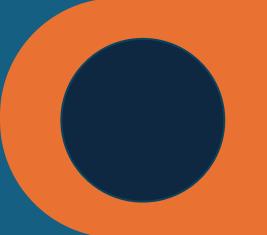
EHDI 2025-Managing conductive hearing loss in the EHDI world



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Disclaimers

Jess

- Salary from St. Luke's Health System and Idaho State University
- Member of Idaho Sound Beginnings Advisory Board
- 2 Ears 2 Learn Board Member
- No financial disclaimer related to this presentation

Gabe

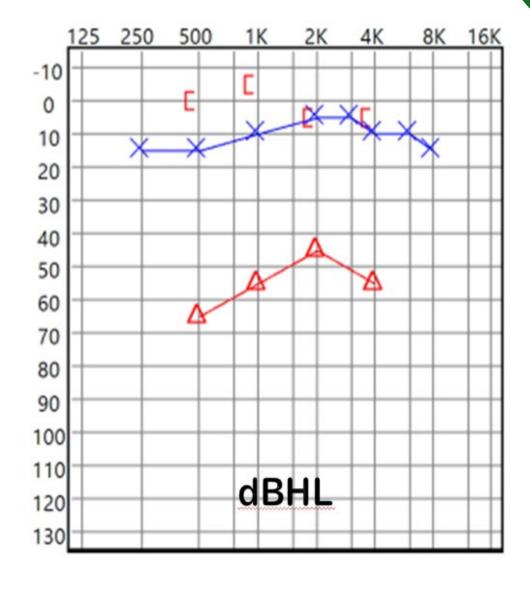
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Learner Objectives

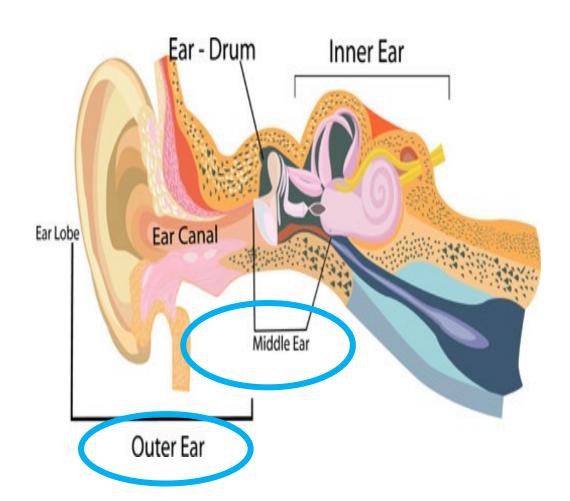
- Discuss potential challenges of conductive hearing loss diagnosis for infant population.
- Discuss potential barriers to achieving the 1-3-6 goals with infants who are diagnosed with conductive hearing loss.
- Discuss potential solutions to these barriers and how to help families achieve intervention by 6 months of age.

Conductive hearing loss









Causes of conductive hearing loss

- Otitis Media
- Eustachian tube dysfunction
- Perforated tympanic membranes
 - Cholesteatomas
 - Cerumen impactions
 - Foreign bodies
 - Congenital abnormalities



What are challenges with managing conductive hearing loss?



