANT" and inserting "NEWBORN, INFANT, AND YOUNG CHILD";

(2) in the matter preceding paragraph (1)—

(A) by striking "newborn and infant" and inserting "newborn, infant, and young child"; and

"providers," and inserting "providers
tion and training of family



NOFO Language

Develop a state/territory plan to expand infrastructure, including data collection and reporting, for hearing screening for children up to age 3 by the end of year 2*. This plan should outline the resources, key stakeholders, partnerships, and services necessary to implement the plan. A public health approach that aligns with other public health and/or service programs within the state should be proposed as well as the role of the EHDI Program (i.e., partnering and collaborating with Maternal and Child Health programs, such as but not limited to the Title V Children and Youth with Special Health Care Needs (CYSHCN) Program; newborn bloodspot screening program; Maternal, Infant, and Early Childhood Home Visiting Program; Special Supplemental Nutrition Program for Women, Infants, and Children (WIC); Early Head Start; and Family-to-Family Health Information Centers).

Today's Topics

1. Environmental Scan Topics
2. EHDI-NTRC Resources and Ideas for Future Plans
3. Considerations from HRSA

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Expanding EHDI for Children Up the Three Years of Age

Environmental Scan of Community-Based Early Childhood Hearing Screening up to the age of 3

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- Evidence-based and evidence-informed approaches to hearing screening, including periodicity schedules, protocols, guidelines, and regulations.

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Environmental Scan of Community-Based Early Childhood Hearing Screening up to the age of 3

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- Recommended locations to do screening, including policies and practices of potential partners.

- Collaboration and referral mechanisms, including data sharing agreements, data systems, reporting by audiologists, and privacy issues.

- Potential roles for EHDI programs, including strategies, stakeholders, educational methods, and progress.

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ENVIRONMENTAL SCAN
EARLY HEARING DETECTION AND INTERVENTION PROGRAM EXPANSION TO INCLUDE SCREENING THE HEARING OF CHILDREN UP TO 3 YEARS OF AGE

Table of Contents

Introduction	4
Definitions	7
Evidence-Based and Evidence-Informed Hearing Screening Approaches for Children up to Three Years of Age	11
Recommended Screening Approaches	11
Otoacoustic Emissions	11

Introduction 4
Definitions 7
Evidence-Based and Evidence-Informed Hearing Screening Approaches for Children up to Three Years of Age 11
Recommended Screening Approaches 11
Otoacoustic Emissions 11
Advantages 12
Disadvantages 12
Immittance (Tympanometry) 12
Screening Approaches Not Recommended 13
Automated Auditory Brainstem Response (AABR) 13
Behavioral Observation 13
Visual Reinforcement Audiometry (VRA) 14
Conditioned Play Audiometry (CPA) 14
Periodicity Schedules 14
Protocols and Guidelines 15
Evidence-Based Protocol 15
Evidence-Informed Protocols 17
Protocol Considerations 17

Introduction 4
Definitions 7
Evidence-Based and Evidence-Informed Hearing Screening Approaches for Children up to Three Years of Age 11
Recommended Screening Approaches 11
Otoacoustic Emissions 11
Advantages 12
Disadvantages 12
Immittance (Tympanometry) 12
Screening Approaches Not Recommended 13
Automated Auditory Brainstem Response (AABR) 13
Behavioral Observation 13
Visual Reinforcement Audiometry (VRA) 14
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Periodicity Schedules 14
Protocols and Guidelines 15
Evidence-Based Protocol 15
Evidence-Informed Protocols 17
Protocol Considerations 17

Introduction 4
Definitions 7
Evidence-Based and Evidence-Informed Hearing Screening Approaches for Children up to Three Years of Age 11
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Advantages 12
Disadvantages 12
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Behavioral Observation 13
Visual Reinforcement Audiometry (VRA) 14
Conditioned Play Audiometry (CPA) 14
Periodicity Schedules 14
Protocols and Guidelines 15
Evidence-Based Protocol 15
Evidence-Informed Protocols 17
Protocol Considerations 17

