

## EVALUATION

Iowa Early Hearing Detection and Intervention Program  
(Based on Selected National EHDI Goals & Objectives)

#	Performance Indicator	Related National/ State Program Objective	Data Source (*Potential)	Year One Baseline (2005)	Year Two Measurement (2006)	Year Three Measurement (2007)	Year Four Measurement (2008)
1	Number and percent of infants screened before hospital discharge.	State	eSP				
2	Number and percent of birthing hospitals in the state that screen at least 98% of infants before one month of age.	1.1	eSP				
3	Number and percent of infants screened before 1 month of age.	1.1	eSP				
4	Number and percent of infants whose families refuse screening.	1.1	eSP				
5	All birthing facilities will have linguistically appropriate and culturally sensitive brochures or other materials to inform parent(s) or guardians of newborns about the newborn hearing and screening process before the infant is screened.	1.2	*survey				
6	Number and percent of infants in each racial/ethnic group (year two).	1.3	eSP				
7	Percent of infants whose mothers are in each category of level of education (year two).	1.3	*Birth Records				
8	Number and percent of infants born out of hospital.	1.4	Birth Records				

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9	Number and percent of infants born out of the hospital that received a hearing screening before one month of age.	1.4	eSP				
10	Hearing screening results are provided to parents and PCP.	1.6					
11	Number and percent of infants that do not pass the initial inpatient or outpatient screening and are referred for diagnostic audiologic evaluation.	1.7	eSP				
12	Hospitals or EHDI program will have a training plan for all service providers, including screeners (inpatient and outpatient), nurses, and physicians.	1.8					
13	Hospitals will have written hearing screening protocols that include standard policies, procedures for screening, and appropriate forms.	1.9	Site visit/ survey				
14	Number and percent of infants who screened positive and received a comprehensive audiologic evaluation before 3 months of age.	2.1	eSP				

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15	Number and percent of infants with (1) bilateral hearing loss or (2) unilateral hearing loss. (Preferably this will also indicate the number and percent of infants with bilateral hearing loss where both ears (3) have the same diagnosis and (4) have a different diagnosis.	2.1	eSP				
16	Number and percent of infants with (1) conductive hearing loss, (2) sensorineural hearing loss, or (3) mixed hearing loss in one or both ears.	2.1	eSP script				
17	Number and percent of infants with mild, moderate, severe, moderately-severe, or profound hearing loss.	2.1	eSP				
18	Number and percent of infants with unilateral or bilateral auditory neuropathy/auditorydys-synchrony hearing loss.	2.1					
19	Number and percent of infants referred for audiologic evaluation who were lost to follow-up.	2.1	eSP				

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19	Protocols and guidelines are developed and accessible for appropriate diagnostic audiologic evaluation and recommendations for management (e.g., amplification, rehabilitation). These guidelines will be developed with input from state and local audiologists and based on current national guidelines.	2.2					
21	List of diagnostic centers and pediatric audiologists who have experience or expertise in administering diagnostic audiologic evaluations for infants, according to the protocols and guidelines.	2.3					
22	Number and percent of infants with hearing loss who are referred to early intervention services, including counseling and support services.	2.4	EA data system				
23	Education and training plan is developed for audiologists to ensure competency in pediatric evaluation, management, and family counseling.	2.5					
25	Education and training plan is developed for primary care providers, public health nurses, and others on the importance and process of audiologic evaluation.	2.6					

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27	Number and percent of infants with hearing loss who were enrolled in an intervention program before 6 months of age.	3.2	eSP/EA data system				
	Number and percent of infants with hearing loss who were enrolled in an intervention program before 12 months of age.	3.2					
	A policy is in place that will make available to families of children with identified hearing loss, information regarding family support and early intervention services available.	3.2					
	Number and percent of infants who are lost to follow-up after identification.	3.2	eSP				
29	Number and percent of infants with hearing loss enrolled for Part C services with mild hearing loss, moderate hearing loss, moderately-severe hearing loss, severe hearing loss, profound hearing loss, or auditory neuropathy/auditory dys-synchrony.	3.2	eSP/EA database				

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30	Documentation of procedural safeguards regarding the rights of families when choosing a communication mode for their children (year two).	3.4	Dept. of Ed. & IA EHDI Advisory Comm. Case mgmt/ follow-up??				
31	Documentation and on-going review of resource guides that will include: material from a variety of sources; a list of relevant web sites; a list of state contact people. The guide will be available in print as well as on a web site and in major languages used in the state.	3.5					
33	Number and percent of intervention teams that include individuals with professional preparation and experience working with children with hearing loss.	3.6	*Dept. of Education	Not available at this time	Not available at this time	Not available at this time	
34	Documentation of implemented and planned training sessions for Part C or other intervention service providers.	3.7		No	Yes	Yes	

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35	Number and percent of families referred to parent-to-parent support program.	3.9	Iowa Chapter of Hands and Voices database/ GBYS/ Strength in Numbers	0	22 Families, 14 Professionals – Hands & Voices	30 Families, 25 Professionals – Hands & Voices 4 – Guide By Your Side Referrals	
36	Families of children with hearing loss have an opportunity to actively participate in the EHDI system.	3.10	EHDI Advisory Comm. member list	2 Parents 2 Consumers	2 Parents 2 Consumers	2 Parents 2 Consumers	
37	Number and percent of infants with one or more risk factors.	4.1	eSP	Not available at this time – Not all hospitals report risk factors	Not available at this time – Not all hospitals report risk factors	4738 infants or 12% - Based on hospitals that actually report risk factors	
38	Number and percent of infants with risk factors who receive an audiological evaluation before 3 years of age.	4.2	eSP	Not available at this time	Not available at this time	Not available at this time	
	Number/percent of infants/children identified with acquired hearing loss.	4.3	eSP				
39	Number and percent of children (0-3 year with confirmed hearing loss), whose records include the name of the child's primary care provider at the time of hearing loss confirmation.	5.1	eSP	31131 80%	32003 81%	39272 97%	

