

## RACHAEL FRUSH HOLT

Updated 08/15/2023

### PUBLICATIONS

#### *Articles in Refereed Journals/Peer Reviewed Documents*

Bowdrie, K., Lind-Combs, H., Blank, A., & **Holt, R. F.** (2023). The influence of caregiver language on the association between child temperament and spoken language in children who are deaf and hard-of-hearing. *Ear & Hearing*.

DOI: 10.1097/AUD.0000000000001378

Bent, T. C., Lind-Combs, H., **Holt, R. F.**, & Clopper, C. G. (2023). Perception of regional and nonnative accents: A comparison of museum laboratory and online data collection. *Linguistics Vanguard*. <https://doi.org/10.1515/lingvan-2021-0157>

Findlen, U. M., Davenport, C., Cadieux, J., Gehred, A., **Holt, R. F.**, Vaughn, L. M., Houston, D. M., & Hunter, L. L. (2023). Barriers to and facilitators of early hearing detection and intervention: A systematic review. *Ear & Hearing*, 44, 448-459. doi: 10.1097/AUD.0000000000001312

Jamsek, I. A., Kronenberger, W. G., Pisoni, D. B., & **Holt, R. F.** (2022). Executive functioning and spoken language skills in young children with hearing aids and cochlear implants: Longitudinal findings. *Frontiers in Psychology*, 13:987256. doi: 10.3389/fpsyg.2022.987256

Lind-Combs, H., & **Holt, R. F.** (2022). Associations between parent mental state language and child inhibitory control in children who are deaf or hard of hearing. *Journal of Speech, Language, and Hearing Research*, 65 (8), 3129-3145. [https://pubs.asha.org/doi/10.1044/2022\\_JSLHR-22-00005](https://pubs.asha.org/doi/10.1044/2022_JSLHR-22-00005)

Bowdrie, K. **Holt, R. F.**, & Houston, D. M. (2022). Interactive effects of temperament and family-related environmental confusion on spoken language in children who are deaf or hard-of-hearing. *Journal of Speech, Language, and Hearing Research*, 65 (9), 3566-3582. [https://doi.org/10.1044/2022\\_JSLHR-21-00665](https://doi.org/10.1044/2022_JSLHR-21-00665)

\*\*The Informed SLP highlighted the clinical relevance of this paper on their website in March 2023 (<https://www.theinformedslp.com/review/environment-temperament-and-language-learning-for-dhh-kids>)

Blank, A., & **Holt, R. F.** (2022). Associations between paternal play and executive function in deaf and hard-of-hearing children. *Journal of Speech, Language, and Hearing Research*, 65 (8), 3056-3078. [https://doi.org/10.1044/2022\\_JSLHR-21-00661](https://doi.org/10.1044/2022_JSLHR-21-00661)

**Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (2022). Family environment differentially influences spoken language in children with and without hearing loss.

*Journal of Speech, Language, and Hearing Research*, 65 (1), 361-377. doi: 10.1044/2021\_JSLHR-21-00220

Bent, T. C., **Holt, R. F.**, Van Engen, K. J., Jamsek, I. A., Arzbecker, L. J., Liang, L., & Brown, E. E. (2021). How pronunciation distance impacts word recognition for children and adults. *Journal of the Acoustical Society of America*, 150, 4102-4117. <https://doi.org/10.1121/10.0008930>

Jamsek, I. A., **Holt, R. F.**, Kronenberger, W. G., & Pisoni, D. B. (2021). Differential at-risk pediatric outcomes of parental sensitivity based on hearing status. *Journal of Speech, Language, and Hearing Research*, 64, 3668-3684. [http://doi.org/10.1044/2021\\_JSLHR-20-00491](http://doi.org/10.1044/2021_JSLHR-20-00491)

Davenport, C. A., Houston, D. M., Bowdrie, K., & **Holt, R. F.** (2021). The role of early intervention in parental self-efficacy for families of children who are deaf/hard-of-hearing. *Journal of Early Hearing Detection and Intervention*, 6, 38-47. <https://doi.org/10.26077/cf34-9189>

Bowdrie, K., **Holt, R. F.**, Blank, A., & Wagner, L. (2021). Naturalistic use of aspect morphology in deaf and hard-of-hearing children. *Journal of Child Language*, 1-16. doi:10.1017/S0305000921000080

Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (2020). Family-level executive functioning and at-risk pediatric hearing loss outcomes. *Journal of Speech, Language, and Hearing Research*, 64, 218-229. [https://doi.org/10.1044/2020\\_JSLHR-20-00342](https://doi.org/10.1044/2020_JSLHR-20-00342)

Lee, Y., Ahn, S., **Holt, R. F.**, & Schellenberg, G. (2020). Rhythm and syntax processing in school-age children. *Developmental Psychology*, 56, 1632-1641.

