

1-3-6 Enhancement through Services at Schools for the Deaf



March 20, 2018
National EHDI Conference
Denver, CO

Agenda

- Deaf Education Program Survey
- MSD Diagnostic Centers
- Statistics
- Family Feedback
- Future Planning





Jennifer Mertes, AuD

Maryland School for the Deaf -
Columbia Campus

Michelle Bode, AuD

Maryland School for the Deaf -
Frederick Campus





CUMBERLAND

HAGERSTOWN

WESTMINSTER

ELKTON

MARYLAND

TOWSON

FREDERICK

BALTIMORE

★ COLUMBIA

CHESTERTOWN

ROCKVILLE

SILVER SPRING

COLLEGE PARK

ANNAPOLIS

LEESBURG

FAIRFAX

★ ALEXANDRIA

EASTON

NORTHERN VIRGINIA

SPRINGFIELD

WALDORF

CAMBRIDGE

MANASSAS

LA PLATA

OCEAN CITY

FREDERICKSBURG

LORINGTON PARK

SALISBURY

DELAWARE

DC

1-3-6 Model: National EHDI Goal

Screen by 1 Month of age

Confirm hearing status by 3 Months of age

Enrollment in Early Intervention by 6 Months of age if identified with a permanent hearing status that could affect language acquisition

Audiology: Screening vs. Diagnostic

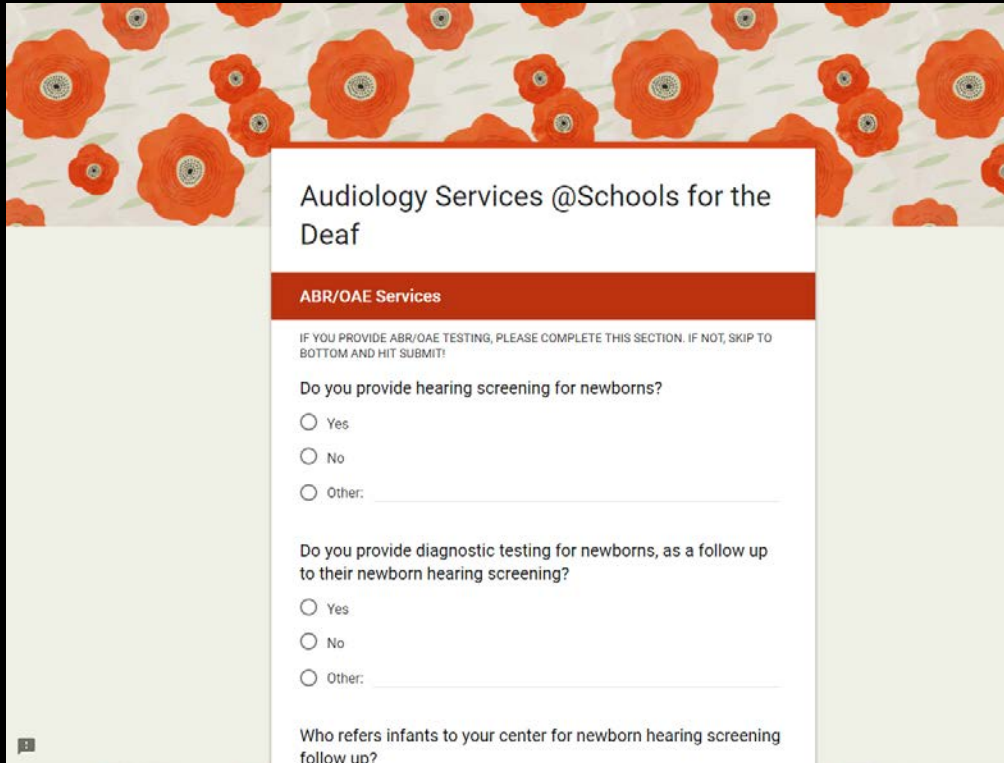
Level 1: Initial Hearing Screening

Level 2: Outpatient Screening

Level 3: Diagnostic Testing

At MSD, we do all 3!

Survey - Deaf Education programs in the US



Audiology Services @Schools for the Deaf

ABR/OAE Services

IF YOU PROVIDE ABR/OAE TESTING, PLEASE COMPLETE THIS SECTION. IF NOT, SKIP TO BOTTOM AND HIT SUBMIT!

Do you provide hearing screening for newborns?