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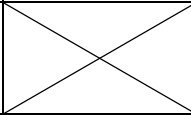
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	Documentation that the results of the child's (0-3 years, with confirmed hearing loss) audiologic evaluation were sent to their primary care provider.	5.1	eSP no guidance?				
	Each medical home will collaborate with early intervention service providers and the family with a child with HL 0-3r to facilitate early intervention services	5.2					
	Resources are developed or adopted that can be shared with the medical homes and families to provide unbiased information.	5.3	Website, family resource guide/other?				
40	Documentation of plan to provide education on the EHDI program to the Medical Home of each infant and child.	5.4	eSP, Best Practices manual/ written correspondence	Yes	Yes	Yes	
	A mechanism is in place for obtaining parent feedback and including parents in the process of development and evaluation processes for the medical home.	5.5	survey				



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41	Documentation of a computerized system that maintains current information on hearing screening for every infant, evaluation for all infants and children who do not pass the screening and interventions for every infant and child from birth through 3 years of age with hearing loss.	6.1		Yes	Yes	Yes	
43	Documentation of current eSP policies and procedures regarding operation.	6.2	eSP user manual	Yes	Yes	Yes	
44	Documentation of policies, procedures, and informed consent requirements regarding privacy and confidentiality of data in eSP.	6.3	Law/ administrative rules Develop policy	Yes	Yes	Yes	
45	Number of live-born infants.	6.4	Vital Records	39275	40592	40988	
46	Number and percent of infants screened.	6.4	eSP	36,972 96% based on entry into eSP	37978 97% based on entry into eSP and eligibility for screening	40243 99% based on entry into eSP and eligibility for screening	
47	Documentation of Number and percent of matches with vital records (year two).	6.4	Vital Records/eSP match log		Not available	39439 97%	
	Number of other data systems linked or integrated with EHDI.	6.5					

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48	Reported number and percent of infants screened that includes: results for each ear, technology used, and age at screening.	6.6	eSP	36,811 96%	38,248 98%	40,570 99%	
	Number of providers that have protocols for reporting hearing screening and/or evaluation and/or intervention results.	6.7					
49	Proportion of health care providers that have protocols for reporting hearing screening and/or evaluation and/or intervention results that are actually reporting these results to the state.	6.7	Hospitals, audiologists, PCPs, ENTs	94	105	123	
50	Written plan to allow case managers and authorized healthcare providers to access relevant information.	6.8	eSP	No	Yes	Yes	
51	The EHDI Advisory Committee will meet routinely to provide guidance on the EHDI system. The committee should include professionals, individuals with hearing loss, families and children who have permanent hearing loss, and others to provide guidance on the development and evaluation of the EHDI system.	7.1		Yes	Yes	Yes	

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53	Program evaluation plan is developed in collaboration with the Advisory Committee to ensure progress towards national and state program goals and objectives.	7.2		Yes – minimal data, need for data analysis	Yes – minimal data, data analysis needed	Yes – more data, need for analysis	
	The EHDI program will obtain feedback from parents on the EHDI process.	7.3	Survey				
	Number of infants and children fitted with implants, by age implantation.	7.4	eSP				
?	Number/percent of mothers in each insurance category	1.3	Vital records?				
?	Number and percent of infants identified with hearing loss referred to medical specialists, such as otolaryngologists, ophthalmologists, and geneticists.	2.4	Case management??				
?	Number and percent of infants with hearing loss who are referred to on-going audiologic evaluations and services.	2.4	How to track?? Remove?				
?	Parents and guardians will be informed in a culturally sensitive and language-appropriate manner about the diagnostic audiologic evaluation process and report.	2.7	Case management??				

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?	Number and percent of infants with hearing loss who received appropriate medical services before 6 months of age from each of the following: (1) a primary care provider, (2) an otolaryngologist, and when appropriate, (3) an ophthalmologist, (4) a geneticists/genetic counselors, and/or (5) other medical specialist.	3.1	Case management??				
?	Number and percent of infants with hearing loss who received appropriate medical services before 12 months of age from each of the following: (1) a primary care provider, (2) an otolaryngologist, and when appropriate, (3) an ophthalmologist, (4) a geneticists/genetic counselors, and/or (5) other medical specialist.	3.1	Case management??				
?	Documentation that confirms that families of children with hearing loss received information on communication and amplification options	3.3	Case management??				

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?	Documentation of plan for management of each infant's/child's assistive technology which include, at a minimum, use of probe microphone measures and recommendations for frequency of evaluation	3.3	Case management??				
?	A high quality early intervention system is available, including those that meet the needs of diverse populations and children with additional disabilities.	3.8					
?	Documented distributions of a resource guide that presents balanced information on communication options.	3.9					
?	Documented test scores for receptive and expressive language communication and social skill development at 6-month intervals.	3.9	DE				
?	Number and percent of infants and children with hearing loss primarily using (1) manual mode of communication, and (2) non-manual mode of communication at 6-month intervals.	7.4	DE				

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?	Number and percent of infants and children achieving communication and social skills scores commensurate with their cognitive abilities age at 1, 3, 5, and 7 years of age.	7.4	DE				