

Elizabeth Walker
Communication Sciences and Disorders
Report includes August 1, 2005 to June 10, 2021
Curriculum Vitae as of June 11, 2021

Campus Address: 125B Speech and Hearing Center Department of Communication Sciences and Disorders,
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EDUCATION AND PROFESSIONAL HISTORY

Higher Education

- 2010 **PhD**, Speech and Hearing Science, University of Iowa
Thesis: Word learning processes in children with cochlear implants
- 2002 **MA**, Speech-language Pathology and Audiology, University of Minnesota-Twin
Cities
Thesis: Relations among linguistic and cognitive skills and spoken word recognition
in adults with cochlear implants
- 1999 **BA**, Psychology and Speech and Hearing Science, Graduated with honors and high
distinction, University of Iowa
Thesis: Phonological processes in children with cochlear implants

Professional and Academic Positions

- 2015 - Present **Assistant Professor**, Communication Sciences and Disorders, University of Iowa
- 2013 - 2015 **Adjunct Assistant Professor**, Communication Sciences and Disorders, University of Iowa
- 2012 - 2015 **Assistant Research Scientist**, Communication Sciences and Disorders and Otolaryngology-
Head and Neck Surgery, University of Iowa
- 2008 - 2012 **Research Associate**, Communication Sciences and Disorders, University of Iowa
- 2011 **Adjunct Faculty**, Communication Sciences and Disorders, Augustana College

Licensures and Certifications

- 2016 **Audiologist**, State of Iowa Department of Public Health
- 2004 **Certificate of Clinical Competence - Audiology**, American Speech and Hearing
Association
- 2003 **Certificate of Clinical Competence - Speech Language Pathology**, American Speech and
Hearing Association

Honors and Awards

- 2021 - 2024 **CLAS Dean's Scholar Award**, University of Iowa College of Liberal Arts and Sciences
- 2018 **Clinical Practice Research Institute grant**, American Speech-Language-Hearing
Foundation
- 2017 **Editor's Picks: Best Features 2017**, The Hearing Review
- 2017 **ASHA Research Conference Travel Grant**, American Speech-Language-Hearing
Foundation
- 2016 **Special Recognition, Ear and Hearing Supplement 1 "The Outcomes of Children with
Hearing Loss Study"**, American Auditory Society
- 2015 **Outstanding Poster Presentation Award in Social Sciences (mentor to Jill Aunan)**,
University of Iowa Fall Undergraduate Research Festival
- 2014 **Meritorious Poster Submission (mentor to Lauren Bricker)**, American
Speech-Language-Hearing Association
- 2014 **Meritorious Poster Submission (mentor to Rachel Raupp)**, American
Speech-Language-Hearing Association
- 2014 **Editor's Award for Article of Highest Merit, American Journal of Audiology**, American

Speech-Language-Hearing Association, Holte, L., Walker, E., Oleson, J. J., Spratford, M., Moeller, M. P., Roush, P. A., Tomblin, J. B. & Ou, H. (2012). Factors influencing follow-up to Newborn Hearing Screening for infants who are hard-of-hearing. *American Journal of Audiology*.

- 2014 **Distinguished Poster Presentation award in Social Sciences (mentor to Lauren Bricker)**, Spring Undergraduate Research Festival
- 2013 **Outstanding Poster Presentation Award in Social Sciences (co-mentor to Mary Garvert)**, Spring Undergraduate Research Festival
- 2004 - 2008 **Presidential Graduate Fellowship**, University of Iowa
- 2006 **New Century Scholars Doctoral Scholarship**, American Speech, Language, & Hearing Foundation
- 2005 **Editor's Award for Article of Highest Merit in Hearing**, American Speech-Language-Hearing Association, Collison (Walker), E.A., Munson, B., & Carney, A.E. (2004). Relations among linguistic and cognitive skills and spoken word recognition in adults with cochlear implants. *Journal of Speech, Language, and Hearing Research*, 47, 496-508.

