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FRIDAY SEMINARS IN SPEECH, LANGUAGE, AND HEARING

Bruton Conferences are Sponsored by the David Bruton, Jr. Endowed Lecture Series in Communication Disorders

Colleen Le Prell, PhD

The National Academies of Sciences, Engineering, and Medicine (NASEM) convened a committee to provide recommendations related to measuring meaningful outcomes for adult hearing health interventions. A committee composed of 13 invited members addressed this task along with NASEM staff. Diverse stakeholders including individuals with hearing loss, clinicians, researchers, and interested parties provided input through formalized meetings and open solicitation of comments through the NASEM digital platform. Meaningful domains that are important across a range of hearing health interventions in both the clinical and research context were identified based on scientific literature, clinical expertise, and stakeholder input with the final list narrowed to two recommended outcomes. Corresponding measurement tools for these two outcomes were identified through a review of current measures with attention to psychometric data supporting test/retest reliability, validity, feasibility, and ability to identify meaningful change. The two recommended domains include Understanding Speech in Complex Listening Situations and Hearing-related Psychosocial Health. The Abbreviated Profile of Hearing Aid Benefit (APHAB, self-assessment) and the Words in Noise (WIN, objective assessment) test were recommended for evaluating Understanding Speech in Complex Listening Situations. The revised Hearing Handicap Inventory (rHHI) was recommended to assess Hearing-related Psychosocial Health. The process of identifying the outcome domains and subsequent measures will be reviewed and suggestions for operationalizing these recommendations will be provided. Research is needed in the area of hearing health outcomes and NIH has identified this as a topic of interest.



Colleen Le Prell is the Emilie and Phil Schepps Professor of Hearing Science, Head of the Department of Speech, Language, and Hearing, and Faculty Director for the Clinical and Translational Research Center at the University of Texas at Dallas. She has received research funding from government agencies, foundations, and industry, for research on noise-induced hearing loss. She is Chair of the NIH Center for Scientific Review Auditory System Study Section, is an invited member of the NIOSH Hearing Loss Prevention Cross-Sector Council, serves on the World Health Organization Make Listening Safe working group, and is academic liaison for the DHA Hearing Center of Excellence Pharmaceutical Interventions for Hearing Loss work group. Dr. Le Prell was a member of the National Academies of Sciences, Engineering, and Medicine committee responsible for the recent report on Meaningful Outcome Measures in Adult Hearing Health Care.

Date/Time: Friday, September 18th , 12 noon to 1 pm

Location: MS Teams and Room Glorig