Screening Settings 19
Settings and Variables 19
Potential Partner Organizations 20
Early Head Start 20
Part C/Early Intervention 22
Policies and Practices of Specific Health and/or Service Programs 23
Early Periodic Screening, Diagnosis, and Treatment 23
Hearing Screening Services for Children 24
Collaboration and Referral Mechanisms 25
Data Sharing Agreements 25
Database Systems 26
Role of Audiologists 28
Privacy Regulations 29
Potential Roles for EHDI Programs 30

Screening Settings 19
Settings and Variables 19
Potential Partner Organizations 20
Early Head Start 20
Part C/Early Intervention 22
Policies and Practices of Specific Health and/or Service Programs 23
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Database Systems 26
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Privacy Regulations 29
Potential Roles for EHDI Programs 30

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Hearing Screening Services for Children 24
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Privacy Regulations 29
Potential Roles for EHDI Programs 30

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Settings and Variables 19
Potential Partner Organizations 20
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Data Sharing Agreements 25
Database Systems 26
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Privacy Regulations 29
Potential Roles for EHDI Programs 30

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Hearing Screening Services for Children 24
Collaboration and Referral Mechanisms 25
Data Sharing Agreements 25
Database Systems 26
Role of Audiologists 28
Privacy Regulations 29
Potential Roles for EHDI Programs 30

Engaging in Program Development 30
Statewide Outreach 30
Identify Stakeholders 31
Early Head Start 31
Part C/Early Intervention 32
Learning About Programs 32
Early Head Start 33
Part C/Early Intervention 34
Engage in Local Program-level Partner Outreach, TA, and Training 35
Outreach 35
Planning 36
Training 36
Technical Assistance (TA) 37

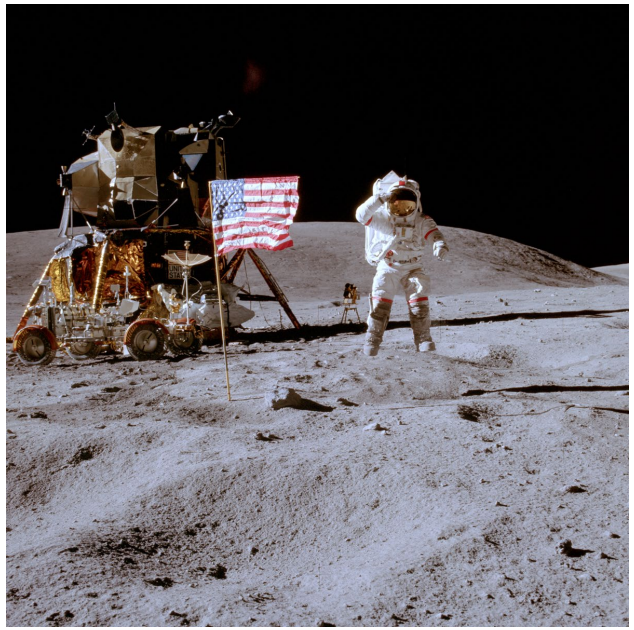
Engaging in Program Development 30
Statewide Outreach 30
Identify Stakeholders 31
Early Head Start 31
Part C/Early Intervention 32
Learning About Programs 32
Early Head Start 33
Part C/Early Intervention 34
Engage in Local Program-level Partner Outreach, TA, and Training 35
Outreach 35
Planning 36
Training 36
Technical Assistance (TA) 37

Appendices 38
1 - Risk Factors for Early Childhood Hearing Loss 38
2 - Models of Evidence-Based and Evidence-Informed Practice 39
3 - Guidelines 40
4 - Otoacoustic Emissions - Advantages and Limitations 41
5 - AAP Periodicity Schedule 42
6 - ASHA OAE Only Protocol 44
7 - AHSA OAE and Tympanometry Protocol 45
8 - Contextual Considerations 46
9 - ECHO Initiative Resources 48
10 - Potential Expansion Partners from HRSA-EHDI Funding Applications 52
11 - Newborn Bloodspot Screening Program 53
12 - Special Supplemental Nutrition Program for Women, Infants and Children 54
13 - Title V Children and Youth with Special Health Care Needs (CYSHCN) 55
14 - Family to Family Health Information Centers 56
15 - Maternal, Infant, and Early Childhood Home Visiting Program (MIECHV) 57
16 - Jurisdictions Funded by Center for Disease Control and Prevention EHDI 58
References 59

Where do we begin with expansion?