**Holt, R. F.**, Beer, J., Kronenberger, W. G., Pisoni, D. B., Lalonde, K., & Mulinaro, L. (2020). Family environment in children with hearing aids and cochlear implants: Associations with spoken language, psychosocial functioning, and cognitive development. *Ear & Hearing*, 41, 762-774. DOI: [10.1097/AUD.0000000000000811](https://doi.org/10.1097/AUD.0000000000000811)

Blank, A., **Holt, R. F.**, Pisoni, D. B., & Kronenberger, W. G. (2020). Associations between parental stress, language comprehension, and inhibitory control in children with hearing loss. *Journal of Speech, Language, and Hearing Research*, 63, 321-333. doi.org/10.1044/2019\_JSLHR-19-00230

**Holt, R. F.** (2019). Family environment contributions to children's neurocognitive development. *The Volta Review*, 119, 125-141. [Invited]

Blank, A., **Holt, R. F.**, & Wagner, L. (2019). Inhibitory control and receptive vocabulary influence on aspect comprehension in children. *Applied Psycholinguistics*, 1-19. doi: 10.1017/S0142716419000432

Davenport, C., & **Holt, R. F.** (2019). Influence of family environment on developmental outcomes in children with cochlear implants: A matched case study. *Volta Review*, *119*, 29-55.

**Holt, R. F.** (2019). Assistive hearing technology for deaf and hard-of-hearing spoken language learners. *Education Sciences*, *9*, 153-175. doi:10.3390/educsci9020153 [Invited]

Bent, T., **Holt, R. F.**, Miller, K., & Libersky, E. (2019). Sentence context facilitation for children's and adults' recognition of native and nonnative-accented speech. *Journal of Speech, Language, and Hearing Research*, *62*, 423-433.

[https://doi.org/10.1044/2018\\_JSLHR-H-18-0273](https://doi.org/10.1044/2018_JSLHR-H-18-0273)

Moberly, A. C., Vasil, K., Wucinich, T. L., Safdar, N., Boyce, L., Roup, C., **Holt, R. F.**, Adunka, O. F., Castellanos, I., Houston, D. M., & Pisoni, D. B. (2018). How does aging affect recognition of spectrally degraded speech? *Laryngoscope*, *128* (Suppl. 5), S1-S16. doi:10.1002/lary.27457

Bent, T., & **Holt, R. F.** (2018). Shhh... I need quiet! Children's understanding of American, British, and Japanese Speakers. *Language and Speech*, *61*(4), 657-573.

Youngdahl, C. L., Healy, E. W., Yoho, S. E., Apoux, F., & **Holt, R. F.** (in press). The effect of remote masking on the reception of speech by young school-aged children. *Journal of Speech, Language, and Hearing Research*.

Bent, T., & **Holt, R. F.** (2017). Representation of speech variability. *Wiley Interdisciplinary Reviews: Cognitive Science*, *1-14*. doi: 10.1002/wcs.1434. [Invited]

**Holt, R. F.** & Bent, T. (2017). Children's use of semantic context in perception of foreign-accented speech. *Journal of Speech, Language, and Hearing Research*, *60*, 223-230. doi: 10.1044/2016

Lalonde, K., & **Holt, R. F.** (2016). Audiovisual speech perception development at varying levels of perceptual processing. *Journal of the Acoustical Society of America*, *139*, 1713-1723. doi: 10.1121/1.4945590

Phan, J., Houston, D. M., Ruffin, C., Ting, J., & **Holt, R. F.** (2016). Factors affecting speech discrimination in children with cochlear implants: Evidence from early-implanted infants. *Journal of the American Academy of Audiology*, *27*, 480-488.

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Lalonde, K., & **Holt, R. F.** (2014). Cognitive and linguistic sources of variance in 2-year-olds' speech-sound discrimination. *Journal of Speech, Language, and Hearing Research, 57*, 308-326. doi:10.1044/1092-4388(2013/12-0227).

Bent, T., & **Holt, R. F.** (2013). The influence of talker and foreign-accent variability on spoken word identification. *Journal of the Acoustical Society of America, 133*, 1677-1686.

Beer, J., **Holt, R. F.**, & Harris, M. S. (2013). Cochlear implantation in children with additional diagnoses: Current trends and outcomes. *Otorhinolaryngologia: Cutting edge Otolaryngology Special Issue, 63*, 1-16.

**Holt, R. F.**, Beer, J., Kronenberger, W. G., & Pisoni, D. B. (2013). Developmental effects of family environment on outcomes in pediatric cochlear implant recipients. *Otology and Neurotology, 34*, 388-395.