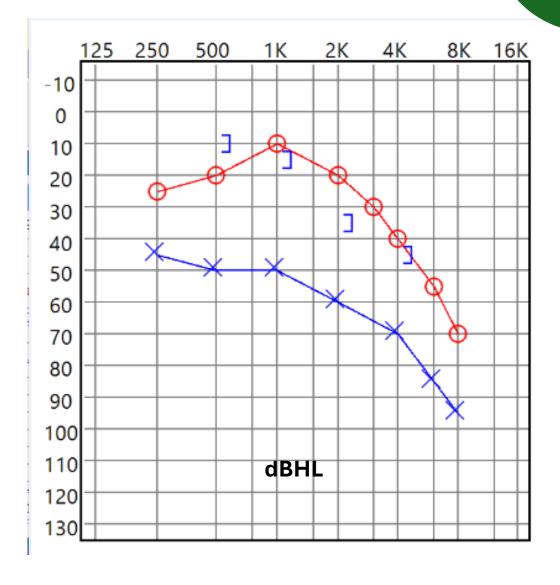
CDC 2022- Hearing loss in children

August 2024

		Total Number of Reported Infants who are D/HH, 2022 CDC EHDI HSFS							6,272 Children
		BILATERAL (by Ear)				UNILATERAL (by Ear)			LATERALITY
		RIGHT EAR	LEFT EAR	UNKNOWN EAR (level of reduced hearing for <u>each</u> ear)		RIGHT EAR	LEFT EAR	UNKNOWN EAR	UNKNOWN (i.e., unknown if case is a unilateral or bilateral)
Sensorineural	Slight	44	39	0	0	8	8	0	0
	Mild	566	559	2	2	82	96	0	2
	Moderate	573	567	1	1	82	91	0	3
	Moderately Severe	293	292	0	0	40	56	0	0
	Severe	237	259	0	0	73	73	0	1
	Profound	567	557	0	_ ^	1/11	148	0	1
	Unknown Severity	ეგ	54	0	0	6	11	0	0
Conductive	Slight	6	7	0	0	2	0	0	0
	Mild	69	56	0	0	38	14	0	0
	Moderate	65	76	0	0	98	39	0	1
	Moderately Severe	72	73	0	0	163	107	0	0
	Severe	31	29	0	0	44	17	0	2
	Unknown Severity	48	44	0	0	63	51	0	2
Mixed	Slight	1	2	0	0	2	1	0	0
	Mild	39	42	0	0	7	4	0	0
	Moderate	81	93	0	0	27	25	0	0
	Moderately Severe	83	73	0	0	24	22	0	0
	Severe	57	53	0	0	16	18	0	0
	Profound	42	50	0	0	9	8	0	0
	Unknown Severity	21	12	0	0	6	4	0	0

https://www.cdc.gov/ncbddd/hearingloss/2022-data/documents/12_2022_HSFS_Type-and-Severity.pdf

Mixed hearing loss



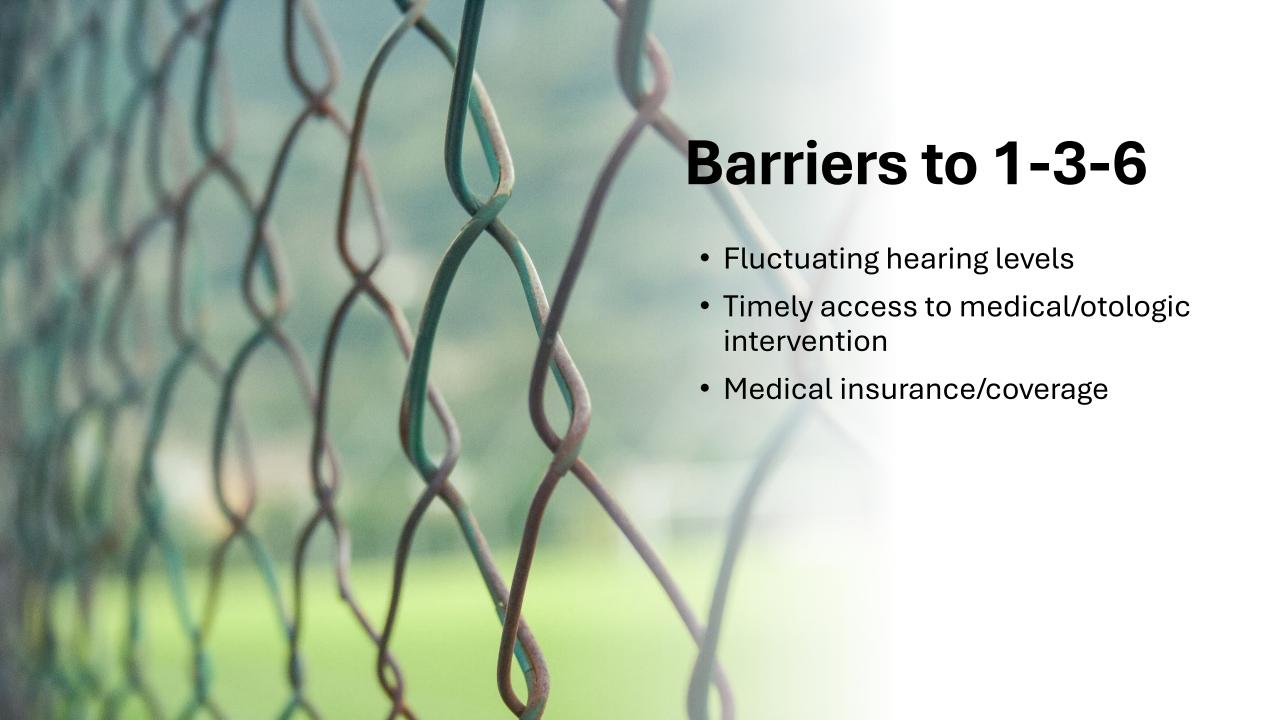
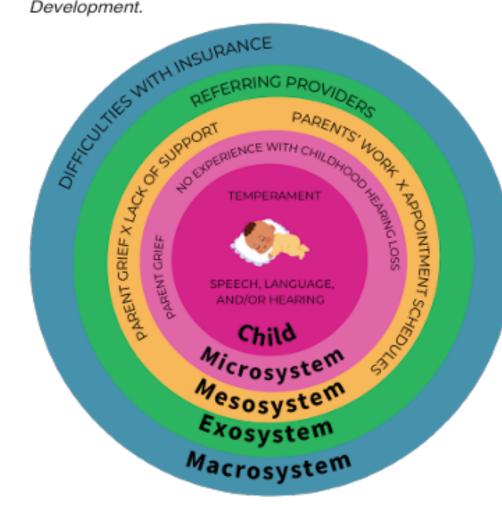