What could be added to current universal NHS protocols that could potentially increase identifications of hearing loss up to three years of age?

- CMV testing
- Comprehensive Genetic Testing



Potential Partners in Early Identification of Late Onset Hearing Loss

Two Existing Programs in Every State

Program for Infants and Toddlers with Disabilities
(Part C of IDEA)

Program for Infants and Toddlers with Disabilities **(Part C of IDEA)**

Required to identify children with developmental delays or disabilities

Program for Infants and Toddlers with Disabilities
(Part C of IDEA)

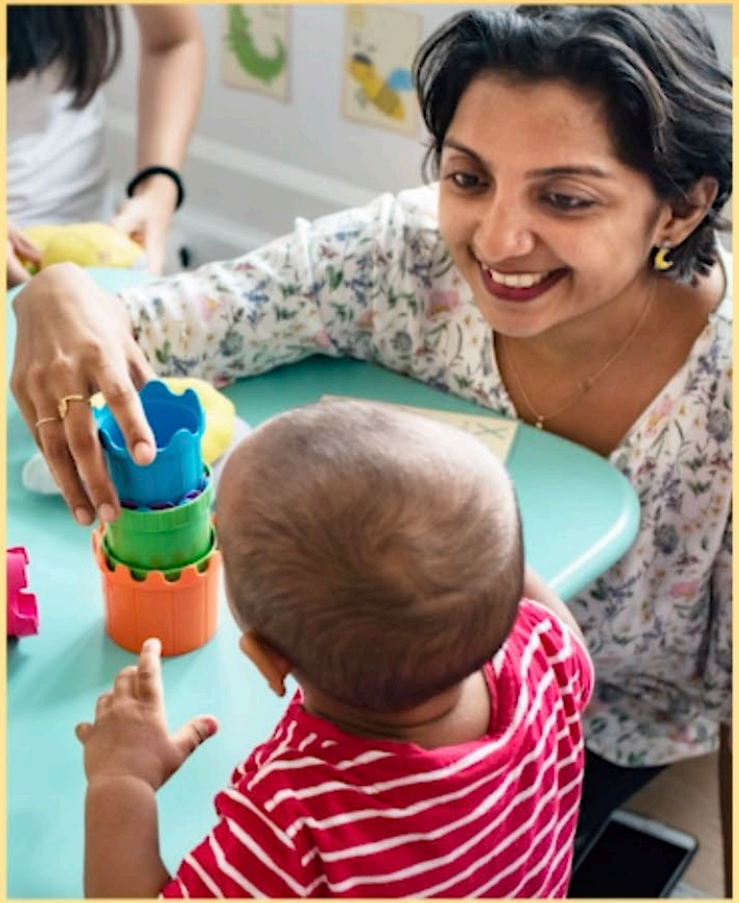
Head Start

every child must receive an annual hearing screening

Head Start

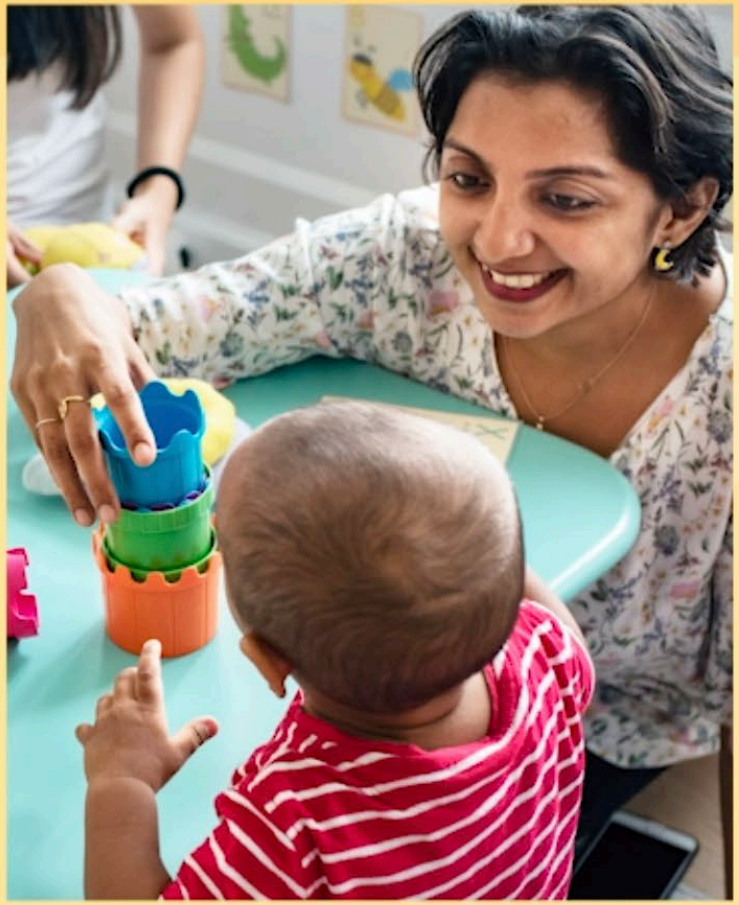
Promotes school readiness for children in low-income families by offering:

Head Start
Population-Specific Programs



	serves
"Regular" Head Start	3-5 yr olds
Early Head Start	0-3 yr olds
Migrant Head Start	0-5 yr olds
American Indian/ Alaska Native Head Start	0-5 yr olds

Head Start
Population-Specific Programs



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American Indian/ Alaska Native Head Start	0-5 yr olds

Meet with State Leadership

Part C

State Part C Coordinator provides oversight to the statewide Part C program and local recipients of federal funding for this program.

