

RACHAEL FRUSH HOLT

Updated 06/29/2026

SELECTED PRESENTATIONS

2021-Present

Peer-Reviewed

Davenport, C., Houston, D. M., Bowdrie, K., & **Holt, R. F.** (February, 2021). *The role of early intervention in parental self-efficacy for families of deaf and hard-of-hearing children*. Poster session presented at the 2021 Early Hearing Detection and Intervention (EDHI) Annual Conference, Virtual Conference.

Lind-Combs, H. C., O'Malley, C., Heath, A., Shrivastava, S., & **Holt, R. F.** (April, 2021). *Parental stress influence parents' sensitivity to DHH child language*. Poster session presented at the CI2021 Cochlear Implants in Children and Adults Conference, Virtual Conference.

Holt, R. F. (June, 2021). *Applied Hearing Aids and Signal Processing for Aural (Re-) habilitation*. Paper presented at the Acoustical Society of America: Acoustics in Focus Meeting, Virtual Conference.

Lind-Combs, H., Shrivastava, S., & **Holt, R. F.** (November, 2021). *The effect of parent mental state language on inhibitory control in children with hearing loss*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Washington, D.C, Hybrid Conference.

Bowdrie, K., Lind-Combs, H., Blank, A., & **Holt, R. F.** (November, 2021). *The protective influence of caregiver language on temperament and language in children with hearing loss*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Washington, D.C, Hybrid Conference.

Blank, A., Heath, A., Mogan, S., Patel, R., O'Malley, C., & **Holt, R. F.** (November, 2021). *Associations between paternal play and executive function in children with hearing loss*. Poster session presented at the annual meeting of the American Speech-Language-Hearing Association, Washington, D.C, Hybrid Conference.

**Awarded Meritorious Poster Designation by ASHA

Lind-Combs, H., Bent, T., & **Holt, R. F.** (December, 2021). *Comparing Levenshtein distance and dynamic time warping in predicting listeners' judgements of accent distance*. Poster session presented at the fall meeting of the Acoustical Society of America, Seattle, WA.

Findlen, U. M., Davenport, C., Houston, D. M., **Holt, R. F.**, & Hunter, L. (March, 2022). *Barriers to and facilitators of EHDI: Learning from our past for a better future*. Paper presented at the 2022 Early Hearing Detection and Intervention (EDHI) Annual Conference, Cincinnati, OH (moved virtually).

Bowdrie, K., **Holt, R. F.**, & Houston, D. M. (May, 2022). *The interaction between temperament and family-related environmental confusion on spoken language in children who are deaf and hard-of-hearing*. Poster session presented at the CI2022 Emerging Issues in Cochlear Implantation Meeting, Washington, DC.

*Received the Best Student Poster in Audiology Award

Henry, M., Bent, T., & **Holt, R. F.** (May, 2022). *Children's perception of accent distance for native and nonnative varieties*. Poster session presented at the spring meeting of the Acoustical Society of America, Denver, CO.

Henry, M., Bent, T., & **Holt, R. F.** (October, 2022). *Children's sensitivity to accent strength of native and nonnative varieties*. Poster presented at MidPhon 27, Washington University of St. Louis, St. Louis, MO.

Holt, R. F., Lind-Combs, H., Bowdrie, K., & Jamsek, I. (November, 2022). *Promoting resiliency in children who are deaf and hard-of-hearing: The essential role of families*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, New Orleans, LA.

Holt, R. F., Pisoni, D. B., Marlow, E., Jamsek, I., Dickerson, J., Malhotra, P., & Kronenberger, W. G. (March, 2023). *Longitudinal effects of families on spoken language in DHH children*. Poster presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

Jamsek, I., **Holt, R. F.**, Kronenberger, W. K., & Pisoni, D. B. (April, 2023). *Longitudinal executive functioning and language development in children who are deaf or hard-of-hearing*. Paper presented at the American Academy of Audiology Meeting, Seattle, WA.

Holt, R. F., Bent, T., Lind-Combs, H., & Kunath, A. (August, 2023). *Developmental differences in intelligibility of unfamiliar accents*. Poster session presented at the International Congress of Phonetic Sciences 2023, Prague, Czech Republic.

Bent, T., & **Holt, R. F.** (August, 2023). *Predicting intelligibility from pronunciation distance metrics*. Paper presented at the International Congress of Phonetic Sciences 2023, Prague, Czech Republic.

Dickerson, J., **Holt, R. F.**, Siegel, K., & Kronenberger, W. (November, 2023). *Longitudinal effects of specific family environmental influences on spoken language outcomes in DHH children*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.

**Awarded Meritorious Poster Designation by ASHA

Lind-Combs, H., & **Holt, R. F.** (November, 2023). *Visual social attention and pragmatics in children with cochlear implants: Results from an eye-tracking study*. Poster presented at the annual meeting of the American Speech-Language-Hearing Association, Boston, MA.

Lind-Combs, H., & **Holt, R. F.** (February, 2024). *Visual social attention and pragmatics in adolescents who are deaf/hard-of-hearing*. Poster presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

Bowdrie, K., & **Holt, R. F.** (February, 2024). *Effortful control and spoken language in DHH children: Caregiver contributions*. Poster presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

Henry, M. H., Bent, T., **Holt, R. F.**, & Lind-Combs, H. C. (May, 2024). *The contribution of suprasegmental cues to perceived L1 and L2 accent distance*. Poster presented at the annual meeting of the Acoustical Society of America, Ottawa, Canada.

