Duke University School of Medicine

Preliminary Data on the Self-Identified Hearing Goals (SIHG) Questionnaire

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Disclosures

- Salary from Duke University
- Affiliation with Mountain Home VAMC
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Patient-Centered Care in Audiology Person-Centered Model Audiology Audionogy Audiono

Self-Assessment Tools for Patient-Centered Care

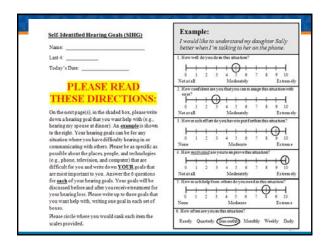
- E.g., Client Oriented Scale of Improvement (COSI; Dillon et al., 1997), Glasgow Hearing Aid Benefit Profile (GHABP; Gatehouse, 1999)
- Pre-treatment
 - No (COSI)/Minimal (GHABP) indication of how patient is currently functioning in the nominated situations
- Post-treatment
 - Benefit and satisfaction measures
 - No indication of how they are doing with hearing aids in terms of fit/comfort, occlusion, etc.

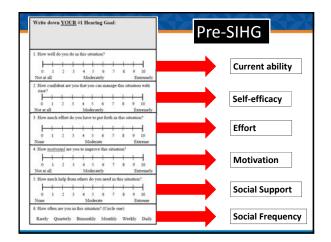
Purpose

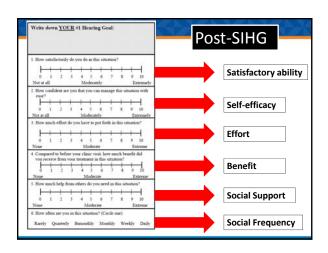
- To develop a patient-specific self-report measure for auditory rehabilitation that obtained patients' nominated listening goals and assessment of self-perceptions regarding each listening goal to facilitate a tailored rehabilitation approach
- Current status (pre)/ post intervention
- Demonstrate validity and reliability of the measure (Long-term goal)

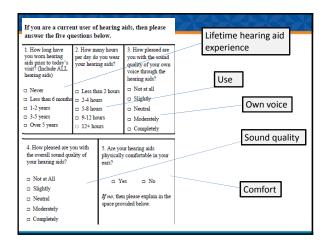
Self-Identified Hearing Goals Questionnaire (SIHG)

- Nominate up to 3 goals
- Expands upon the COSI
 - Assesses 6 domains regarding each goal (pre/post)
 - Asks 5 additional questions if the patient has hearing aids (pre/post)
- Intended use
 - Adults undergoing any audiologic rehabilitation intervention





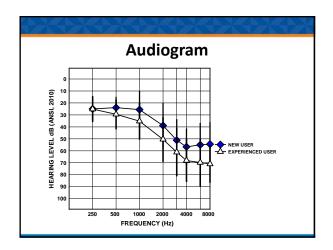




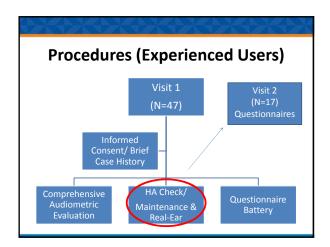
Inclusion Criteria Veterans (18-89 years of age) Healthy subjects No dementia, blindness, etc. Sensorineural hearing loss Must have amplification that was meeting NAL-NL2 targets (± 5 dB)

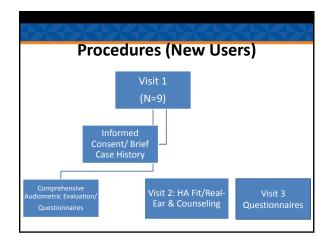
Participants			
	Experienced Users	New Users	
N	47	9	
Age (in years)	71.9 (5.4)	63.6 (16.4)	
Gender (# male)	46	9	

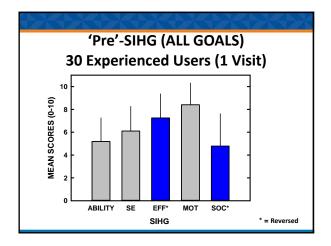
Hearing Aids			
	Experienced	New	
Hearing Aid Type (N)			
BTE	20	2	
RIC	23	6	
ITE/HS/CIC	1	1	
Remote control/Phone App	21	2	
Accessories for TV and/or phone	4	1	
Remote microphone technology	0	0	
Communication strategies training	0	0	

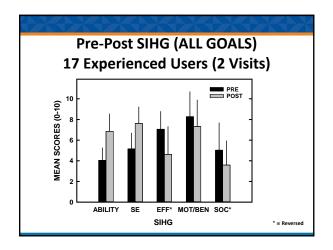


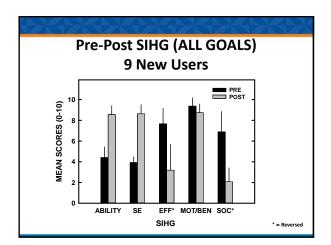












Standard Outcomes			
Questionnaire	% Within or		
	Exceeded Norms		
SADL	100		
IOI-HA	96		
DOSO form B	94		
HHIA/E	80		
SSQ12	68		
LSEQ	56		

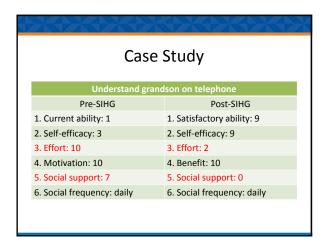
Interim Conclusions

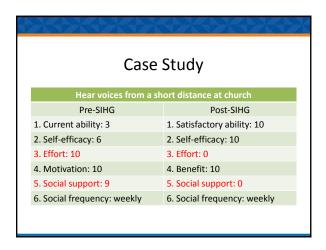
- 64% experienced users had hearing aids that met target and who declined adjustments
- Average SIHG responses suggest they could benefit from AR to improve goals
- 36% of experienced users needed adjustments to meet target
 - Adjustments plus counseling improved SIHG responses
 - Some could use additional tailored AR
- New users had significant improvement and high outcomes in all domains
- Majority of new and experienced users would have met normative data on standardized outcome measures

Case Study (Experienced User)

- Goals
 - -(1) Understand grandson on telephone
 - -(2) Hear voices from a short distance at church
 - Re-fit hearing aids
 - Facilitative strategies
 - Telephone tactics

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Clinical Implication • Stresses the importance of follow-ups • Focus on better tailoring our audiologic rehabilitation plan to the individual - Accomplished through looking at self-nominated goals pre- vs post- intervention



