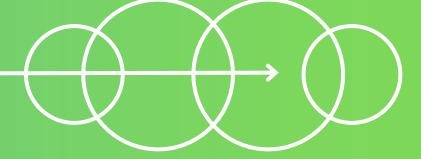


Family-Centered Early Intervention
Deaf/Hard of Hearing
FCEI-DHH

Guiding Values





2013 —



2024

Journal of Deaf Studies and Deaf Education

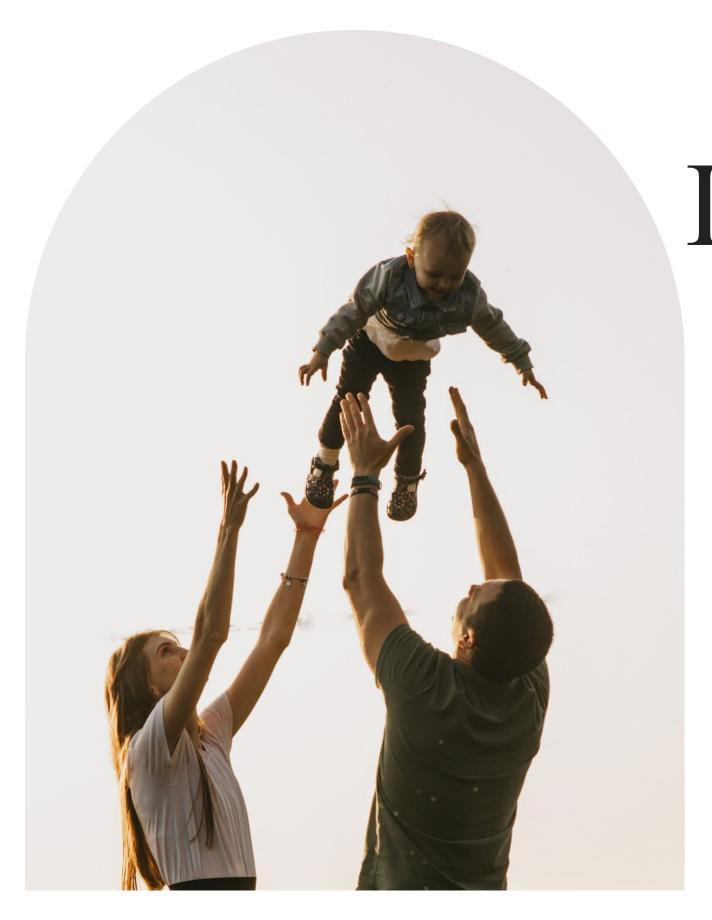
Theory/Review

Best Practices in Family-Centered Early Intervention for Children Who Are Deaf or Hard of Hearing: An International Consensus Statement

Mary Pat Moeller*,1, Gwen Carr², Leeanne Seaver³, Arlene Stredler-Brown⁴, Daniel Holzinger⁵,6



Volume 29, Issue SI February 2024



Introduction

Supporting optimal outcomes for children who are deaf or hard of hearing

Promoting positive family well-being

Advancing and incorporating current understanding to be evidence-informed

Writing Tea



Mary Pat Moeller



Amy Szarkowski



Sheila Moodie



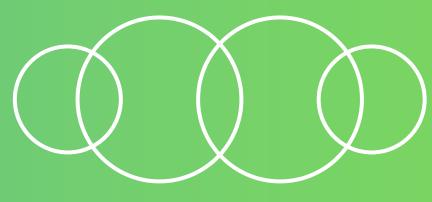
Trudy Smith



Elaine Gale



Bianca Birdsey



FCEI-DHH Special Issue



Journal of Deaf Studies and Deaf Education, 2024, 29, SI8–SI26

https://doi.org/10.1093/deafed/enad038 Theory/Review Manuscript

Family-Centered Early Intervention Deaf/Hard of Hearing (FCEI-DHH): Guiding Values

Mary Pat Moeller 1+, Amy Szarkowski 2,3+, Elaine Gale 4, Trudy Smith 5, Bianca C. Birdsey 6, Sheila T.F. Moodie 7, Gwen Carr 8, Arlene Stredler-Brown, Christine Yoshinaga-Itano 6, FCEI-DHH International Consensus Panel+,

Daniel Holzinger 11,12

FCEI-DHH Special Issue

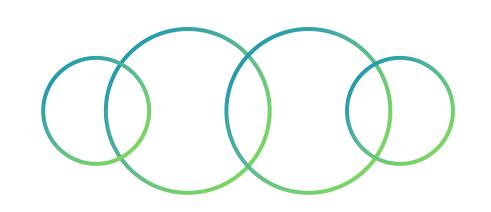




FCEI-DHH Guiding Values







01 — Being Family-Centered

O 2 — Responding to Diversity

O 3 — Involving
Invested Parties

O 4 — Supporting Holistic Child Development

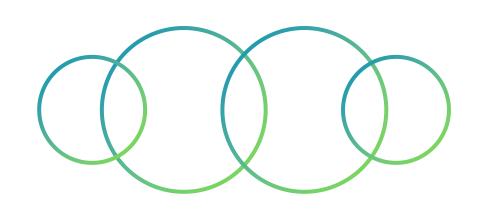
Ensuring

— Fundamental Human

Rights

How is your current work or interactions with EI aligning?