Yes

No

Other: _____

Do you provide diagnostic testing for newborns, as a follow up to their newborn hearing screening?

Yes

No

Other: _____

Who refers infants to your center for newborn hearing screening follow up?

Survey: Deaf Education Programs

- 99 Schools surveyed
 - 76 replied to survey (Response Rate 77%)
 - 56 employ an Audiologist
 - 16 do not have an Audiologist on staff
 - 4 audiology positions vacant
 - 23 programs did not participate

Survey: Deaf Education Programs

- Number of schools that provide diagnostic ABR services
 - 6 Schools for the Deaf
 - 3 Private Programs
- How many per month seen
 - Ranges from 1-25 babies seen
- How many identified D/HOH
 - 5-10% at most schools
 - @30% at MSD







Diagnostic
Audiology Centers
established at MSD



MSD Diagnostic Audiology Centers

- Grant funding 2014
- Training
- Marketing
- Launched in 2015
- Purpose/Goals



FY2014 Systems Development Grant: HRSA - Health Resources & Services Administration

Memorandum of Understanding was established between the Maryland Department of Health and the Maryland School for the Deaf (MSD)

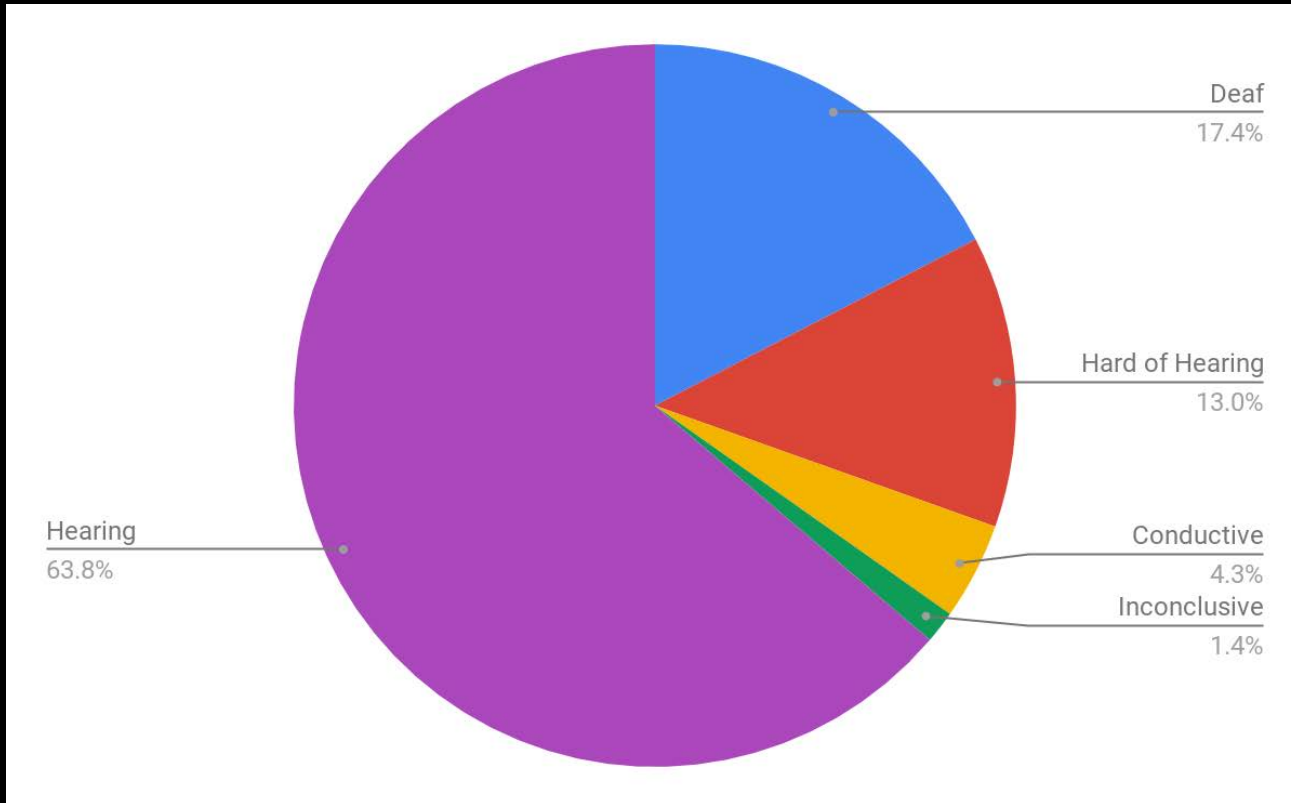
Goal 1: To alleviate geographic and affordability barriers to early and continuous diagnostic audiology testing by providing this testing at two community-based centers to Maryland infants