Memberships

- 2013 - Present American Cochlear Implant Alliance
- 2012 - Present American Auditory Society
- 2003 - Present American Speech-Language-Hearing Association

TEACHING

Courses Taught at the University of Iowa

Term	Course#	Title	Ten-Day Enrollment	Final Enrollment
Spring 2021	CSD:6292:2	Advanced Rehabilitative Audiology	6	6
Spring 2021	CSD:7238:1	Capstone Requirement	4	4
Spring 2021	CSD:4098:1646	Honors Thesis	2	2
Spring 2021	CSD:4244:1	Rehabilitative Audiology	77	77
Spring 2021	CSD:7590:1791	Research	1	1
Spring 2021	CSD:3993:1737	Research Practicum	3	3
Spring 2021	CSD:6538:1	Seminar: Hearing Science	5	5
Fall 2020	CSD:5255:0001	Educational Audiology	9	9
Fall 2020	CSD:4098:9528	Honors Thesis	1	1
Fall 2020	CSD:7590:9996	Research	1	1
Fall 2020	CSD:3993:9688	Research Practicum	3	3
Fall 2020	CSD:6538:0001	Seminar: Hearing Science	8	8
Summer 2020	CSD:7590:9137	Research	1	1
Spring 2020	CSD:6292:0002	Advanced Rehabilitative Audiology	6	6

Term	Course#	Title	Ten-Day Enrollment	Final Enrollment
Spring 2020	CSD:7238:0001	Capstone Requirement	10	10
Spring 2020	CSD:4098:7436	Honors Thesis	2	2
Spring 2020	CSD:6245:0001	Pediatric Audiology	9	9
Spring 2020	CSD:4244:0001	Rehabilitative Audiology	81	81
Spring 2020	CSD:3993:7398	Research Practicum	4	4
Fall 2019	CSD:5255:0001	Educational Audiology	7	7
Fall 2019	CSD:4098:5036	Honors Thesis	2	2
Fall 2019	CSD:7590:4925	Research	1	1
Fall 2019	CSD:3993:5033	Research Practicum	3	3
Fall 2019	CSD:5310:0001	Scientific Writing	4	4
Summer 2019	CSD:7590:5876	Research	1	1
Spring 2019	CSD:6292:0002	Advanced Rehabilitative Audiology	9	9
Spring 2019	CSD:7238:0001	Capstone Requirement	8	8
Spring 2019	CSD:4098:3026	Honors Thesis	2	2
Spring 2019	CSD:4186:4059	Probs: Sp/Hearing Processes & Disorders	1	1
Spring 2019	CSD:3993:3209	Research Practicum	4	4
Fall 2018	CSD:5255:0001	Educational Audiology	9	
Fall 2018	CSD:4098:0790	Honors Thesis	2	
Fall 2018	CSD:7590:1251	Research	1	
Fall 2018	CSD:3993:0756	Research Practicum	6	
Summer 2018	CSD:7590:1547	Research	1	
Summer 2018	CSD:3993:0600	Research Practicum	1	
Spring 2018	CSD:6292:0002	Advanced Rehabilitative Audiology	16	
Spring 2018	CSD:7238:0001	Capstone Requirement	4	
Spring 2018	CSD:4098:8757	Honors Thesis	1	
Spring 2018	CSD:4244:0001	Rehabilitative Audiology	59	

Term	Course#	Title	Ten-Day Enrollment	Final Enrollment
Spring 2018	CSD:7590:8685	Research	3	
Spring 2018	CSD:3993:8857	Research Practicum	3	
Fall 2017	CSD:5255:0001	Educational Audiology	10	
Fall 2017	CSD:4098:6325	Honors Thesis	2	
Fall 2017	CSD:7590:6424	Research	1	
Fall 2017	CSD:3993:6429	Research Practicum	3	
Summer 2017	CSD:4098:5953	Honors Thesis	1	
Summer 2017	CSD:7590:7222	Research	1	
Spring 2017	CSD:6292:0002	Advanced Rehabilitative Audiology	9	
Spring 2017	CSD:4244:0001	Rehabilitative Audiology	41	
Spring 2017	CSD:3993:5096	Research Practicum	2	
Fall 2016	CSD:5255:1	Educational Audiology	5	
Fall 2016	CSD:3993:1894	Research Practicum	3	
Spring 2016	CSD:4098:0058	Honors Thesis	1	
Spring 2016	CSD:4244:0001	Rehabilitative Audiology	70	
Spring 2016	CSD:3993:0058	Research Practicum	3	
Fall 2015	CSD:4145:0001	Developmental Language Disorders	75	
Fall 2015	CSD:4098:0058	Honors Thesis	1	
Fall 2015	CSD:3993:0058	Research Practicum	1	

