

the NCHAM

© Book

A Resource Guide
for Early Hearing
Detection &
Intervention (EHDI)

goal To ensure all infants & toddlers with hearing loss are identified as early as possible & provided with timely & appropriate audiological, educational, & medical intervention.

NCHAM
National Center for Hearing
Assessment and Management
Utah State University™

eBook

Acknowledgements

Please feel free to share your impressions of this publication with us. Your feedback will make the 2023 edition even better.

Welcome to the 2022 edition of the NCHAM eBook. This past year was again dominated by the pandemic, politics, and general upheaval. However, the early hearing detection and intervention (EHDI) system continues to advance the state of EHDI services. We are always striving to provide more and better services to infants who are deaf or hard of hearing (D/HH) and their families. As you will read in these pages, dedicated experts are anxious to share their knowledge and experience with those who are unfamiliar with specific aspects of EHDI.

Thanks to our dedicated authors, this publication continues to be the “go-to” reference for those interested in the practice of EHDI. Thanks also to Karl White and the NCHAM staff, as well as the outstanding work of our graphic artist Deb Risk.

Please feel free to share your impressions of this publication with us. Your feedback will make the 2023 edition even better.

Les R. Schmeltz, AuD, Editor

NOTE: Development of this eBook was supported in part by the Maternal and Child Health Bureau under Grant Number U52MC043916.

eBook

Table of Contents

- Section 1-1 to 1-32* **Chapter 1 • The Evolution of EHDI: From Concept to Standard of Care**
Karl R. White, PhD
- Section 2-1 to 2-14* **Chapter 2 • Newborn Hearing Screening**
Randi Winston-Gerson, AuD, CCC-A; & Karen M. Ditty, AuD
- Section 3-1 to 3-18* **Chapter 3 • Tracking, Reporting, & Follow-Up**
Randi Winston-Gerson, AuD, CCC-A; & Jeff Hoffman, MS, CCC-A
- Section 4-1 to 4-14* **Chapter 4 • Utilizing Public Health Partners: Opportunities for Integrating & Improving State EHDI Programs**
Nicole Brown, MSN, PHN, CPNP; Nicole Brys, MPH; & Kirsten R. Coverstone, AuD
- Section 5-1 to 5-16* **Chapter 5 • Audiology 101: An Introduction to Audiology for Nonaudiologists**
Terry Foust, AuD, FAAA, CCC-SLP/A; & Jeff Hoffman, MS, CCC-A
- Section 6-1 to 6-6* **Chapter 6 • Children Who Are Deaf or Hard of Hearing PLUS**
Susan Wiley, PhD; Rachel St. John, MD, FAAP; & Candace Lindow-Davies
- Section 7-1 to 7-14* **Chapter 7 • Hearing Loss & Vestibular Dysfunction: A Common Comorbidity**
Violette Lavender, AuD; Gretchen Mueller, DPT; Michael Castiglione, AuD; & Kathryn Bachmann, PhD

NCHAM GOAL:

To ensure all infants and toddlers with hearing loss are identified as early as possible and provided with timely and appropriate audiological educational, and medical intervention.

- Section 8-1 to 8-6* Chapter 8 • Medical Home & EHDI: The Importance of Appropriate & Timely Screening, Diagnosis, Management, & Follow-Up
American Academy of Pediatrics EHDI Experts & Staff
- Section 9-1 to 9-10* Chapter 9 • Early Childhood Hearing Screening: Not Just for Newborns
Lenore Shisler, MS; & William Eiserman, PhD
- Section 10-1 to 10-8* Chapter 10 • Parent Counseling in the Information Age: The Rules & Roles Have Changed
Les R. Schmeltz, AuD
- Section 11-1 to 11-8* Chapter 11 • Empowering Parents & Providers to Talk About Testing Children Who Are Deaf or Hard of Hearing
Lauren Smith, MEd; & Kaytie E. Cook-Ward, MEd
- Section 12-1 to 12-14* Chapter 12 • Audiologists Connecting Families to the EHDI Process
Karen M. Ditty, AuD
- Section 13-1 to 13-16* Chapter 13 • Digital & Social Media: Using New Tools to Support the EHDI System
K. Todd Houston, PhD, CCC-SP, LSLS Cert. AVT
- Section 14-1 to 14-14* Chapter 14 • Amplification & Hearing Assistive Devices (HAT)
Tricia Dabrowski, AuD
- Section 15-1 to 15-30* Chapter 15 • Cochlear Implants for Children Who Are Deaf or Hard of Hearing
K. Todd Houston, PhD, CCC-SLP, LSLS Cert. AVT; & Tamala S. Bradham, PhD, CCC-A
- Section 16-1 to 16-14* Chapter 16 • Making the World Accessible for Children Who Are Deaf or Hard of Hearing Through Technology
Jim House & Cheri Dowling

- Section 17-1 to 17-12* Chapter 17 • Family Support & Cultural Competence
Janet DesGeorges & Terri Patterson
- Section 18-1 to 18-18* Chapter 18 • Family-Centered Early Intervention Programming for Infants & Toddlers Who Are Deaf or Hard of Hearing
Marilyn Sass-Lehrer, PhD; & Sarah Honigfeld, MA
- Section 19-1 to 19-14* Chapter 19 • Deaf Professionals & Community Involvement with Early Education
Jodee Crace, MA ; Julie Rems-Smario; & Gloria Nathanson, AuD
- Section 20-1 to 20-22* Chapter 20 • Using Telepractice to Improve Outcomes for Children Who Are Deaf or Hard of Hearing & Their Families
K. Todd Houston, PhD, CCC-SLP, LSLS Cert. AVT
- Section 21-1 to 21-12* Chapter 21 • Language Acquisition for the Bilingual Child: A Perspective on Raising Bilingual Children in the U.S.
Lucia Quiñonez Summer, MA
- Section 22-1 to 22-16* Chapter 22 • Secrets for Deaf & Hearing Sibling Success: Giving Them an Early Start for a Lifetime Together
Lisa Jacobs, M.Ed; & Sheila Jacobs, LMFT
- Section 23-1 to 23-20* Chapter 23 • Closing the Gap When Working with Spanish-Speaking Populations
Lucia Quiñonez Summer, MA
- Section 24-1 to 24-8* Chapter 24 • The Role of Educational Audiologists in the EHDI Process
Michael Macione, AuD; Cheryl DeConde Johnson, EdD; & Stephanie Sanders, AuD
- Section 25-1 to 25-10* Chapter 25 • The Foundational Role of Advocacy in the Early Intervention & Education Systems
Janet DesGeorges; & Cheryl DeConde Johnson, EdD
- Section 26-1 to 26-12* Chapter 26 • Bringing It All Together
Faye P. McCollister, EdD, CCC-A

- Section 27-1 to 27-10* **Chapter 27 • Quality Improvement:
Small Changes That Can Make a Big
Difference**
Alyson Ward, MS, IA, CHES; & Amanda Norton, MSW
- Section 28-1 to 28-14* **Chapter 28: Designing &
Implementing a Qualitative Research
Study: The Vermont Early Hearing
Detection & Intervention Example**
Linda Hazard, EdD, CCC-A
- Section 29-1 to 29-14* **Chapter 29 • Marketing EHDI**
Carrie Balian; & Rachel St. John, MD, FAAP
- Section 30-1 to 30-22* **Meet the Editor & Authors**

