Primary Care Provider (PCP) Outreach: Enlisting PCPs as Integral Members of the Family Support Team



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Disclosures

Jane Stewart, MD and Jennifer Fleming disclosures

 No financial or nonfinancial relationships relevant to the content of the proposals exist.

Learning Objectives

- Participants will be able to describe the critical role of the PCP in EHDI 1-3-6 (screening by 1 month, diagnosis by 3 months, early intervention by 6 months) goal attainment
- Participants will be able to describe key aspects of our outreach program efforts
- Participants will be able to devise strategies to develop/expand their own PCP outreach program in their individual states

Primary Care Provider Defined

- Identity
 - Medical Doctor (most often)
 - Pediatrician or Family Practitioner
 - Doctor of Osteopathic Medicine (DO)
 - Physician assistant (PA)
 - Nurse practitioner (NP)
- Role
 - Provides coordinated care across wide range of health systems
 - Manages various aspects of patient health
 - Physical
 - Behavioral
 - Developmental/Social Emotional
 - Tracks milestones
 - Makes referrals to specialists
 - Trusted source throughout a child's journey

Primary Care Provider – JCIH Definition

Joint Committee on Infant Hearing (JCIH) guidelines: Role of the Pediatrician/Primary Care Provider

- Monitoring birth hearing screening outcomes
- Ensure follow-up diagnostic evaluation when indicated
- Ensure timely audiologic and medical assessment
- Partner with specialists to facilitate coordinated and comprehensive care for the infant and family (otolaryngologist, audiologist, geneticist/genetics counselor, early interventionist)
- Provide families with hearing, speech and language milestones and for ongoing developmental screening.

The Problem

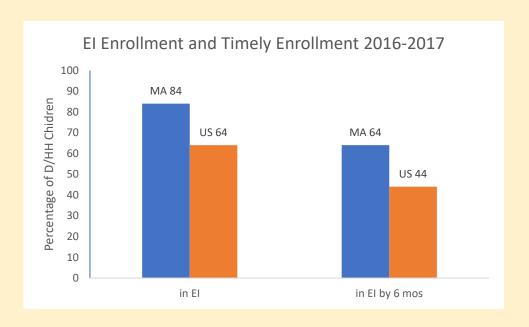
- PCP has pivotal role in achieving 1-3-6
- Hearing loss occurs in only 1-2 per 1000 children
- PCP may not currently have a child with reduced hearing in practice and may need up to date information to be comfortable providing what families need

How Can We Support These Key Team Members in Fulfilling Their 1-3-6 Role?

MA Baseline data EI by 6 months

In Massachusetts, though El incurs no out-of-pocket costs,

- El enrollment rate, though high, could be higher
- Enrollment by six months has been a focus



PCP Outreach Project

- Target PCPs with children newly identified with reduced hearing
- Provide PCPs with material about reduced hearing and its impact on language/child development
- Initially contact letter from EHDI program from parent of a child with reduced hearing
- Phase 2 new letter from DPH/AAP chapter champion
 - Connecticut program successes used as benchmark
 - Data sharing agreement and legal DPH agreement developed

PCP Outreach Project

- Program initiation: June 2018
- Provide patient specific information via fax and mail
- Additional outreach to children outside of 1-3-6 window included
- Follow up directly with PCP and provider team with discretion
- Track outreach and letters sent
- Develop action items for additional outreach as needed
- 254 letters sent to date!

Sample Letter

MARYLOU SUDDERS

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The Commonwealth of Massachusetts Executive Office of Health and Human Services Department of Public Health Tewksbury Office, Saunders Building Tewksbury Hospital, 365 East Street, Tewksbury, MA, 01876 TEL: (978) 851-7261 / FAX: (978) 640-102

CHARLES D. BAKER KARYN E. POLITO

January 4, 2021

John Smith. MD Primary Care Boston, MA Phone: (xxx) xxx-xxxx Fax: (xxx) xxx-xxxx

Our records indicate that Baby Eddie, DOB 11/11/20, was recently diagnosed with permanent unilateral moderate sensorineural hearing loss. As your MA American Academy of Pediatrics (AAP) Early Hearing Detection and Intervention (EHDI) Chapter Champion, I would like to offer you my assistance. First, I would like to provide you with some important updated information that could prove valuable in the growth, learning, and eventual outcome of your patient with any form of hearing loss.