Student Mentoring

AuD - Capstone Project, Chair

- Fall 2017 - May 2020 Adamek, Alyssa; *Completed*
- Fall 2017 - May 2020 Barnes, Clairissa; *Completed*
- Fall 2017 - May 2020 Goetz, Emily; *Completed*
- Fall 2017 - May 2020 Kock, Kevin; *Completed*
- Fall 2017 - May Ponturiero, Kristen; *Completed*

2020

Fall 2016 - May 2019 Tatge, Bailey; *Completed*January 2016 - May 2018 Jorgensen, Erik; *Completed*August 2014 - May 2018 Klein, Kelsey; *Completed*Fall 2015 - Spring 2016 Donaldson, Laurel; *Completed****AuD - Capstone Project, Co-Chair***August 2015 - May 2018 Dumanch, Kelsey; *Completed*May 2016 Palmer, Megan; *Completed*May 2016 Winnike, Stephanie; *Completed*August 2015 - May 2016 James, Brittany; *Completed*Fall 2015 - Spring 2016 Julius, Abbigail; *Completed*Fall 2015 - Spring 2016 Nelson, Hannah; *Completed*Fall 2015 - Spring 2016 Olmvedt, Julia; *Completed****AuD - Capstone Project, Member***Fall 2017 - May 2018 Grindle, Anastasia; *Completed****BA - Directed Individual/Independent Study***

Fall 2017 - May 2019 Spinelli, Jessica

Spring 2016 - May 2019 Nelson, Caitlin

Spring 2016 - May 2018 Strable, Gennea

Fall 2015 - Spring 2016 Redfern, Alexandra; *Completed*Summer 2015 - Fall 2015 Boyd, Jill; *Completed****BA - Undergraduate Honors Thesis***August 2019 - May 2020 Strohs, Lauren; *Completed*August 2019 - May 2020 Wille, Mary; *Completed*June 2018 - May 2019 Shymanski, Jeffrey; *Completed*

Fall 2017 - May 2018	Gabel, Kathryn; <i>Completed</i>
Summer 2017 - May 2018	Canon, Rachel; <i>Completed</i>
Fall 2015 - Spring 2016	Kessler, David; <i>Completed</i>
Summer 2014 - Spring 2015	Kreiter, Haley; <i>Completed</i>
Fall 2013 - Spring 2014	Bricker, Lauren; <i>Completed</i>
Fall 2013 - Spring 2014	Raupp, Rachel; <i>Completed</i>
Fall 2012 - Spring 2013	Doggett, Sarah; <i>Completed</i>
Fall 2012 - Spring 2013	Garvert, Mary; <i>Completed</i>

PhD - Comprehension Exam, Chair

Fall 2019	Sapp, Caitlin; <i>All But Dissertation</i>
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PhD - Comprehensive Exam, Member

Summer 2019	Jorgensen, Erik; <i>All But Dissertation</i>
Summer 2019	Venkitakrishnan, Soumya; <i>All But Dissertation</i>
Fall 2017	Kim, Subong; <i>Completed</i>
Summer 2017	Klein, Kelsey; <i>Completed</i>
Summer 2016	Takacs, Bogi; <i>Withdrawn</i>

PhD - Dissertation Committee Chair

September 2019 - Present	Sapp, Caitlin; <i>All But Dissertation</i>
Fall 2017 - July 2020	Klein, Kelsey; <i>Completed</i>

PhD - Dissertation Committee Member

June 2020 - Present	Jordan, Larissa; <i>All But Dissertation</i>
January 2020 - Present	Jorgensen, Erik; <i>All But Dissertation</i>
December 2019 - Present	Venkitakrishnan, Soumya; <i>All But Dissertation</i>
January 2018 - Present	Wiseman, Kathryn; <i>All But Dissertation</i>
Fall 2017	Guiliani, Nicholas; <i>Completed</i>

Publications

CLAS * System * = Senior Author, Major Contribution, ** = Secondary Contribution *** = Equal Contribution, **** = Minor Contribution