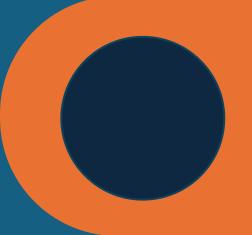
Figure 1

Barriers to On-Time Enrollment in Early Intervention by System of the Bioecological Model of Human Development.



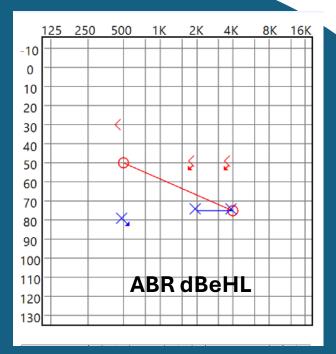
Note. This figure is based on the description of nested systems in Bronfenbrenner and Morris (2006).

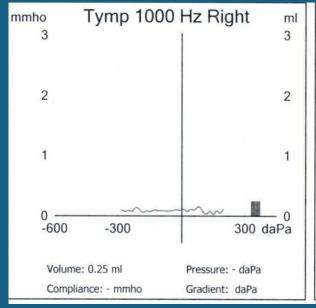
Possible solutions

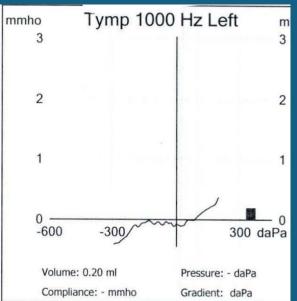


Case: B.S.

- Missed UNHS
- Audiology clinic at 1.5 months old
- Adoptive- Fam Hx hearing loss reported







Working as a team

- Family
- Medical home
- Pediatric Otolaryngologist
- Pediatric Audiologist

Keys to facilitate healthy working relationship between audiologists and otolaryngologists:

- Effective communications
- Optimize workflows
- Educational opportunities

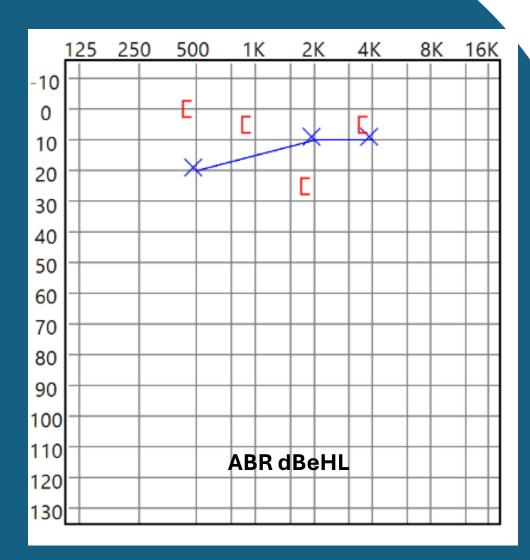
Bassett, A. (May 2021). Exploring the Interdisciplinary Relationship Between Otolaryngology and Audiology. Audiology Today, Volume 33, Number 3

Our team

- Great communication
 - Electronic medical records
 - Phone calls/emails
- Coordinate appointments (ENT/Audiology)
 - Clinic appointments
 - Sedation appointments
- Hearing loss clinic
- Clinical education

Case: I.G.

- 1 month old, referred from hospital UNHS
- Aural atresia/Microtia



Bone conduction devices with softbands for infants & young children

Loaner device programs

- Cochlear Corp
- Oticon Medical



https://www.oticonmedical.com/us/solutions/bone-conduction/ponto-for-children



https://www.cochlear.com/us/en/home/products-and-accessories/cochlear-baha-start

Bone conduction devices with softbands for infants & young children

Device assistance programs

- https://earcommunity.org/
- https://2ears2learn.org/





Traditional hearing aids assistance programs

Loaner Hearing Aid programs

- Oticon Pediatric loaner bank program
- Loaner bank programs in certain states

https://www.infanthearing.org/HA-loaner/

Clinic loaner bank



Traditional hearing aids assistance programs

Grants options for Hearing Aids

 UnitedHealthcare Children's Foundation

https://www.uhccf.org/

HIKE Fund

https://thehikefund.org/





Our team

- Paperwork ready to go for families
- Audiology assistant working on insurance requests



Questions

Reference

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Thank you

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