Meet with State Leadership

Part C

State Part C Coordinator provides oversight to the statewide Part C program and local recipients of federal funding for this program.

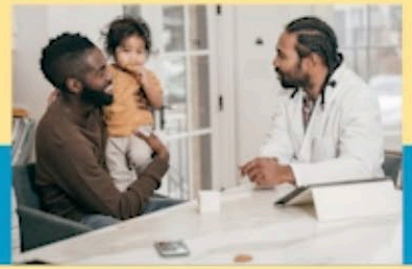
Head Start

Head Start State Collaboration Office facilitates collaboration between Head Start programs and other services, systems and initiatives in the state.

Potential Screening Partners

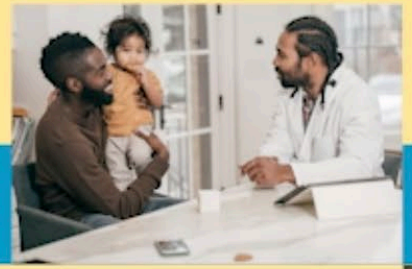
Potential Screening Partners

Health Departments



Potential Screening Partners

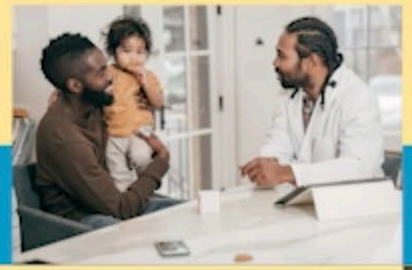
Health Departments



School Districts

Potential Screening Partners

Health Departments

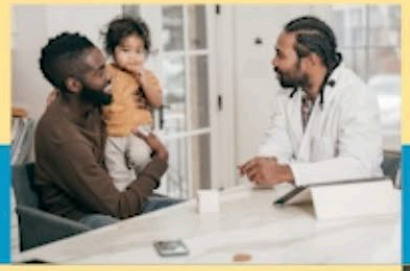


School Districts

Home Visiting Programs

Potential Screening Partners

Health Departments



School Districts

Home Visiting Programs

Health Care Settings

Potential Partners

Early Periodic Screening, Diagnostic and Treatment (EPSDT) Program	Newborn Bloodspot Screening Program	Special Supplemental Nutrition Program for Women, Infants and Children (WIC)
Title V Children and Youth with Special Health Care Needs Program	Family-to-Family Health Information Centers	Maternal, Infant, and Early Childhood Home Visiting Program