Refereed Articles

1. ** Heinrichs-Graham, E., Walker, E. A., Eastman, J. A., Frenzel, M. R., McCreery, R. W. Amount of hearing aid use impacts neural oscillatory dynamics underlying verbal working memory processing for children with hearing loss. *Ear and Hearing*. Accepted/In Press 2021
2. * Sapp, C., Stirm, J., O'Hollearn, T., Walker, E. A. Expanding the role of educational audiologists after a failed newborn hearing screening: a quality improvement study. *American Journal of Audiology*. Accepted/In Press 2021
3. ** Hendrickson, K., Spinelli, J., Walker, E. A. (2021). School-age children adapt the dynamics of lexical competition in suboptimal listening conditions. *Child Development*, 92(2), 638-649.
4. * Heinrichs-Graham, E., Walker, E. A., Eastman, J. A., Frenzel, M. R., Joe, T. R., McCreery, R. W. (2021). The impact of mild-to-severe hearing loss on the neural dynamics serving verbal working memory processing in children. *NeuroImage: Clinical*, 30, 102647.
5. *** McCreery, R. W., Walker, E. A. Variation in auditory experience affects language and executive function skills in children who are hard of hearing. *Ear and Hearing*. Accepted/In Press 2021
6. *** Toe, D., Mood, D., Most, T., Walker, E., Tucci, S. (2020). The assessment of pragmatic skills in young deaf and hard of hearing children. *Pediatrics*.
7. * Sapp, C., Walker, E. (2020). Timeliness of EHDI Benchmarks in Infants with a History of Lengthy NICU Stay. *Journal of Early Hearing Detection and Intervention*.
8. **** Ward, C., Oleson, J., Tomblin, J. B., Walker, E. (2020). Modeling population and subject-specific growth in a latent trait measured by multiple instruments over time using a hierarchical Bayesian framework. *Journal of Applied Statistics*.
9. ** Tomblin, J. B., Oleson, J., Ambrose, S. E., Walker, E. A., McCreery, R. W., Moeller, M. P. (2020). Aided hearing moderates the academic outcomes of children with mild to severe hearing loss. *Ear and Hearing*, 41, 775-789.
10. ** Hendrickson, K., Spinelli, J., Walker, E. A. (2020). Cognitive processes underlying spoken word recognition during soft speech. *Cognition*, 198, 1-15.
11. ** McCreery, R. W., Walker, E. A., Stiles, D. J., Spratford, M., Oleson, J. J., Lewis, D. E. (2020). Audibility-Based Hearing Aid Fitting Criterion for Children with Mild Bilateral Hearing Loss. *Language, Speech, Hearing Services in Schools*, 51(1), 55-67.
12. ** Tomblin, J. B., Oleson, J., Ambrose, S. E., Walker, E., Moeller, M. P. (2020). Early Literacy Predictors and Second-Grade Outcomes in Children who are Hard of Hearing. *Child Development*, 91(1), e179-e197.
13. * Walker, E. A., Sapp, C., Dallapiazza, M., Spratford, M., Oleson, J., McCreery, R. W. (2020). Language and Reading Outcomes in Fourth Grade Children with Mild Hearing Loss Compared to Age-matched Hearing Peers. *Language, Speech, Hearing Services in Schools*, 51(1), 17-28.
14. * Jorgensen, E. J., Walker, E. A. (2019). Music participation among school-aged children who are hard of hearing. *American Journal of Audiology*, 28(4), 908-926.
15. *** Spratford, M., Walker, E. A., McCreery, R. W. (2019). Use of an Application to Verify Classroom Acoustic Recommendations for Children who are Hard of Hearing in a General Education Setting. *American Journal of Audiology*, 28(4), 927-934.
16. ** McCreery, R. W., Walker, E. A., Spratford, M., Lewis, D., Brennan, M. (2019). Auditory, cognitive, and linguistic factors predict speech recognition in adverse listening conditions for children with hearing loss. *Frontiers in Psychology*, 13, 1093-1104.
17. * Walker, E. A., Sapp, C., Oleson, J., McCreery, R. W. (2019). Longitudinal speech recognition in noise in children: effects of hearing status and vocabulary. *Frontiers in Psychology*, 10, 2421-2433.
18. * Klein, K. E., Redfern, A., Spratford, M., Walker, E. (2019). Effects of Grade and School Services on Children's Responsibility for Hearing Aid Care. *American Journal of Audiology*, 28(3), 673-685.
19. Walker, E. (2019). Evidence-based practices and outcomes for children with mild and unilateral hearing loss. *Language, Speech, and Hearing Services in Schools*, 51(1), 1-4.
20. * Walker, E., Kessler, D., Klein, K., Spratford, M., Oleson, J., Welhaven, A., McCreery, R. (2019). Time-gated Word Recognition in Children: Effects of Auditory Access, Age, and Semantic Context. *Journal of Speech, Language, and Hearing Research*, 62(7), 2519-2534.
21. ** Dunn, C. C., Walker, E. A., Gogel, S., Van Voorst, T., Hansen, M., Gantz, B. J. (2019). Bilateral cochlear implants using two electrode lengths in infants with profound deafness. *Otology and Neurotology*, 40(3), e267-276.