Early diagnosis and intervention, and avoiding language deprivation are crucial to the development of speech, language, cognitive, and psychosocial abilities. The Joint Committee on Infant Hearing (JCIH) guideline is 1-3-6: screening by one month of age, diagnostic testing by three months, and early intervention (EI) services initiated by six months. The key role of EI is to provide an enriched language environment as early as possible to the infant's developing brain and promote optimal early language learning during this sensitive period of development

Infants who have been diagnosed with permanent hearing loss of any degree (including unilateral losses) or with an immediately qualifying diagnosis are eligible for EI services in MA at no cost to the family. In light of these extremely difficult times, telehealth services have been approved and MA EI provider agencies are offering families support utilizing remote technology to provide services. Based on the family's Worcester address, there are several direct referral options. Two options follow:

 South Bay Community Services – Early Childhood, Worcester: 548 Park Avenue, Suite B. Worcester MA 01603. Ph. 774-823-1500 or

 Pernet EIP: 237 Millbury Street, Worcester, MA, O1610. Ph. 508-755-1288 It is important to know that services are available from specialty service providers who have special skills and knowledge around hearing loss. Families may request more than one specialty service provider. These providers can be found on the Universal Newborn Hearing Screening Program (UNHSP) website (http://www.mass.gov/dph/newbornhearingscreening) along with other information and resources. Family TIES also has a family to family matching program in which mentor families are paired with new families to offer support and information https://www.massfamilyties.org/wpcontent/uploads/2019/08/P2P-MATCH-REQUEST-Form-English-Fillable-2019.pdf. Another resource is the Massachusetts Commission for the Deaf and Hard of Hearing (MCDHH)

https://www.mass.gov/service-details/massachusetts-commission-for-the-deaf-and-hard-of-hearingmcdhh. Child specialists are assigned by region and offer individualized support to families.

Language development is dependent on early input to the infant's developing language acquisition center during a critical window. The initiation of language stimulation right away is very important in the long-term development of language and communication. Prompt initiation of amplification, auditory input, and language input (spoken and visual) is associated with improved long-term outcomes. Establishment of EI services is complex and decisions about the best plan for providing an enriched language environment require parent education?. Essential parent information includes support in:

- . Understanding the hearing loss diagnosis and results of their child's hearing diagnostic evaluation.
- · Information on communication development from infancy through childhood
- · Communication choices and language exposure: this refers to all listening, spoken, and visual or signed language or combination thereof. For example, some families planning on a cochlear implant may opt to use multiple modes by initiating the use of sign language prior to receiving the cochlear implant
- · Choices in amplification.

Educational resources and choices?

Additional information, compiled especially for primary care providers, can be found on our website https://www.mass.gov/info-details/universal-newborn-hearing-screening-materials-for-health-careproviders#materials-for-primary-care-providers-

Please feel free to reach out to me with any questions or concerns. I am eager to offer support to optimize outcomes for your patient.

Jane E. Stewart, MD AAP EHDI MA Chapter Champion

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Wesker CJ, Hensh TK. Critical periods in speech perception: new directions. Annu Rev Psychol 2015;66:173-96. Yoshingo-Jiano C. Principles and guidelines for early intervention after confirmation that a child is deaf or hard of hearing. J Deaf Stud Deaf Educ 2014;19:143-75.

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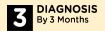
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Key Content Included



- Patient diagnosis
- 1-3-6
- Language development
- Components of parent support
- El direct referral information
- Specialty Service Providers
- Family to Family Support
- Where to go for additional information PCP mass.gov website
- References







Attachment: Visual D/HH Resource Guide



Services for Children who are Deaf and Hard of Hearing

Attachment: Specialty Service Providers

All Infants/Toddlers who are Deaf or Hard of Hearing in MA are eligible for Specialty Services

Specialty Service Providers – higher level of skills, knowledge, trained to work with families of children who are deaf or hard of hearing.

May include:

Teacher of the Deaf (TOD), Speech Language Pathologist (SLP), Parent Infant Programs, playgroups featuring interactions with deaf and hard of hearing peers, and parent groups.

Families can request services from more than one Specialty Service Provider.

Attachment: Bright Futures AAP Tip Sheet

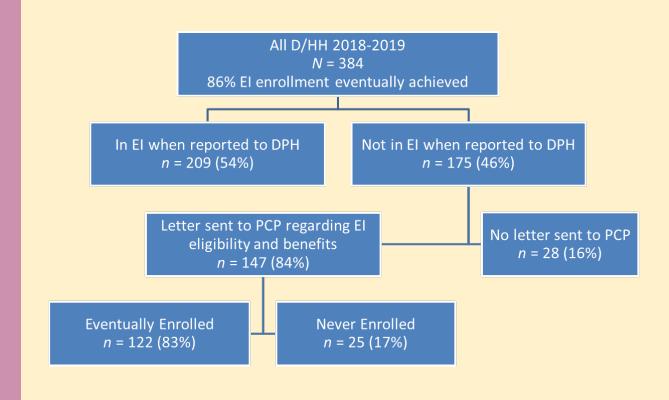
American Academy of Pediatrics (AAP) Implementation Tip Sheet