Potential Outreach Partners

Early Periodic Screening, Diagnostic and Treatment (EPSDT) Program	Newborn Bloodspot Screening Program	Special Supplemental Nutrition Program for Women, Infants and Children (WIC)
Title V Children and Youth with Special Health Care Needs Program	Family-to-Family Health Information Centers	Maternal, Infant, and Early Childhood Home Visiting Program

Strategies for Improving Access to Early Childhood Hearing Screening

Strategies

Outreach

State Leadership

Strategies

Outreach

State Leadership - Community Programs

State Part C Coordinator

Director of the Head Start State Collaboration Office

Local Part C Programs

Head Start Programs

Strategies

Outreach

State Leadership - Community Programs - General Public

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Strategies

Outreach

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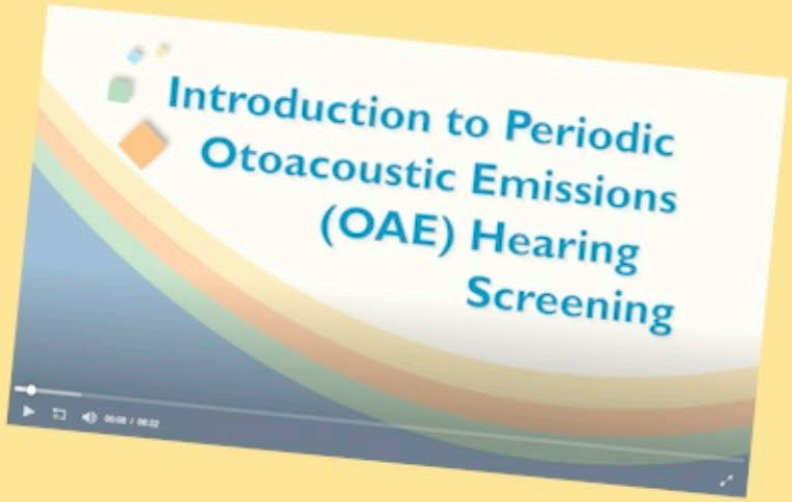
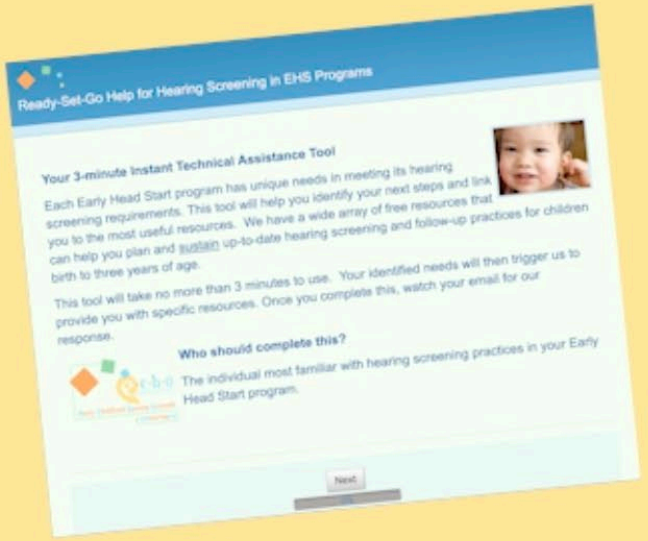
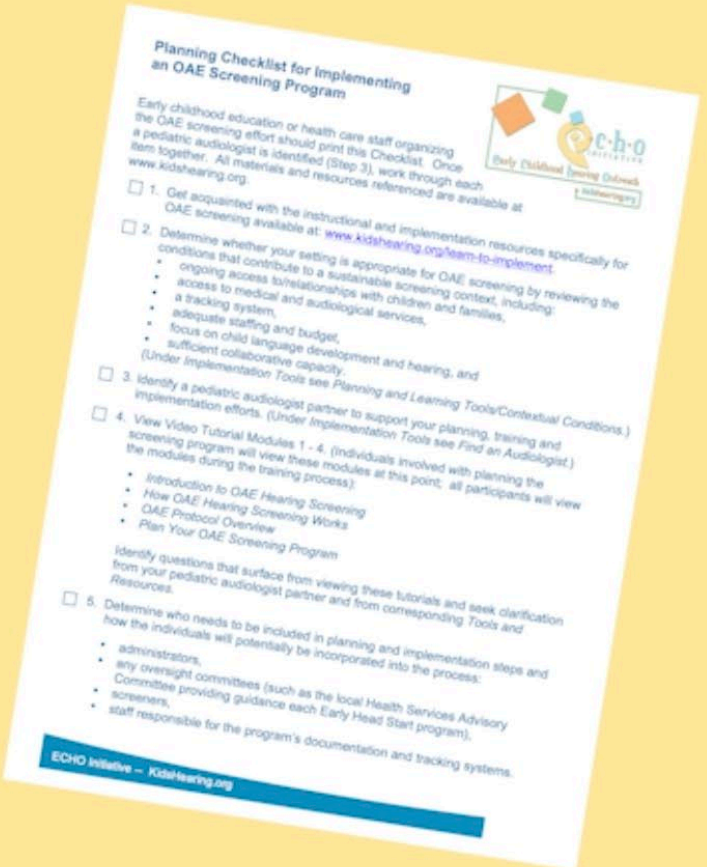