22. * Walker, E. A., Redfern, A., Oleson, J. (2019). Linear Mixed-Model Analysis to Examine Longitudinal Trajectories in Vocabulary Depth and Breadth in Children who are Hard of Hearing. *Journal of Speech, Language, and Hearing Research*, 62(3), 525-542.
23. * Curran, M., Walker, E. A., Roush, P., Spratford, M. (2019). Using Propensity Score Matching to Address Clinical Questions: The Impact of Remote Microphone Systems on Language Outcomes in Children who are Hard of Hearing. *Journal of Speech, Language, and Hearing Research*, 62(3), 564-576.
24. * Klein, K. E., Walker, E. A., Tomblin, J. B. (2019). Nonverbal visual sequential learning in children with cochlear implants: Preliminary Findings. *Ear and Hearing*, 40(1), 213-217.
25. * Walker, E. A., Curran, M., Spratford, M., Roush, P. (2019). Remote microphone systems for preschool-age children who are hard of hearing: Access and utilization. *International Journal of Audiology*, 58(4), 200-207.
26. *** Pimperton, H., Walker, E. A. (2018). Word learning in children with cochlear implants: Examining performance relative to hearing peers and relations with age at implantation. *Ear and Hearing*, 39(5), 980-991.
27. Arenas, R. M., Walker, E. A., Oleson, J. J. (2017). Developmental stuttering in children who are hard of hearing. *Language, Speech, and Hearing Services in Schools*, 48(4), 234-248.
28. * Walker, E. A., Ambrose, S. E., Oleson, J., Moeller, M. P. (2017). False belief development in children who are hard of hearing compared to peers with normal hearing. *Journal of Speech, Language, Hearing Research*, 60(12), 3487-3506.
29. ** Dumanch, K., Holte, L., O'Hollearn, T., Walker, E. A., Clark, J., Oleson, J. (2017). High risk factors associated with early childhood hearing: a three year review. *American Journal of Audiology*, 26, 129-142.
30. McCreery, R. W., Brennan, M., Walker, E. A., Spratford, M. (2017). Perceptual implications of level- and frequency-specific deviations from hearing aid prescription in children. *Journal of the American Academy of Audiology*, 28(9), 861-875.
31. ** Barker, B. A., Donovan, N. J., Schubert, A. D., Walker, E. A. (2017). Using Rasch analysis to examine the item-level psychometrics of the Infant-Toddler Meaning Auditory Integration Scales. *Speech, Language and Hearing*, 20(3), 130-143.
32. ** Klein, K., Walker, E. A., Kirby, B., Spratford, M., McCreery, R. W. (2017). Vocabulary facilitates speech perception in children with hearing aids. *Journal of Speech, Language, and Hearing Research*, 60(8), 2281-2296.
33. * Walker, E. A., McCreery, R. W., Spratford, M., Roush, P. (2016). Children with auditory neuropathy spectrum disorder fitted with hearing aids applying the American Academy of Audiology pediatric amplification guideline: current practice and outcomes. *Journal of the American Academy of Audiology*, (27), 204-218.
34. **** Oleson, J. J., Cavanaugh, J. E., Tomblin, J. B., Walker, E. A., Dunn, C. C. (2016). Combining growth curves when a longitudinal study switches tools. *Statistical methods in medical research*, 25(6), 2925-2938.
35. ** Gantz, B. J., Dunn, C., Walker, E. A., Van Voorst, T., Gogel, S., Hansen, M. (2016). Outcomes of adolescents with a short electrode cochlear implant with preserved residual hearing. *Otology & Neurotology*, (37), e118-e125.
36. * Walker, E. A., Spratford, M., Ambrose, S. E., Holte, L., Oleson, J. (2016). Service delivery to children with mild hearing loss: current practice patterns and parent perceptions. *American Journal of Audiology*, 26, 38-52.
37. ** McCreery, R. W., Walker, E. A., Spratford, M., Kirby, B., Brennan, M. (2016). Stability of audiometric thresholds for children with hearing aids applying the AAA pediatric amplification guidelines: implications for safety. *Journal of the American Academy of Audiology*, (27), 252-263.
38. ** Tomblin, J. B., Harrison, M., Ambrose, S. E., Walker, E. A., Oleson, J. J., Moeller, M. P. (2015). Language outcomes in young children with mild to severe hearing loss. *Ear and hearing*, 36, 76S-91S.
39. ** McCreery, R. W., Walker, E. A., Spratford, M., Bentler, R., Holte, L., Roush, P., Oleson, J., Van Buren, J., Moeller, M. P. (2015). Longitudinal predictors of aided speech audibility in infants and children. *Ear and hearing*, 36, 24S-37S.
40. *** Tomblin, J. B., Walker, E. A., McCreery, R. W., Arenas, R. M., Harrison, M., Moeller, M. P. (2015). Outcomes of children with hearing loss: Data collection and methods. *Ear and hearing*, 36, 14S-23S.
41. ** Ambrose, S. E., Walker, E. A., Unflat-Berry, L. M., Oleson, J. J., Moeller, M. P. (2015). Quantity and quality of caregivers' linguistic input to 18-month and 3-year-old children who are hard of hearing. *Ear and hearing*, 36, 48S-59S.

