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EHDI State and Territorial Profiles Tennessee

This profile includes information about a state or territorial EHDI program related to general program information, hearing screening, re-screening and diagnostic evaluations, early intervention, and the EHDI data system.

If any information in this profile is incorrect or needs to be updated please email: ehdi@cdc.gov

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Category and Questions	Information
General Program Information	
Official name of the state/territory Early Hearing Detection and Intervention (EHDI) program	Tennessee Newborn Hearing Screening
Contact for the state/territory EHDI program.	Bruce Ellard EHDI Data Manager Bureau of Health Informatics Cordell Hull Building 425 Fifth Ave. N., 6th floor Nashville, TN 37247 615-741-8454 615-253-5187 Bruce.Ellard@state.tn.us
Legislation regarding newborn hearing screening? If yes, does the legislation mandate or provide funds for newborn hearing screening and follow-up services?	Yes Claire's Law Effective July 1, 2008 No funds were designated for newborn hearing screening or follow-up. Insurance was mandated to pay for screening. Hearing providers are mandated to report screening and follow-up. Part C Tennessee Early Intervention System (TEIS) mandate to assist with screening follow-up and High Risk follow-up. Web: http://health.state.tn.us/NBS/
State/territory website related to	Yes

infant/child hearing loss?	http://health.state.tn.us/womenshealth/NBS/Hearing.htm
State/territory CDC/EHDI Cooperative Agreement related to hearing screening?	No
State/territory have a Maternal and Child Health Bureau Grant related to hearing screening?	Yes
Participate in a CDC funded research project?	No
Hearing Screening Information	
State/territory written guidelines and/or protocols for performing hearing screenings?	Yes The Department of Health " <u>Newborn Hearing Screening Protocols for Hospitals and Birthing Centers</u> " provides recommendations to hospitals on developing hearing screening programs, selection of screening personnel and equipment, screening procedures, reporting results, protection of families' rights, communication with families, risk factors for hearing loss, and quality assurance.
Primarily responsible in most hospitals for conducting in-hospital hearing screenings?	Nurses, Audiologists, Other hospital staff do perform hearing screenings
Estimated percentage of newborns that are initially screened with OAE or AABR. (Of the newborns that failed the initial screen, estimated percentage that are re-screened in the hospital with OAE or AABR.)	NICU Screening: OAE____%; AABR_____% WBN Screening: OAE____%; AABR_____% NICU Re-screening: OAE____%; AABR_____% WBN Re-screening: OAE____%; AABR_____%
State/territory requires parental consent for hearing screening(s) to be done at the time of birth?	No In the 57 of 92 birthing facilities that have implemented universal hearing screening parents do not sign specific informed consent for hearing screening. Parents only sign a general consent for treatment upon hospital admission.
What happens if a baby does not pass the initial hearing screening(s)?	Re-screen in hospital before discharge, Re-screen as outpatient Infants who do not pass their initial screening are typically given a second screening before discharge, usually using the same technology (If a baby has been discharged prior to a second screening, infants can be rescreened as an outpatient).
Birthing hospitals/facilities/providers	<i>No information currently available</i>

required to report hearing screening results to the state?	
How birthing hospitals/facilities report hearing screening information to the state/territory	99% of individual-level screening are received on metabolic forms; on 1% paper forms. Report each child, Some hospitals do report screening results, but they are not required to. "Hearing Screening Only" forms are available to hospitals for babies who are screened or re-screened after the metabolic (blood spot) form is sent to the state lab. 1% on paper forms.
Hearing screening results reported to the infant's physician? [If yes, are all results reported or only failed screening?]	Notify "Refer" results only A letter is sent by the screening hospital to the physician of all infants who do not pass their hearing screening (when the infant's physician is known). A letter is also generated by the database system to the primary care provider indicating the need for re-screening.
Rescreening and Diagnostic Evaluations	
State/territory written guidelines and/or protocols for performing hearing re-screenings?	<i>No information currently available</i>
State's program guidelines for helping families with third party preauthorization of re-screening or diagnostic evaluations?	<i>No information currently available</i>
State/territory written guidelines and/or protocols for performing diagnostic evaluations?	The Department of Health " <u>Pediatric Hearing Screening, Audiologic Diagnostic, and Early Intervention Providers</u> " provides a list of pediatric service providers for hearing follow-up. The list identifies hearing and speech centers for screening and diagnostic testing, otolaryngologists, ENT's, audiologists, hearing aid providers, cochlear implant providers, early intervention and aural habilitation providers by region of the state (east, middle, west).
State/territory EHDI program list of audiologic diagnostic centers and audiologists skilled in providing pediatric services to infants?	Yes
Number of pediatric audiologists and/or diagnostic centers on the list	There are 50 audiologists who are known to have experience in pediatrics.
Who is responsible for scheduling appointments for outpatient hearing re-screenings?	Primary Care Provider (PCP), Parents or guardians, Hospitals A letter is sent when an infant does not pass the initial hearing screening to the designated primary care physician. Parents and the birth hospital also share the responsibility for scheduling appointments for rescreenings.
Who is responsible for scheduling appointments for diagnostic audiologic evaluations?	Primary Care Provider (PCP), Parents or guardians, Hospitals A letter is sent when an infant does not pass the initial hearing screening to the designated primary care physician. Parents and the birth hospital also share the responsibility for scheduling appointments for rescreenings.