Strategies

Outreach → Planning

Important Planning Questions



Planning Checklist for Implementing an OAE Screening Program

Early childhood education or health care staff organizing the OAE screening effort should print this Checklist. Once a pediatric audiologist is identified (Step 3), work through each item together. All materials and resources referenced are available at www.kidshearing.org.

- ☐ 1. Get acquainted with the instructional and implementation resources specifically for OAE screening available at: www.kidshearing.org/learn-to-implement.
- ☐ 2. Determine whether your setting is appropriate for OAE screening by reviewing the conditions that contribute to a sustainable screening context, including:
  - ongoing access to/relationships with children and families,
  - access to medical and audiological services,
  - a tracking system,
  - adequate staffing and budget,
  - focus on child language development and hearing, and
  - sufficient collaborative capacity.

  (Under *Implementation Tools* see *Planning and Learning Tools/Contextual Conditions*.)
- ☐ 3. Identify a pediatric audiologist partner to support your planning, training and implementation efforts. (Under *Implementation Tools* see *Find an Audiologist*.)
- ☐ 4. View Video Tutorial Modules 1 - 4. (Individuals involved with planning the screening program will view these modules at this point; all participants will view the modules during the training process):
  - *Introduction to OAE Hearing Screening*
  - *How OAE Hearing Screening Works*
  - *OAE Protocol Overview*
  - *Plan Your OAE Screening Program*

  Identify questions that surface from viewing these tutorials and seek clarification from your pediatric audiologist partner and from corresponding *Tools and Resources*.
- ☐ 5. Determine who needs to be included in planning and implementation steps and how the individuals will potentially be incorporated into the process:
  - administrators,
  - any oversight committees (such as the local Health Services Advisory Committee providing guidance each Early Head Start program),
  - screeners,
  - staff responsible for the program's documentation and tracking systems.

ECHO Initiative — KidsHearing.org

Strategies

Outreach → Planning → Training → Obtaining Training

Strategies

Outreach | Planning | Training | TA

- Screening techniques
- Error messages or other equipment issues
- Tracking Process and follow-up protocol steps
- Communicating with health care providers
- Sharing results with parents
- Monitoring program quality - initial pass/refer rates

www.kidshearing.org

Helping you implement evidence-based hearing screening practices

Early Head Start – Head Start – Early Intervention – Preschools – Home Visiting – Schools – Health Care

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Early Childhood Hearing Outreach

kidshearing.org

Last Modified: 12/03/202

EHDI System

- Newborn Hearing Screening
- Early Childhood Hearing Screening
- Diagnostic Audiology
- Early Intervention
- Family Support and Partnership
- Medical Home
- Data Management
- Financing & Reimbursements
- Program Evaluation

Early Childhood Hearing Screening

- Leadership and Planning Tools
- Upcoming Events:
  - Introduction to Evidence-Based Hearing Screening and Evaluation Practices for Children ages 0-5 NCHAM Webinar: November 9, 2021 | 12:00 pm - 1:00 pm MT (11:00 am - 12:00 pm PT | 1:00 pm - 2:00 pm CT | 2:00 pm - 3:00 pm ET)

Early Childhood Hearing Screening

The number of children with hearing loss doubles during early childhood--from approximately 3 in 1000 at birth to 6 in 1000 by school age. Providing hearing screening during the early language-learning years is critical for helping more children receive the benefits of early identification and intervention. Since 2000, NCHAM has provided resources and learning opportunities aimed at improving the availability of evidence-based early childhood hearing screening.