42. ** McCreery, R. W., Walker, E. A., Spratford, M., Oleson, J., Bentler, R., Holte, L., Roush, P. (2015). Speech recognition and parent ratings from auditory development questionnaires in children who are hard of hearing. *Ear and hearing*, 36, 60S–75S.
43. * Walker, E. A., Holte, L., McCreery, R. W., Spratford, M., Page, T., Moeller, M. P. (2015). The Influence of Hearing Aid Use on Outcomes of Children With Mild Hearing Loss. *Journal of Speech, Language, and Hearing Research*, 58(5), 1611–1625.
44. * Walker, E. A., McCreery, R. W., Spratford, M., Oleson, J. J., Van Buren, J., Bentler, R., Roush, P., Moeller, M. P. (2015). Trends and predictors of longitudinal hearing aid use for children who are hard of hearing. *Ear and hearing*, 36, 38S–47S.
45. * Dunn, C. C., Walker, E. A., Oleson, J., Kenworthy, M., Van Voorst, T., Tomblin, J. B., Ji, H., Kirk, K. I., McMurray, B., Hanson, M., others (2014). Longitudinal speech perception and language performance in pediatric cochlear implant users: the effect of age at implantation. *Ear and hearing*, 35(2), 148.
46. ** Bentler, R., Walker, E., McCreery, R., Arenas, R. M., Roush, P. (2014). Nonlinear Frequency Compression in Hearing Aids: Impact on Speech and Language Development. *Ear and hearing*, 35(4), e143.
47. ** Ambrose, S. E., Berry, L. M. U., Walker, E. A., Harrison, M., Oleson, J., Moeller, M. P. (2014). Speech Sound Production in 2-Year-Olds Who Are Hard of Hearing. *American Journal of Speech-Language Pathology*, 23(2), 91–104.
48. ** Tomblin, J. B., Oleson, J. J., Ambrose, S. E., Walker, E., Moeller, M. P. (2014). The influence of hearing aids on the speech and language development of children with hearing loss. *JAMA Otolaryngology–Head & Neck Surgery*, 140(5), 403–409.
49. * Walker, E. A., Holte, L., Spratford, M., Oleson, J., Welhaven, A., Harrison, M. (2014). Timeliness of Service Delivery for Children With Later-Identified Mild-to-Severe Hearing Loss. *American journal of audiology*, 23(1), 116–128.
50. * Walker, E. A., Spratford, M., Moeller, M. P., Oleson, J., Ou, H., Roush, P., Jacobs, S. (2013). Predictors of hearing aid use time in children with mild-to-severe hearing loss. *Language, Speech, and Hearing Services in Schools*, 44(1), 73–88.
51. **** McGregor, K. K., Licandro, U., Arenas, R., Eden, N., Stiles, D., Bean, A., Walker, E. (2013). Why words are hard for adults with developmental language impairments. *Journal of Speech, Language, and Hearing Research*, 56(6), 1845–1856.
52. * Walker, E. A., McGregor, K. K. (2013). Word learning processes in children with cochlear implants. *Journal of Speech, Language, and Hearing Research*, 56(2), 375–387.
53. ** Holte, L., Walker, E., Oleson, J., Spratford, M., Moeller, M. P., Roush, P., Ou, H., Tomblin, J. B. (2012). Factors influencing follow-up to newborn hearing screening for infants who are hard of hearing. *American Journal of Audiology*, 21(2), 163–174.
54. ** Barker, B. A., Kenworthy, M. H., Walker, E. A. (2011). How we do it: Employment of listening-development criteria during assessment of infants who use cochlear implants. *Cochlear implants international*, 12(1), 57–59.

