

The Educational Diagnostician's role in dual disability identification: D/HH and AU

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Facts

Autism: 1 in 59 children has been identified with autism spectrum disorder according to estimates from CDC's Autism and Developmental Disabilities Monitoring (ADDM) Network.

Deaf/Hard of Hearing Hearing loss occurs in 5 out of every 1,000 newborns. Approximately 3 million children in the U.S. have a hearing loss; 1.3 million of them are under the age of three

Know the signs:
Characteristics of autism in children that are D/HH

- ---

Resists being held or cuddled
- ---

Doesn't respond to name when tapped or when attention is shared
- ---

Has difficulty engaging in shared attention. Minimal response to social overtures from others
- ---

Has difficulty imitating facial expressions and actions
- ---

Makes limited use of eye contact even though it is needed for communication
- ---

Has difficulty understanding others' needs and feelings

Know the signs:
Characteristics
of autism in
children that
are D/HH
cont.....

- Has an unusual reaction to the environment that cannot be attributed to hearing loss
- Language development is below average of same age peers, signing skills develop slower
- Has difficulty understanding language even when simplified
- Social play is rigid, unimaginative, restricted
- Stereotypic movements
- Difficulty interacting with other D/HH peers if in a deaf education program
- Resists changes in routines

What is your role

- Participate in the assessment- you can't do the entire evaluation, but you will need to be part of all areas of testing: I.e. Part A B C, speech, psychological, IQ, play based testing, achievement.....
- Notice to Release Confidential Information forms need to be obtained for agencies that work with the child; I.e. audiologist, private therapy providers, day care workers, doctors
- Be direct with the parents. Let them know what eligibilities you suspect.

Step 1: Audiologist

Meet with the audiologist. Is the behavior in question because of the type of hearing loss? Mild, Moderate, Severe, Profound..... Bilateral or Unilateral.... Type of amplification used..... date of amplification (what is the hearing age)

Are the observed behaviors a result of the child not having amplification and the need to communicate

D/HH Screener Examples

Children's Auditory Performance Scale (CHAPS)

Screening Instrument for Targeting Educational Risk (S.I.F.T.E.R)

https://www.phonak.com/content/dam/phonak-pro/gc/hq/en/resources/counseling_tools/03comments/child_hearing_assessment_childrens_auditory_performance_scale_chaps_2017.pdf

<https://successforkidswithhearingloss.com/wp-content/uploads/2017/09/SIFTER.pdf>

Step 4: How do you contribute to the Speech & Language Assessment

Sit in on the assessments and look for red flags

• Utterances are not fluent, and the child often jumps from one sign to another rapidly without taking time to process thoughts. Presenting with repetitions during signified utterances.

• Listening and Expression scores are in the < 20%ile

• Not using the correct signs but instead using gestures/classifier. Example 1: picture of two girls fighting over a teddy bear. **maid** my pull push brook pull fall brook maid maid girl girl two maid maid maid chase eyes open open **maid** pull "not yours mine" maid 2. picture of a boy holding up a shirt with a hole in the center. **gesture** break clothes break up maid **gesture** in circle sign (gesture) see man hold break (gesture) maid see girl break all in at glass break hold

• Pragmatic Language Scores are low

Speech & Language tests

- Oral and Written Language Scales
- Language Sample
- Bracken Basic Concept Scale Revised
- Carolina Picture Vocabulary Test ***
- ROWPVT and EOWPVT
- Pragmatics Language Skills Inventory
- Test of Pragmatic Language, Second Edition
- PLS-5
- Peabody Picture Vocabulary test

Things to consider

Are their language levels different for the degrees of hearing loss?

AI teacher interview: I believe language levels would be different. The mild loss might have greater access to spoken language or the hearing loss might be more easily/accurately addressed with amplification/hearing devices. Also, because their loss is less to begin with, they might have more language to start off with and build on, and maybe also have better coping skills for accessing language the way they need. The profoundly deaf child might need more services or support to develop language which might take longer than for an age-peer with a lesser hearing loss.

