



EHD State and Territorial Profiles Hawaii

This profile includes information about a state or territorial EHD program related to general program information, hearing screening, re-screening and diagnostic evaluations, early intervention, and the EHD 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 (EHD) program	Newborn Hearing Screening Program (NHSP).
Contact for the state/territory EHD program.	Louella Christensen, M.S.Ed. Newborn Hearing Screening Program Coordinator Hawaii Department of Health Early Intervention Section 1350 South King Street Suite 200 Honolulu, HI 96814 (808)-594-0042 louella.christensen@doh.hawaii.gov
Legislation regarding newborn hearing screening? If yes, does the legislation mandate or provide funds for newborn hearing screening and follow-up services?	Yes Legislation was passed in 1990 and amended in 2001 It mandates that hearing screening be offered and that screening results are reported to the state EHD program.
State/territory website related to infant/child hearing loss?	Yes http://hawaii.gov/health/family-child-health/eis/nhsp.html
State/territory CDC/EHD Cooperative Agreement related to hearing screening?	No

State/territory have a Maternal and Child Health Bureau Grant related to hearing screening?	Yes Awarded grants, 2000-2008.
Participate in a CDC funded research project?	Yes <u>Completed:</u> 1) <u>Efficacy of Two-Stage (OAE/AABR) Newborn Hearing Screening Protocol</u> 2) <u>Examination of Service History and Developmental Status of Children With Congenital Hearing Loss in Hawai'i</u> http://www.cdc.gov/ncbddd/ehdi/researchcompleted.htm
Hearing Screening Information	
State/territory written guidelines and/or protocols for performing hearing screenings?	Yes 1) For all babies, screen both ears with OAE and/or AABR before hospital discharge. 2) If either ear doesn't pass OAE or a baby is in a NICU over 48 hours, screen both ears with AABR before discharge. 2) If either ear doesn't pass or is missed on the inpatient screen, perform outpatient OAE and/or AABR screening on both ears before 1 month of age. (Exception: Skip step 2 if a baby who did not pass inpatient screening has a differently shaped head, face, neck or ears.) 3) Refer for diagnostic audiological evaluation before 3 months of age if either ear doesn't pass the outpatient screen or if a baby who did not pass inpatient screening has a differently shaped head, face, neck or ears. 4) If a baby passes screening but has conditions that may lead to late onset or progressive hearing loss, refer for monitoring.
Primarily responsible in most hospitals for conducting in-hospital hearing screenings?	Nurses, Technicians, Volunteers, Audiologists, Other Hospitals decide who will conduct hearing screenings. Many hospitals use nurses, while others use technicians, volunteers, or audiologists to conduct the 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 Hearing screening is required by Hawaii state law and is now the standard of care for all infants born.
What happens if a baby does not pass the initial hearing screening(s)?	Re-screen as outpatient
Birthing	Yes

hospitals/facilities/providers required to report hearing screening results to the state?	Results of hearing screenings are required to be reported.
How birthing hospitals/facilities report hearing screening information to the state/territory	100% of individual-level screening results are received by mailed electronic data file. HI*Track software and Excel
Hearing screening results reported to the infant's physician? [If yes, are all results reported or only failed screening?]	Yes Notify all screening results ("Refer" and Pass)
Rescreening and Diagnostic Evaluations	
State/territory written guidelines and/or protocols for performing hearing re-screenings?	Yes Please see screening section.
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?	Yes Guidelines for diagnostic audiologic evaluations are provided to all audiologists
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	12 pediatric audiologists on the list 8 diagnostic centers
Who is responsible for scheduling appointments for outpatient hearing re-screenings?	Hospitals
Who is responsible for scheduling appointments for diagnostic audiologic evaluations?	Primary Care Provider (PCP), Parents or guardians, Department of Health (DOH)
How audiologists report diagnostic audiologic evaluation results to the state/territory	95% of audiological evaluations are reported by paper form; 5% by mailed electronic data.
Guidelines and/or protocols for audiologists to report diagnostic audiologic evaluation results to	HI does not mandate that audiological evaluations be reported to the EHDI program. HI seeks to obtain audiological evaluation data for all occurrent births

the state/territory?	below a given age that obtain an audiological evaluation, including children with risk factors. If the Department of Health sends prior authorization for the evaluation, audiologists are required to submit a copy of evaluation report.
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?	<i>No information currently available</i>
Early Intervention	
Lead agency for the Part C Early Intervention Program	Department of Health Sue Brown, Part C Coordinator susan.brown@doh.hawaii.gov
State/territory written guidelines, and/or protocols for providing intervention services for children with hearing loss?	<i>No information currently available</i>
Eligibility criteria for Part C services for infants and toddlers with hearing loss	<i>No information currently available</i>
Eligibility criteria for Part B services for preschool children with hearing loss	<i>No information currently available</i>
Children with mild or unilateral hearing loss eligible for services under Part C or Part B?	<i>No information currently available</i>
Other public or private programs(s) and services (other than Part C or Part B) that provide intervention services to children with hearing loss	<i>No information currently available</i>
Services such as family support, transportation to follow-up appointments, parent to parent available to families with children with hearing loss? List.	<i>No information currently available</i>
Program receives information regarding whether or not a referred child is receiving Part C services or other intervention services?	Yes. Some at individual child level, some in aggregate form from Part C, but not other EI providers.
Intervention programs report other information about children, such	No

as type of intervention, developmental test scores, use of assistive devices?	
EHDI Data System	
State/territory written guidelines and/or protocols related to the EHDI tracking system?	<p>HI uses a commercial software: HI*TRACK 3.5 Enterprise Edition.</p> <p>The HI program does not obtain birth certificate data for all occurrent births.</p> <p>The HI program does not receive individual-level data for ALL hearing screens – 10% are received as aggregate data.</p>
Type of system program uses to track hearing screening and follow-up information. .	<i>No information currently available</i>
State EHDI tracking system includes data items to identify infants and children with risk factors for hearing loss?	Yes
Unique identifier is used to identify infants/children in the state/territory EHDI tracking system	A number from the HI*Track data system and the infants medical record number are used as unique identifiers.
How program addresses de-duplication of screening and diagnostic evaluation data	<p>De-duplication of screening and diagnostic evaluation data are addressed after data entry, software checks for approximate or probabilistic matches.</p> <p>If two records belong to the same individual, or if two records have been combined into a single record, it is not possible to fix the error without re-entering the data.</p>
<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>Integrated EHDI data system (i.e., the EHDI program has a separate data system from other state programs, but contains all screening, diagnostic, service data in one system.</p> <p>Neither EBC or blood spot card information is incorporated into the 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://hawaii.gov/health/family-child-health/eis/nhsp.html</p>

<p>Agencies, foundations, organizations, or other programs that provide funding for the purchase of any of the assistive devices for children with hearing loss</p>	<p><i>No information currently available</i></p>
<p>Statewide hearing aid loaner program for infants, toddlers, and children with hearing loss?</p>	<p><i>No information currently available</i></p>
<p>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?</p>	<p><i>No information currently available</i></p>