Non-refereed Articles

1. *** McCreery, R. W., Walker, E. A., Spratford, M. (2015). Understanding Limited Use of Amplification in Infants and Children Who Are Hard of Hearing. *SIG 9 Perspectives on Hearing and Hearing Disorders in Childhood*, 25(1), 15–23.

Books

1. * McCreery, R. W., Walker, E. A. (2017). *Pediatric Amplification: Enhancing Auditory Access*. San Diego, CA: Plural Publishing.

Refereed Book Chapters

1. *** McCreery, R., Walker, E. (2020). Hearing aids and auditory-verbal therapy. *Auditory-verbal therapy for young children with hearing loss and their families, and the practitioners that guide them* (2nd ed.). Plural Publishing.

Book Chapters

1. *** McCreery, R. W., Walker, E. A. (2016). Hearing aids and Auditory-Verbal Therapy. W. Estabrooks,

K. MacIver-Lux, & E. Rhoades (Eds.), *Auditory-Verbal Therapy for young children with hearing loss and their families, and the practitioners who guide them*. Plural Publishing.

2. * Walker, E. A., Tomblin, J. B. (2014). The Influence of Communication Mode on Language Development in Children with Cochlear Implants. M. Marschark, G. Tang, & H. Knoors (Eds.), *Bilingualism and Bilingual Deaf Education* (pp. 134-149). New York, NY: Oxford University Press.

Conference Proceeding

1. ** McCreery, R. W., Walker, E. (2018). *The Binaural Brain: How it Perceives Language and Challenges to Auditory Processing* (1-2 ed., vol. 118, pp. 127-189). The Volta Review.
2. ** Moeller, M. P., Walker, E. A., Spratford, M., McCreery, R. W., Ambrose, S. E., Tomblin, J. B. (2017). Influences of auditory experience on the outcomes of children with hearing aids: ACCESS matters. *A Sound Foundation Through Early Amplification: Proceedings of the 2016 International Conference*. Chicago, IL: Phonak AG.
3. *** McCreery, R. W., Walker, E. A., Spratford, M. (2015). Are we on target with our pediatric hearing aid fittings? *A Sound Foundation Through Early Amplification: Proceedings of the 2013 International Conference*. Chicago, IL: Phonak AG.
4. ** Gantz, B. J., Dunn, C. C., Walker, E. A., Kenworthy, M., Van Voorst, T., Tomblin, B., Turner, C. (2010). *Bilateral cochlear implants in infants: a new approach—Nucleus Hybrid S12 project* (8th ed., vol. 31, pp. 1300). *Otology & Neurotology*.
5. * Walker, E. A., Bass-Ringdahl, S. (2008). *Babbling complexity and its relationship to speech and language outcomes in children with cochlear implants* (2nd ed., vol. 29, pp. 225–229). *Otology & Neurotology*.

Newsletter

1. * Walker, E. A. (2009). Cochlear implants and children: a brief overview. *Perspectives on Hearing and Hearing Disorders in Children* (pp. 1-5). Iowa: Iowa EHDI Newsletter.

Magazine/Trade Publication

1. * English, K., Walker, E., Farah, K., Munoz, K., Pelosi, A., Scarinci, N., DesGeorges, J., Aungst, H., Madell, J., Moeller, M. P., Marriage, J., Flexer, C., Jones, C. (2017). *Implementing family-centered care in early intervention for children with hearing loss: Engaging parents with a question prompt list (QPL)* (11th ed., vol. 24, pp. 12-18). *The Hearing Review*.