AI teacher interview: I definitely believe kids act differently at different levels of hearing loss. The child learns to compensate as much or as little as they need to for the lack of hearing, and this compensation will vary depending on how much they lack. Theresa Cota, AI teacher, Sagor Land

Step 5: How do you contribute to the Emotional Behavior Assessment

- Sit in on the assessment. Interpret if necessary or allow a comfortable staff member to stay in the room
- Help the LSSP score the testing. Include your information from the D/HH screeners. Review possible autism red flags for children who have a hearing loss. Is the behavior observed typical of an AI kid?
- Share the self-advocacy interview the student completed. Are student concerns related to hearing loss or autism
- Karen L. Anderson - Social Communication Child Role Play Measure

Emotional Behavior tests

- Child Self-Report Projection Inventory (CSRPI)
- House Tree Person (HTP)
- Gilliam Autism Rating Scale, 3rd edition
- Autism Spectrum Rating Scales (ASRS)
- Behavior Assessment System for Children, 3rd edition
- Childhood Autism Rating Scale, Second Edition (CARS-2)
- Questionnaire for Parents or Caregivers (CAR-QPC)
- Behavior Rating Inventory of Executive Function
- Conner's Continuous Performance Test

Things to consider

Do different levels of hearing have the same eye contact?

All teacher interviews: No, because a child with mild hearing loss would be more aware of someone speaking to them than a child with profound loss. So they'd know to look at the speaker more consistently than that profound hearing loss child. Conversely, it could work the other way, with the mild hearing loss being noticeable enough so that they can hear to not feel the need for eye contact while listening, while the more severe loss would feel like they need to be looking at the speaker more to be able to understand. Either way we are built with an intrinsic need to communicate with others. Even if Non-Verbal the child would point, pull, gesture.

Case Study: RM

- Mild hearing loss in the left ear and normal hearing in the right ear. Does not wear amplification
- H.S. English
- No ECI and has been in general education with 504 accommodations
- Language: Behavioral observations and formal testing indicate receptive and expressive communication delay, pragmatic language weaknesses and an articulation disorder. Also of concern was establishment and maintenance of eye contact, using speech for a variety of pragmatic functions and emotional regulation including appropriate communication of emotions
- Behavior: struggles with completing tasks, disruptive, limited to no social interactions with peers, teacher states "he seems distant" during class, requires behavior support during the school day in increase compliance, obsessed with Legos, memorizes driving directions and does not want them to change or eye contact, does not like being touched, fearful of new situations, sings nursery rhymes over and over. ASRS scales very elevated, CARS 2 total score 53 severe range
- IQ: Full Scale IQ 88 WPPSI-IV
- Achievement: Limited growth in academics due to behavior

Case Study: BO

- Profound hearing loss bilaterally and wears hearing aids at school only
- H.S. American Sign Language (both parents profoundly deaf)
- ECI since age 1 and has been in a Total Communication program from PPK 3rd grade
- Language: Uses 1-2 words to communicate in sign (only nouns and verbs), signs are repetitive, severe delay receptive/expressive language and vocabulary skills. A comparison to previous vocabulary testing indicates limited to no progress with single word vocabulary skills over the past three years, below average pragmatic skills in social interaction
- Behavior: poor eye contact, does not respect others personal space, non-compliant, did not come in pants at school and home and is not bothered by it, fixated with Legos, shows minimal or no response when others attempt to interact with him. ASRS scores not reported but indicated scales were elevated. IAR-3 Probable DSM-5 Severity Level for ASD: probable to very likely
- IQ: Non-verbal Full Scale IQ 104, Memory SS 87, Processing Speed SS 86 Letter-3. Adaptive behavior scores are all in the Extremely Low range
- Academics: Kindergarten level, limited growth