How EHDI Staff Can Expand 0-3 Screening

Expanding EHDI for Children Up to Three Years of Age - Training Module

KidsHearing.org

Leadership and Planning Tools

- Expanding Evidence-Based Hearing Screening Services for Children Birth to Three Years of Age [PDF]
- Head Start - EHDI Leaders Discussion Guide [PDF]
- Part C - EHDI Leaders Discussion Guide [PDF]
- Technical Assistance Needs Survey and cover letter [DOCX]
- Planning Checklist for Evidence-Based Hearing Screening Practices [PDF]
- Pure Tone/OAE Screening Considerations [PDF]
- Published articles

Last Modified: 07/29/2021

EHDI System

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- Early Childhood Hearing Screening
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How EHDI Staff Can Expand 0-3 Screening

Expanding EHDI for Children Up to Three Years of Age - Training Module

Leadership and Planning Tools

Early Care & Education Providers Training and Implementation Resources

Planning Resources

- Big Picture Resources
- Find an Audiologist
- Screening Equipment

Access Training

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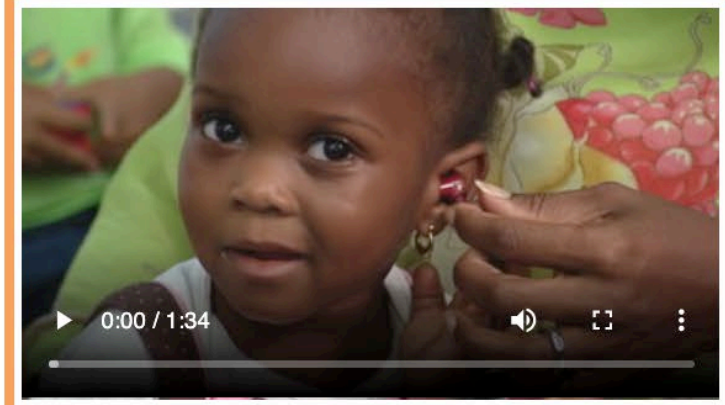
Early Childhood Hearing Outreach

Early Care & Education Providers Training and Implementation Resources



Watch a preview of OAE screening

Planning Resources

- Big Picture Resources
- Find an Audiologist
- Screening Equipment

Access Training

- OAE Training
- Pure Tone Audiometry Training

Screening Resources

- Prepare for Screening
- Protocol Guides & Forms
- Share Results: Letters & Scripts

Follow-up Resources

- Track Child Progress
- Monitor Program Quality

Archives

Previously Recorded Webinars

Previous Materials and Tools

- Leadership and Planning Tools
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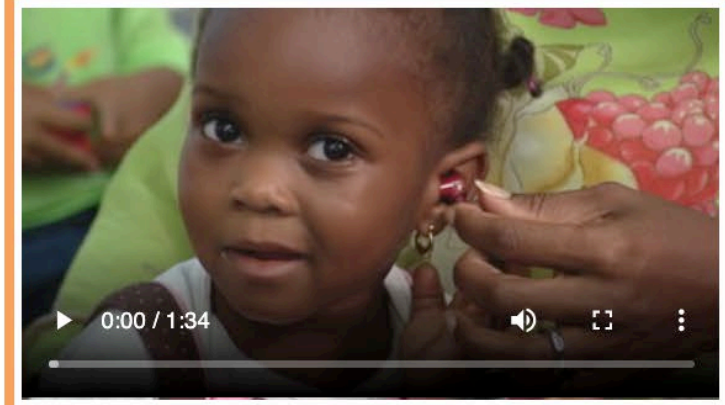

