

Early Hearing Detection and Intervention Quality Improvement Project Aims and Measures

Aim Statement

By July 2017, five pediatric offices will make practice-based improvements that lead to enhanced care across the delivery system and strengthen the role of the medical home within the EhDI system. The participating pediatric practices will make improvements so that:

1. 97% or more of all newborns have documentation of the results of their final newborn hearing screening in their medical records by 6 weeks of age
2. 97% of newborns have documentation in their medical record that the results of the newborn hearing screening were discussed with the family no later than 6 weeks of age
3. 97% or more of all newborns identified to have risk factors associated with hearing loss will have documentation of those risk factors in their medical record by 6 weeks of age and will have an individualized care plan by the 4 months of age
4. 100% of children who do not pass their newborn hearing screening have completed an audiological evaluation by 3 months of age and documentation will be in their medical record by 4 months of age

Measures

Process Measures

Measure	Numerator	Denominator	Goal
Screening Results – All	Number of newborn infants with hospital newborn hearing screening results documented in the medical record by 6 weeks of age	Number of newborn infants 6 weeks of age during the reporting period	97%
Outpatient Screening Results	Number of newborn infants who have the results of an outpatient screen documented in their medical record by 6 weeks of age	Number of newborn infants who have been referred for an outpatient hearing screen and are 6 weeks of age during the reporting period	97%
Risk Factors	Number of newborn infants who were documented to have an assessment of risk factors for hearing loss by 6 weeks of age	Number of newborn infants 6 weeks of age during the reporting period	97%
Referral to audiological exam	Number of newborn infants who do not pass their final hearing screen (hospital newborn or outpatient) who have a referral for an audiological exam documented in the medical record by 6 weeks of age	Number of newborn infants who do not pass their final hearing screen (hospital newborn or outpatient) who are 6 weeks of age during the reporting period	100%
Audiological exam conducted	Number of newborn infants who do not pass their final hearing screen (hospital newborn or outpatient) who have receive an audiological exam	Number of newborn infants who do not pass their final hearing screen (hospital newborn or outpatient) who are 4 months of age during the reporting period	100%
Documentation of audiological exam results	Number of newborn infants who do not pass their final hearing screen (hospital newborn or outpatient) who have documentation of the audiological exam results in the medical record by 4 months of age	Number of infants who do not pass their final hearing screen (hospital newborn or outpatient) who are 4 months of age during the reporting period	100%

Outcome Measures

Measure	Numerator	Denominator	Goal
Results Conversation	Number of newborn infants with documentation in their medical record that the results of the final hearing screen (hospital newborn or outpatient) were discussed with the family by 6 weeks of age	Number of newborn infants who are 6 weeks of age during the reporting period	100%
Risk Factors Conversation	Number of newborn infants with documentation in their medical record that the assessment for risk factors for hearing loss were discussed with the family by 6 weeks of age	Number of newborn infants who are 6 weeks of age during the reporting period	100%
Risk Factors Care Plan	Number of newborn infants identified with risk factors for hearing loss with documentation in their medical record of an individualized care plan by 4 months of age	Number of newborn infants with identified risk factors who are 4 months of age during the reporting period	97%
Audiological Exam Completed By 3 Months	Number of newborn infants who do not pass their newborn hearing screen with documentation in their medical record of an audiological exam completed by 3 months of age	Number of newborn infants who do not pass their newborn hearing screen who are 4 months of age during the reporting period	100%
Audiological Results Conversation	Number of newborn infants who do not pass their newborn hearing screen that had the results of the audiological exam discussed with the family by 4 month well child visit	Number of newborn infants who do not pass their newborn hearing screen completing their 4 month well child visit during the reporting period	100%