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Ensuring

— Fundamental Human

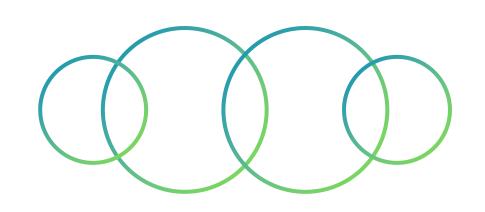
Rights

Being Family-Centered

The family defines who is "family"

Strengths, desires, values, needs

Relationships & self-Efficacy



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RespondingTo Diversity

Diversity in Families & Family Systems

Global Families

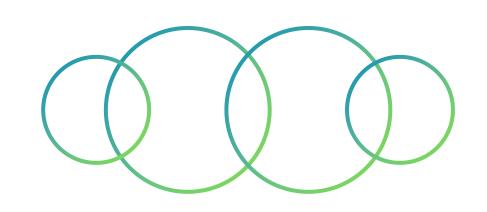


Child & Family Characteristics

Cultural
Perceptions of
Being DHH



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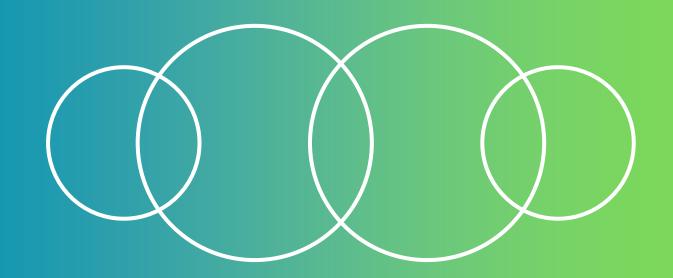
— Fundamental Human

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Involving



Family Leaders



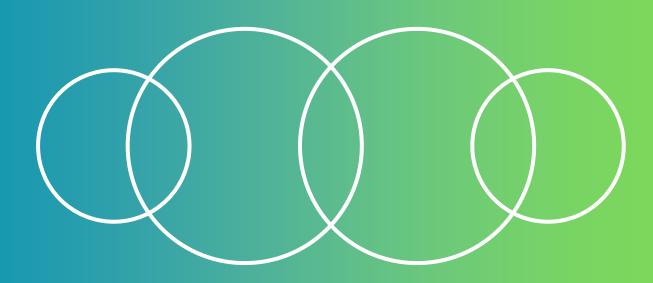
Family -to -Family Support

- Well-being
- Knowledge
- Empowerment
- Coping
- Advocacy
- Accessing resources
- Increasing investment
- "We are not alone"

Involving DHH Leaders

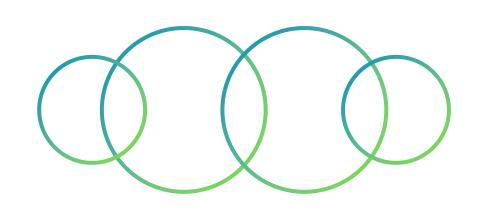
DEAF LEADERSHIP
INTERNATIONAL ALLIANCE
'MEET DEAF ADULTS' VIDEO PROJECT





DHH Adult -to-Family Support

- · 'What it means to be DHH'
- Increase sense of competence in family
- Diversity of experiences
- Positive perceptions of being DHH
- Support child development
- Emphasize visual info
- Variety of roles



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Rights

Supporting

Holistic Child Development

Approaches to Learning Social-Emotional

Compromise, sharing, cooperation & acceptance of others

Recognizing, expressing, managing emotions

Understanding of social context

Language & Lit.

Use of language for

diverse purposes

(verbs, question words)

Parent-child interaction lays foundation (turntaking, responsiveness)

Social communication

Cognitive

Explore environment

Multiple uses of objects, cognitive flexibility

Play

Cognitive, emotional & behavioral self-regulation Shift attention/Executive

Function

Joint attention & contingent lang (If ____, then____; First ____, next ___)

Table 1. Domains of development and holistic early intervention for children who are DHH.