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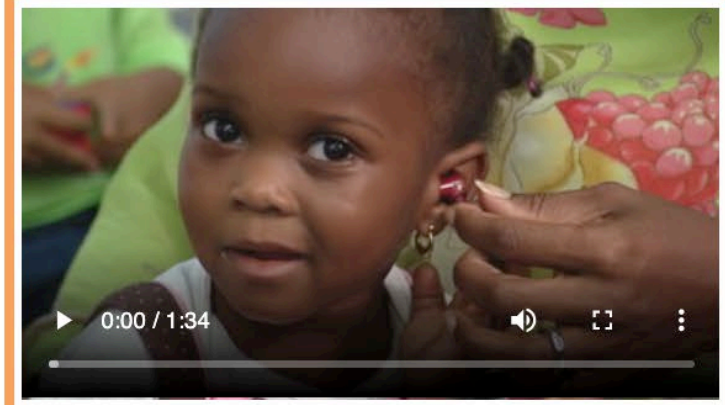

Watch a preview of OAE screening

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www.kidshearing.org

Helping you implement evidence-based hearing screening practices

Early Head Start – Head Start – Early Intervention – Preschools – Home Visiting – Schools – Health Care

NOFO Language

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NOFO Language – Cont'd

- What is HRSA asking for within the NOFO?
  - A **plan**, not implementation
  - Propose approach for expanding hearing screening – including data collection and reporting
    - ✓ "… outline the resources, key stakeholders, partnerships, and services necessary to implement the plan."
    - ✓ "…a public health approach that aligns with other public health and/or service programs within the state…"
    - ✓ "…the role of the EHDI Program…"

Clearly detail needed resources, as well as challenges or barriers that need to be addressed in order for your plans to be successful. Give HRSA a picture of what it would take for you to do what you envision beyond your current work scope.

HRSA Maternal & Child Health

HRSA EHDI: Considerations

Questions Regarding Requirements

- Are we expected to implement the plan within the current grant cycle?
- Do we have to submit a plan if we already screen 0-3?

Requirements

- Plan, but not requiring implementation
- Programs currently screening 0-3 can plan for enhancing current infrastructure

HRSA EHDI: Considerations

Questions Regarding Format

- Are we required to use a specific template for our plan?
- Is there a minimum or maximum page limit for the plan?
- Do we need to include figures, charts, data tables, etc. in our narrative?

Format

- There isn’t a specific template required
- Data tables/figures are not required
- No page limit, but the plans should be substantive

HRSA EHDI: Considerations

Questions Regarding Content

- Are we supposed to plan using our current funding level?
- Are there specific agencies we should partner with?
- Are there specific activities we should include?

Content

- Assume level funding and consider alternative funding sources
- Include the most relevant partners and their roles, including role of EHDI program
- Include a public health approach that aligns with other public health or service programs within the state and that includes relevant data collection and reporting

HRSA EHDI: Considerations

Questions Regarding Target Condition(s)

- What are the target conditions of the screening plan being developed?

Target Condition

- Consider feasibility and capacity within the scope of screening for permanent hearing loss

HRSA EHDI: Helpful Questions

Current Infrastructure & Resources

- What is your state/territory's current infrastructure for hearing screening?
- Who is involved in hearing screening? What are their roles?
- What existing partnerships can you currently leverage? What new partners are needed?
- What data do you currently have access to? What is the best way for you to measure these efforts?
- What strategies do you currently have in place to support program sustainability? For example, what is your staffing capacity, what financial support do you currently receive, and which partnerships are essential for sustaining early childhood hearing screening in your state/territory?

HRSA EHDI: Helpful Questions

Planning Process

- What makes sense in terms of progression? For example, do you first need to build awareness, then services, and so forth?
- Are there underserved populations that you want to focus on first (based on rates of screening)? Does this align with your D&I Plan?
- What is the most feasible timeframe for carrying out the proposed activities?
- What can be accomplished with current funding? What if you secured additional funding?
- What is your EHDI Program's role in expanding hearing screening infrastructure?
- What barriers do you anticipate? What TA is needed?

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