Goal 2: Increase capacity of Maryland School for the Deaf to support development of student language and communication abilities by providing loaner hearing aids

MSD Diagnostic Services Statistics

- Total # babies seen = 138
- Total # of appointments = 161
- Identification = 42 babies D/HOH (31%)
- 60 babies had reported risk factors
 - 37 had D/HOH family members
 - 23 had other risk factors (CHARGE, Downs Syndrome, Prematurity, etc)
- MSD enrollment = 28

Results of 138 children seen at MSD



Reported Statistics

- MD EHDI: @80-100 babies identified D/HOH each year
- Maryland School for the Deaf statistics:
 - 2015 = 14 babies identified
 - Average age at testing = 11.24 weeks
 - 2016 = 15 babies identified
 - Average age at testing = 10.49 weeks
 - 2017 = 14 babies identified
 - Average age at testing = **8.72 weeks!!**

Follow-up after Identification

Informational Counseling

Deaf parents, baby hearing

Deaf parents, baby D/HOH

Hearing parents, baby hearing

Hearing parents, baby D/HOH

Services and Supports on-site

Hearing aid services

Behavioral audiology testing

Parent support group

Multidisciplinary team



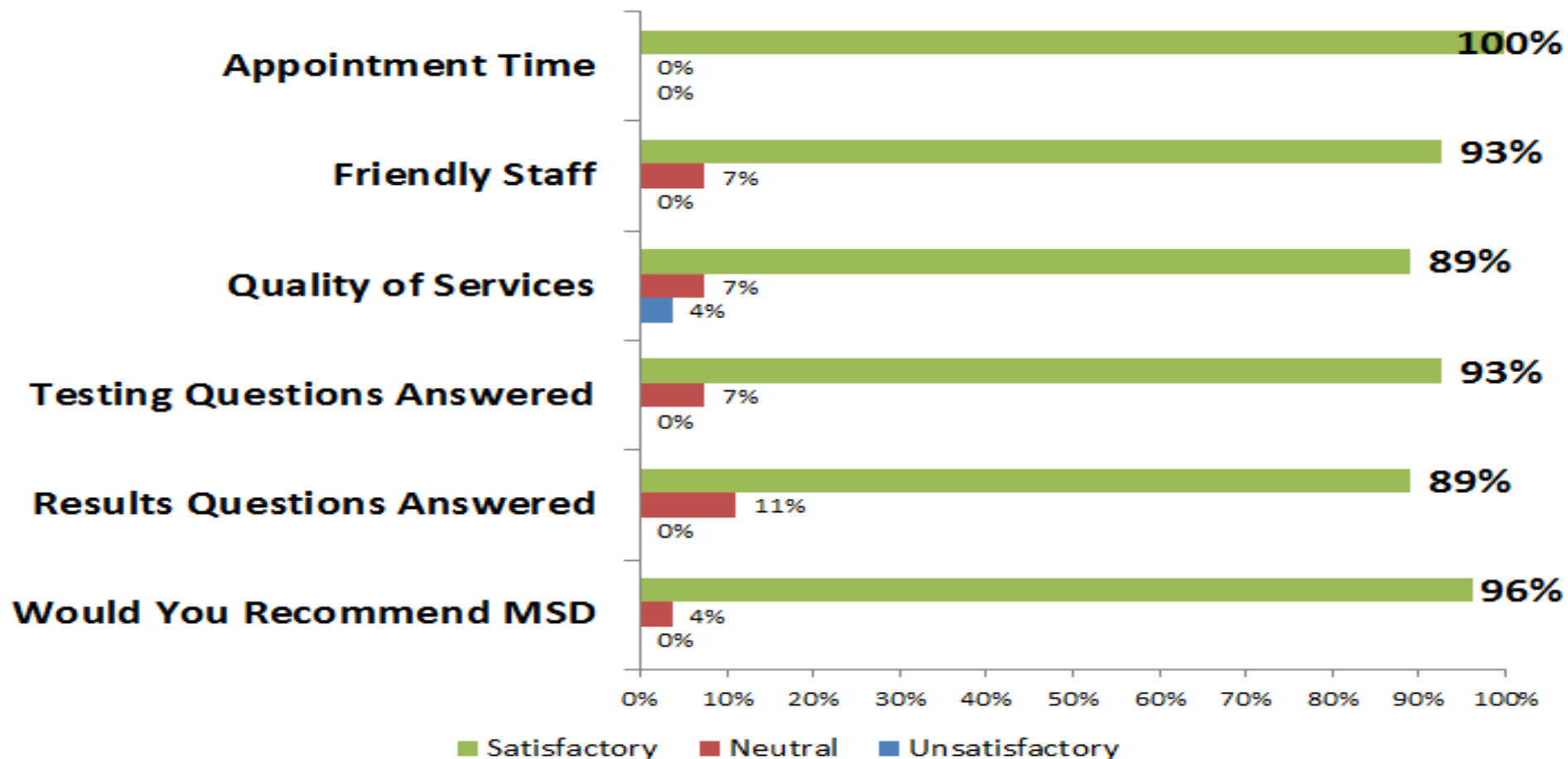




Family Feedback Survey

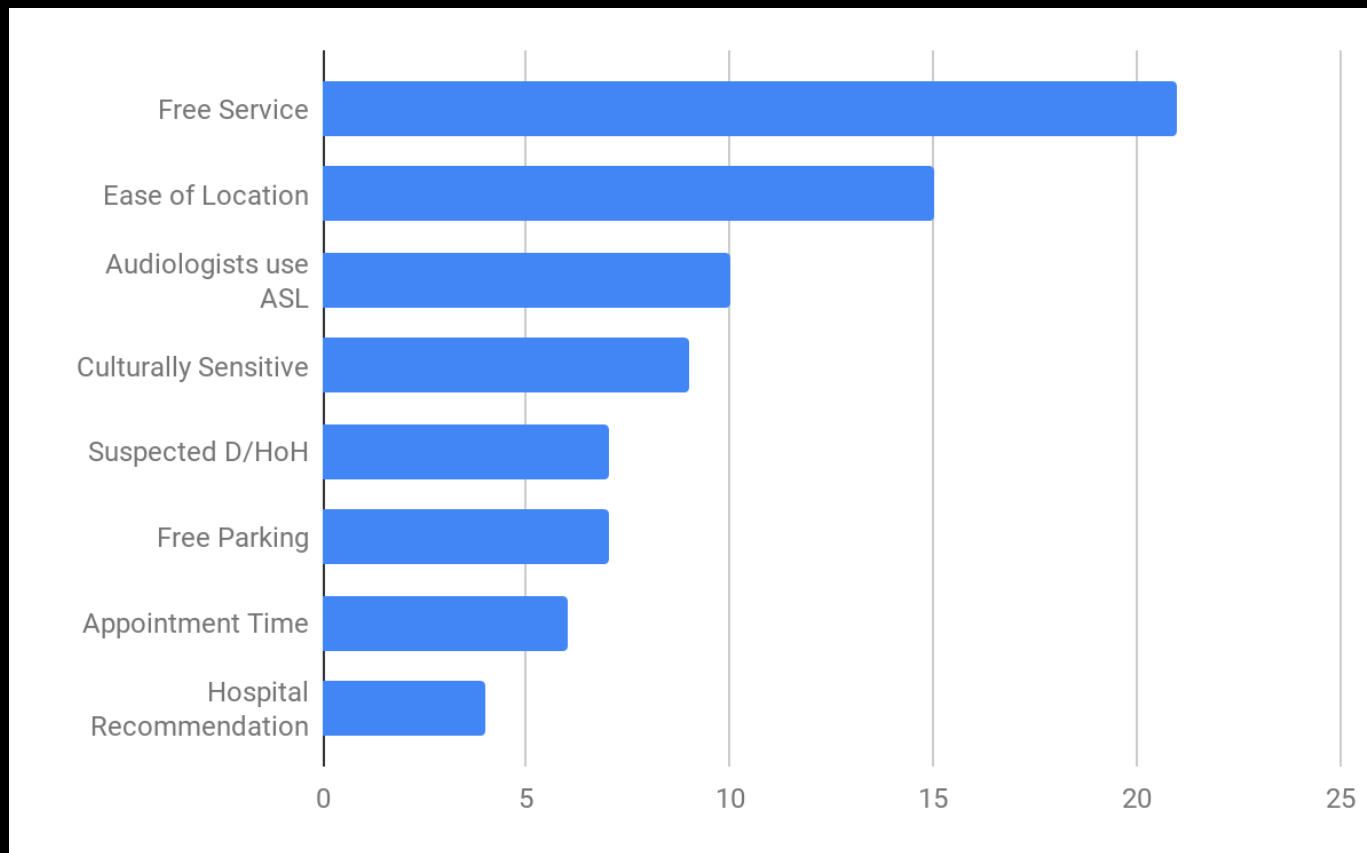


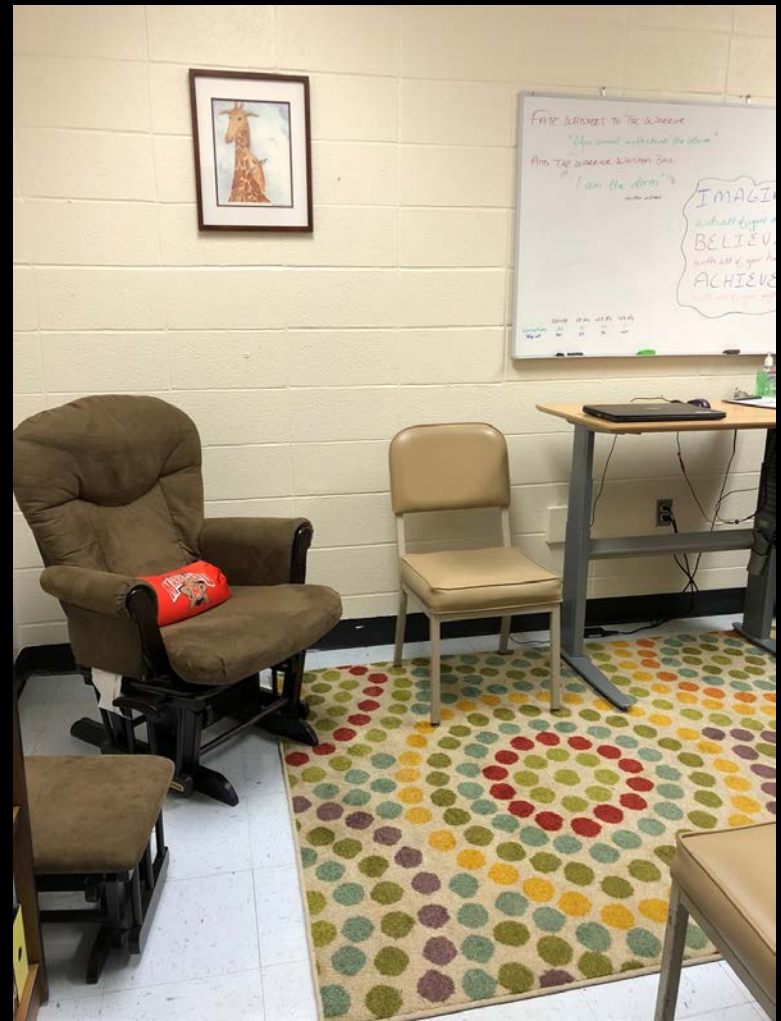
SURVEY FEEDBACK (27 Families)



<https://youtu.be/cspc1MXc7vc>

Why did you choose MSD?





Future Planning

Continuing:

- Outreach
- Safe place for newly identified families
- Culturally sensitive
- Proficient in ASL
- 1-3-6/Level 1-3
- Free & convenient location

Challenges:

- Foreign Language Interpreters
- Equipment maintenance
- Consumables
- Impact of time on campus services
- Skill set & Training

Does your state use their
school for the deaf as a
resource?



Jennifer Mertes, AuD

Maryland School for the Deaf -
Columbia Campus

jennifer.mertes@msd.edu

410-696-3050



Michelle Bode, AuD

Maryland School for the Deaf -
Frederick Campus

michelle.bode@msd.edu

301-360-2045



Dave Alexander, AuD - MSD Audiologist @ Frederick & Columbia



Our wonderful co-workers for their support and feedback

Many thanks to our contributors!

MD EHDI, Tanya Green

Our families and students for inspiring us each day