2019)

Watson, 2017)

Implications particularly relevant for young children who are DHH Domains of (Note that many of these apply to children with typical hearing as well) development Learn through observation and exploration of their environments, including understanding cause-effect hands-on Approaches to exploration (Waismeyer & Meltzoff, 2017) learning · Benefit from playful interactions, which provide a rich context for learning language, social skills, an ots through discovery, problem-solving, and joyful exchanges (Slot et al., 2017) · Benefit from following the gaze of caregivers and building "referential meaning" which may have implications for social-cognitive development (Brooks et al., 2020) Social and · Benefit from exposure to others' demonstration and explanation of emotions (made understandable to the child) to both emotional. build understanding of emotions and possibly foster empathy (Tsou et al., 2021) development · Need opportunities to build communication abilities to express own thoughts and emotions, and to understand others' thoughts and emotions (Netten et al., 2015) Need regular access to language/communication and social experiences or they may be at-risk for having difficulty understanding and navigating emotional experiences (Sidera et al., 2017) · Benefit from explicit instruction related to emotion words/signs to enhance their ability to convey their feelings, wants, and needs (Sidera et al., 2017) Benefit from others' discussing how they control themselves to bolster self-regulation skills (Lind-Combs & Holt, 2022) · Benefit from learning to use signs as infants to help with emotional regulation (whether they will use signs or spoken language, or both, as they grow; Karsten et al., 2017; Spencer & Koester, 2016) · Learn about caregivers' emotional availability through caregiver use of touch; touch can serve many purposes, including helping children who are DHH to understand and regulate emotions (Paradis & Koester, 2015) · Benefit from family members' actions to draw child's attention to communication and to important information in the Language and environment, including tactile strategies (such as touching to gain attention or placing objects on the child's skin; Beatrijs et al., literacy

• Benefit from having family members read and share books in ways that can promote DHH infants' early literacy (Brown &

Supporting

Perceptual Development

Motor & Physical

Auditory

Visual

Vestibular

Some etiologies have implications for motor development

Importance of consistency of use for those who benefit & desire to use hearing technologies

Influence of

exposure/access

auditory

DHH infants do not have "better vision" but do process visual information differently

Sensitivity to visual cues – signed languages & gestures

Balance, posture, muscle tone

Head control, visual tracking, bilateral coordination

Visual-motor integration influences language dev (signed & spoken)

Motor and physical development benenic non opportunite to just plaj una enpiore unen monde (bronn et madein, ber)

- Benefit from monitoring of motor development; children who are DHH are not necessarily at greater risk of experiencing different or delayed motor development, although some may have etiologies or conditions that impact physical and motor functioning (Veiskarami & Roozbahani, 2020)
- Benefit from encouragement to use their motor abilities; physical activity can promote postural control and strength (Veiskarami & Roozbahani, 2020)
- Benefit from promoting fine motor development, shown to be a predictor of spoken and signed language performance (Guan & Smolen, 2022)

Auditory development

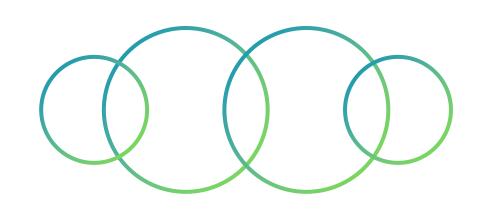
- Benefit from reduction of ambient noise in the environment (e.g., remote micro)
 talker, quieting noise sources). Noisy environments make it more difficult to least environment (McCreery et al., 2015)
- Benefit from family education about providing optimal listening environments and opponies, whereas children benefit when these learned strategies are implemented with regularity (Suskind et al., 2016)
- Benefit from consistent access to multimodal cues, such as the visual aspects of speech and/or through the use of gesture and signed language (Esteve-Gibert & Guellaï, 2018)

Visual development

- Benefit from visual input to make sense of their world; do not have superior visual abilities, per se, although they often look at
 objects longer than children with typical hearing (Monroy et al., 2019)
- Benefit from jointly focusing visual attention on objects of interest to the child who is DHH and their caregivers (Lieberman et 2014)
- from on-going visual screenings during childhood and monitoring of visual tracking, as well as use of vision to the environment (Wiley et al., 2016)

Vestibular development

- Be monitoring of vestibular development (e.g., posture, stance, gait, and coordination), as children who are DHH are length and risk of vestibular dysfunction (Nandi & Luxon, 2008); some etiologies that contribute to a child being DHH are lectly influence the vestibular system (Maudoux et al., 2022)
- May be an cted by even mild alterations in vestibular development in areas such as motor planning, motor coordination, and motor-speech abilities, which can have implications for children who are DHH, both with respect to how they move in space, and the development of their communication abilities whether they sign and/or speak (Inoue et al., 2013)
- May have vestibular dysfunction that manifests as imbalance, delayed attainment of or deterioration in demonstrating locomotor skills, and episodes of dizziness or vertigo (Inoue et al., 2013; Singh et al., 2021)
- Benefit from support from Occupational Therapists and Physical Therapists when these challenges arise (Maudoux et al., 2022)



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Ensuring
Fundamental Human
Rights

HUMAN RIGHTS





International Treaties







Global Resources

Promoting Common Language & Understanding



Contextualizing
FCEI-DHH as a
fundamental
human right

Commit to Incorporating FCEI-DHH Guiding Values

In our collective work