<p>How audiologists report diagnostic audiological evaluation results to the state/territory</p>	<p>80% of audiological evaluations are reported by fax; 20% by paper form.</p> <p>There is no official system in place to ensure audiologists are reporting results (passing or not passing) to primary care providers or back to the initial screening hospitals.</p>
<p>Guidelines and/or protocols for audiologists to report diagnostic audiological evaluation results to the state/territory?</p>	<p>TN does not mandate that audiological evaluations be reported to the EHDI program.</p> <p>TN seeks to obtain audiological evaluation data for only those children who did not pass their hearing screening.</p> <p>The TN EHDI program does receive audiological evaluations for children with risk factors for hearing loss.</p>
<p>One or more persons on the EHDI staff who are responsible for the follow-up of families who need to return for re-screen, diagnostics, or referral to intervention?</p>	<p><i>No information currently available</i></p>
<p>Early Intervention</p>	
<p>Lead agency for the Part C Early Intervention Program</p>	<p>Department of Education Jamie Kilpatrick, Director jamie.kilpatrick@state.tn.us Linda Hartbarger, Part C Coordinator lhartbar@utk.edu</p>
<p>State/territory written guidelines, and/or protocols for providing intervention services for children with hearing loss?</p>	<p>Yes</p> <p><u>TEIS Child Find Notification Protocols for Newborn Hearing Screening Follow-up.</u></p>
<p>Eligibility criteria for Part C services for infants and toddlers with hearing loss</p>	<p><i>No information currently available</i></p>
<p>Eligibility criteria for Part B services for preschool children with hearing loss</p>	<p><i>No information currently available</i></p>
<p>Children with mild or unilateral hearing loss eligible for services under Part C or Part B?</p>	<p><i>No information currently available</i></p>
<p>Other public or private programs(s) and services (other than Part C or Part B) that provide intervention services to children with hearing loss</p>	<p><i>No information currently available</i></p>
<p>Services such as family support,</p>	<p>Yes</p>

<p>transportation to follow-up appointments, parent to parent available to families with children with hearing loss? List.</p>	<p>Parent consultants work to build and strengthen family networks and resources for families of children and youth who are deaf or have hearing related conditions. They promote awareness of early detection, diagnosis and treatment of hearing conditions. They coordinate outreach activities with service providers, hospitals, clinics, and other programs that serve or refer families dealing with hearing loss. Parent consultants work in concert with the Family Voices TN program and the three regional family resource specialists</p>
<p>Program receives information regarding whether or not a referred child is receiving Part C services or other intervention services?</p>	<p>Yes, at the individual child level from Part C and other EI providers.</p>
<p>Intervention programs report other information about children, such as type of intervention, developmental test scores, use of assistive devices?</p>	<p>The TN EHDI program receives some individual level and some aggregate information regarding the type of EI service a child is receiving through Part C and other EI providers.</p>
<p>EHDI Data System</p>	
<p>State/territory written guidelines and/or protocols related to the EHDI tracking system?</p>	<p><i>No information currently available</i></p>
<p>Type of system program uses to track hearing screening and follow-up information. .</p>	<p>TN is part of an integrated state data system. It is a “Home grown” system developed by state personnel using commercial software: Natus Neometrics.</p> <p>The TN program does not obtain birth certificate data for all occurrent births.</p> <p>The TN program does receive individual-level data for ALL hearing screens.</p> <p>Both the hearing screening and metabolic results are entered by the data entry team into a Neometrics Database. “Hearing Screening Only” forms are available to hospitals for babies who are screened or re-screened after the metabolic form is sent to the state.</p>
<p>State EHDI tracking system includes data items to identify infants and children with risk factors for hearing loss?</p>	<p><i>No information currently available</i></p>
<p>Unique identifier is used to identify infants/children in the state/territory EHDI tracking system</p>	<p>Blood spot cards</p>
<p>How program addresses de-duplication of screening and diagnostic evaluation data</p>	<p>The TN program addresses de-duplication of screening data during data entry, software checks for approximate or probabilistic matches.</p> <p>De-duplication of diagnostic evaluation data is addressed during data entry, software checks for exact matches.</p>

	If two records belong to the same individual, or if two records have been combined into a single record, the error can be fixed without re-entering the data.
<p>EHDI system linked to or integrated with any of the following:</p> <ul style="list-style-type: none"> -Blood spot card -EBC -Audiology -Early Intervention -Immunizations -Other 	<p>TN has a blended system (e.g., some EHDI data is part of an integrated state data system, other EHDI data is maintained in a separate data system)</p> <p>Hearing screening results are recorded on the blood spot card and sent to the state EHDI tracking system.</p>
Other EHDI Questions	
State materials/ brochures/ protocols for parents and professionals about the EHDI program. (Link to matrix).	<p>Yes</p> <p>http://www.cdc.gov/ncbddd/ehdi/statesclearinghouse/tennessee.htm</p>
Agencies, foundations, organizations, or other programs that provide funding for the purchase of any of the assistive devices for children with hearing loss	<i>No information currently available</i>
Statewide hearing aid loaner program for infants, toddlers, and children with hearing loss?	<i>No information currently available</i>
Resources, other than those from the state or territory, available to help families with the costs of caring for an infant, toddler, or child with a hearing loss?	<i>No information currently available</i>