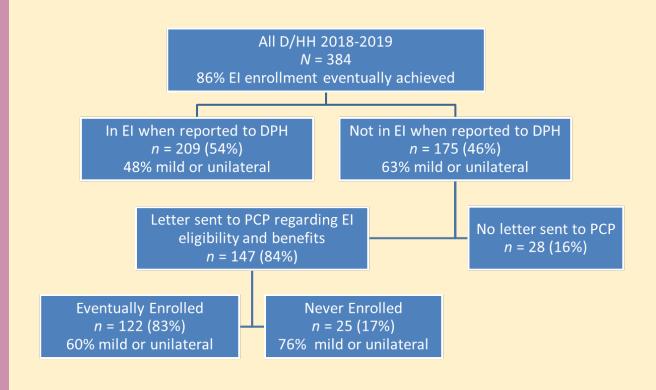
Promoting Early Hearing Detection and Intervention

https://downloads.aap.org/AAP/PDF/BF_EHDI_TipSheet.pdf

Results – EI Enrollment

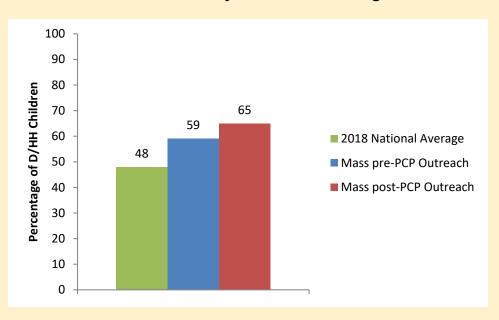


Results – EI Enrollment



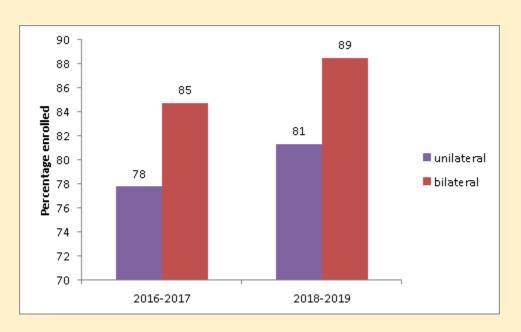
Results – EI Enrollment by 6 months

El Enrollment by 6 months of age



Results – Unilateral vs. Bilateral

Overall EI enrollment for unilateral and bilateral cases



Results -- Summary

- Direct referrals to EI from PCPs increased dramatically
 - These referrals more often result in enrollment
- Nearly ½ of D/HH children were not in EI when HL was reported
- Children not in EI when hearing loss was reported were skewed toward mild and unilateral cases
- 83% of 147 initially un-enrolled children whose PCP received a letter were eventually enrolled in El
- Most children who remained un-enrolled despite PCP contact had mild or unilateral hearing loss, and the reasons for not becoming enrolled were
 - Parental refusal, Lack of follow through
- Timely El enrollment improved
- Unilateral enrollment increased
- Cases with lesser degree of loss EI enrollment improved
- Early outreach more effective

COVID-19 Modifications

- Process in place to update PCPs with up to date information
- Inform providers on EI remote enrollment
- Emails efforts and practice responses
 - Security: Limitation of non-child specific data
 - Unilateral and lesser degree of loss
 - Medically complex children with reduced hearing
 - Access to HIPPA compliant specific provider email limited
- Return to patient linked fax and letter process

PCP Feedback

- I have been in practice for 25 years and I've never had a case like this.
- Thank you so much for sharing all this information.
 This is what I am doing for my patient. What else can I be doing?
- It is good to know that EI services are continuing remotely right now. Thank you!
- The letter from Dr. Stewart really helped me. I had not had any children previously with hearing loss in my practice. This provided exactly the direction I needed. Thank you so much.

Conclusion

After initiation of the PCP Outreach Project, El enrollment of D/HH children identified through the EHDI process approached 90%.

The goal of enrollment by 6 months of age has improved though at 65% still needs improvement.

Future Goals

- Based on program successes to date, continue outreach to PCPs having children with reduced hearing
- Strive for 90% successful EI referral by 6 months
- Obtain feedback from PCPs to help advise on best method of providing up-to-date information to practices.
- Expand outreach to PCP having children with risk factors for reduced hearing
- Develop focused EHDI training module/video specifically for PCPs

Contact Us!

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https://www.mass.gov/info-details/universal-newborn-hearingscreening-materials-for-health-care-providers#materials-for-primarycare-providers-

www.facebook.com/MassNewbornHearingScreening

Thank You!