Lind-Combs, H. C., Bent, T., **Holt, R. F.**, & Henry, M. H. (May, 2024). *How rhythmic cues influence perception of accent distance across L1 and L2 English speakers*. Poster presented at the annual meeting of the Acoustical Society of America, Ottawa, Canada.

Song, Y, Wagner, L., **Holt, R. F.**, Stanhope, R., White, S., & Speer, S. R. (June, 2024). *The acquisition of prosodic prominence to disambiguate compounds and phrases*. Poster presented at the LabPhon 19, Seoul, Korea.

Wagner, L., Song, Y. J., Speer, S., White, S., Stanhope, R., & **Holt, R. F.** (July, 2024). *The prosody of compound nouns: Direct comparison of tunes helps children (and adults)*. Paper presented at the 16th International Congress for the Study of Child Language, Prague, Czech Republic.

Bent, T., Henry, M. H., & **Holt, R. F.** (November, 2024). *Accent distance perception in children and adults*. Paper presented at the Psychonomic Society's 2024 Annual Meeting, New York, NY.

Henry, M. H., Dickerson, J., Lind-Combs, H. C., **Holt, R. F.**, & Bent, T. (December, 2024). *Linguistic complexity and noise influence intelligibility for L1- and L2-accented English*. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Seattle, WA.

Dickerson, J., Bowdrie, K., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (February, 2025). *Family environment influences DHH children's language through parent's language*. Poster presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

Lind-Combs, H., & **Holt, R. F.** (May, 2025). *Variability in perceived pragmatic language skills in deaf or hard of hearing children: The role of assessment type*. Poster presented at CI2025: Conference on Cochlear Implants, Boston, MA.

Hiersch, K., Wang, X., Quatralo, A., Dickerson, J., Taylor, G. H., Hamilton, J., Constantine, M., **Holt, R. F.**, & Saygin, Z. (September, 2025). *Connectivity-based prediction of putative language regions in the fetal brain*. Poster presented at FLUX 2025 (Developmental Cognitive Neuroscience conference), Dublin, Ireland.

Bent, T., **Holt, R. F.**, Serksen, M., Reusch, P., Hale, R., Ingram, A. C., & Henry, M. (December, 2025). *How children spontaneously describe talkers from speech*. Poster presented at the Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan, Honolulu, HI.

Bowdrie, K., Lecke, M., & **Holt, R. F.** (February, 2026). *Hearing aid benefit in adults: Interactions between temperament and self-efficacy*. Paper presented at the annual meeting of the American Auditory Society, Scottsdale, AZ.

**Awarded New Investigator Travel Award (to Bowdrie)

Bowdrie, K., Lecke, M., Moenter-Rodriguez, D., & **Holt, R. F.** (April, 2026). *Associations between subjective and objective hearing aid outcomes: The role of self-efficacy*. Poster presented at the Ohio Speech-Language-Hearing-Association Convention, Westerville, OH.

Bowdrie, K., & **Holt, R. F.** (April, 2026). *The effects of adult temperament on aided speech perception while accounting for self-efficacy*. Poster presented at the Ohio Speech-Language-Hearing-Association Convention, Westerville, OH.

Tsai, T-P., Bent, T., **Holt, R. F.**, Hale, R., Kilgore, R., Reusch, P., & Xanders, A. (May, 2026). *Developmental trajectories in perception of gender diverse voices using face spectra*. Poster presented at the spring meeting of the Acoustical Society of America, Philadelphia, PA.

Bent, T., **Holt, R. F.**, Hale, R., Henry, M., Ingram, A. C., Kilgore, R., Montgomery, B., Reusch, P., Serksen, M., Tsai, T-P., & Xanders, A. (May, 2026). *Developmental changes in spontaneous descriptions of talkers from speech*. Poster presented at the spring meeting of the Acoustical Society of America, Philadelphia, PA.

Henry, M., Bent, T., Henry, J., & **Holt, R. F.** (May, 2026). *Identifying acoustic-phonetic predictors of children's accent distance perception: A machine learning approach*. Paper presented at the 47th Annual International Child Phonology Conference, Madison, WI.

Invited

Holt, R. F. (August, 2022). *Hearing with your brain*. Invited presentation at the STEAM Factory's Columbus Science Pub, Shadowbox Live, Columbus, OH.

Holt, R. F. (April, 2023). *Family-related contributions to language in oral deaf and hard-of-hearing children*. Diane Kewley-Port invited, annual mentored lecture, Indiana University, Bloomington, IN.

Holt, R. F. (April, 2025). *Family-related contributions to neurocognitive outcomes in oral deaf and hard-of-hearing children*. Invited lecture, Boys Town National Research Hospital, Omaha, NE.

Holt, R. F. (April, 2025). *Career development workshop: Community-facing research in an anti-science climate*. Invited lecture, Boys Town National Research Hospital, Omaha, NE.

Holt, R. F. (October, 2025). *The importance of families in spoken language development of DHH children*. Invited presentation, Ohio Speech-Language Supervisory and Audiology Network (OSSPEAC) Conference 2025, Columbus, OH.

Holt, R. F. (December, 2025). *Listening with your brain*. Invited presentation at the Columbus Science Pub, Shadowbox Live, Columbus, OH.