**Holt, R. F.**, Beer, J., Kronenberger, W. G., Pisoni, D. B., & Lalonde, K. (2012). Contribution of family environment to pediatric cochlear implant users' speech and language outcomes: Some preliminary findings. *Journal of Speech, Language, and Hearing Research, 55*, 848-864.

Beer, J., Harris, M. S., Kronenberger, W. G., **Holt, R. F.**, & Pisoni, D. B. (2012). Auditory skills, language, and adaptive behavior of children with cochlear implants and additional disabilities. *International Journal of Audiology, 51*, 491-498.

**Holt, R. F.**, & Lalonde, K. (2012). Assessing toddlers' speech-sound discrimination. *International Journal of Pediatric Otorhinolaryngology, 76*, 680-692.

**Holt, R. F.** (2011). Enhancing speech discrimination through stimulus repetition. *Journal of Speech, Language, and Hearing Research, 54*, 1431-1447.

**Holt, R. F.**, Kirk, K. I., & Hay-McCutcheon, M. (2011). Assessing multimodal spoken word-in-sentence recognition in children with normal hearing and children with cochlear implants. *Journal of Speech, Language, and Hearing Research, 54*, 632-657.

**Holt, R. F.**, & Svirsky, M. A. (2008). An exploratory look at pediatric cochlear implantation: Is earliest always best? *Ear and Hearing, 29*, 492-511.

Kirk, K. I., Hay-McCutcheon, M. J., **Holt, R. F.**, Gao, S., Qi, R., & Gehrlein, B. L. (2007). Audiovisual spoken word recognition by children with cochlear implants. *Audiological Medicine, 5*, 250-261.

**Holt, R. F.**, & Carney, A. E. (2007). Developmental effects of multiple looks in speech sound discrimination. *Journal of Speech, Language, and Hearing Research, 50*, 1404-1424.

**Holt, R. F.**, & Carney, A. E. (2005). Multiple looks in speech sound discrimination in adults. *Journal of Speech, Language, and Hearing Research*, 48, 922-943.

**Holt, R. F.**, Kirk, K. I., Eisenberg, L. S., Martinez, A. S., & Campbell, W. (2005). Spoken word recognition development in children with residual hearing using cochlear implants and hearing aids in opposite ears. *Ear and Hearing*, 26 (Suppl.), 82S-91S.

**Holt, R. F.**, & Kirk, K. I. (2005). Speech and language development in cognitively delayed children with cochlear implants. *Ear and Hearing*, 26, 132-148.

### ***Book Chapters (Refereed)***

**Holt, R. F.** (in press). Family dynamics impact cochlear implant outcomes. In N. Young & K. Iler Kirk (Eds.), *Pediatric Cochlear Implantation: Learning and the Brain* (pp. xxx-xxx). New York, NY: Springer. [Invited]

Bergeson, T. R., & **Holt, R. F.** (2017). Assisted music listening in hearing impairment. In R. Ashley & R. Timmers (Eds.), *The Routledge Companion to Companion to Music Cognition* (pp. 237-248). New York, NY: Routledge. [Invited]

\* This volume received the Citation of Merit from the Society for Music Theory

### ***Non-refereed Articles/Proceedings***

Bent, T., & **Holt, R. F.** (2023). Predicting intelligibility from pronunciation distance metrics. *Proceedings of the International Congress on Phonetic Sciences 2023*, 20, 262-266.

**Holt, R. F.**, Bent, T., Lind-Combs, H., & Kunath, A. (in press). Developmental differences in intelligibility of unfamiliar accents. *Proceedings of the International Congress on Phonetic Sciences 2023*, 20, 292-296.

Kirk, K. I., Firszt, J. B., Hood, L. J., & **Holt, R. F.** (2006, Nov. 28). New directions in pediatric cochlear implantation: Effects on candidacy. *The ASHA Leader*, 11(16), 6-7, 14-15.

Kirk, K. I., & **Holt, R. F.** (2006). Cochlear implantation in children with cognitive delays. *Sound Waves: Advanced Bionics Newsletter for Professionals*, 3, 1-4.

**Holt, R. F.**, Svirsky, M.A., Neuburger, H., & Miyamoto, R. T. (2004). Age at implantation and communicative outcome in pediatric cochlear implant users: Is younger always better? *International Congress Series 1273: Proceedings of the VIII International Cochlear Implant Conference, Indianapolis, May 10-13* (pp. 368-371). Amsterdam: Elsevier.

Woods, W. S., **Frush, R. A.**, & Van Tasell, D. J. (1999). "Preference space" for parameters of two-channel speech compression. *Proceedings of the IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, New Paltz, New York, Oct. 17-20*.