Letter to the editor

1. ** McCreery, R. W., Walker, E. A., Tomblin, J. B., Oleson, J., Ambrose, S. A., Moeller, M. P. (2018). *Mild hearing loss is a developmental risk: Response to Carew and colleagues* (6th ed., vol. 44, pp. 926-927). *Child: Care, Health, and Development*.

Publications In Progress

Journal Article

- | | |
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| 2020 | <i>A Comparison of Different Measures for Evaluating Listening Effort in School-Age Children</i> |
| 2020 | <i>Effects of Amplification on Listening Effort in Children who are Hard of Hearing</i> |
| 2020 | <i>Irony Understanding in School Age Children who are Hard of Hearing</i> |
| 2020 | <i>Spontaneous and retell narratives in children who are hard of hearing and children with normal hearing</i> |

Areas of Research Interest

Pediatric aural habilitation

Grants and Contracts

Funded

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| Jul 2021 - Jun 2026 | <i>Factors associated with Reading Comprehension in Adolescents who are Hard of Hearing</i>
Funded by National Institute on Deafness and Other Communication Disorders. |
|---------------------|--|

- Aug 2020 - Jul 2025 *Developing evidence-based clinical tools for managing mild hearing loss in children R01DC018330*
 Percent effort: 25. Investigator/s Elizabeth Walker (Principal Investigator).
 Funded by NIH-NIDCD. Award amount: (\$3,741,387.00) Percent effort: 15.
 Investigator/s Ryan McCreery (Principal Investigator), Elizabeth Walker (Co-Investigator).
- Aug 2019 - Jul 2024 *Complex Listening Skills in School-Age Children who are Hard of Hearing*
 Funded by NIH-NIDCD. Percent effort: 15. Investigator/s Ryan McCreery (Principal Investigator), Elizabeth Walker (Co-Investigator).
- Jul 2019 - Jun 2020 *Neural Correlates of Semantic Memory Structure in Children who are Hard of Hearing*
 Funded by Hearing Health Foundation. Investigator/s Kristi Hendrickson (Principal Investigator), Elizabeth Walker (Co-Investigator).

Currently Under Review

Specialized training in aural (re)habilitation
 Funded by Department of Education. Percent effort: 5. Investigator/s Elizabeth Walker (Principal Investigator).

Completed

- Sep 2018 - Aug 2020 *Real-time lexical and semantic processing in deaf and hard of hearing children IF30DC017638-01*
 Funded by National Institute for Deafness and Communication Disorders. Percent effort: 0. Investigator/s Kelsey Klein (Principal Investigator), Elizabeth Walker (Senior Personnel), Bob McMurray (Senior Personnel), Carolyn Brown (Senior Personnel).
- Jul 2017 - Jun 2020 *Mechanisms of listening effort in school-age children who are hard of hearing*
 Funded by National Institute for Deafness and Communication Disorders. Award amount: (\$459,059.00) Percent effort: 30. Investigator/s Elizabeth Walker (Principal Investigator).
- Nov 2016 - Jul 2019 *Investigating links between non-linguistic learning processes and grammar skills in children with cochlear implants*
 Funded by American Speech-Language-Hearing Foundation. Award amount: (\$75,000.00). Investigator/s Elizabeth Walker (Principal Investigator).
- Jan 2018 - Dec 2018 *Hearing conservation education and intervention for local high school marching band*
 Funded by DeLTA Center. Award amount: (\$1,300.00). Investigator/s Kelsey Klein (Principal Investigator), Elizabeth Walker (Director).
- Dec 2013 - Nov 2018 *Complex Listening Skills in School-Age Children who are Hard of Hearing R01 DC013591*
 Funded by NIH/NIDCD. Award amount: (\$1,882,030.00). Investigator/s Ryan McCreery (Principal Investigator), Elizabeth Walker (Investigator), Mary Pat Moeller (Investigator), Ruth Bentler (Investigator), Jacob Oleson (Statistician).
- Aug 2013 - Jul 2018 *Outcomes of School-Age Children who are Hard of Hearing R01 DC009560*
 Funded by NIH/NIDCD. Award amount: (\$4,593,872.00). Investigator/s James Bruce Tomblin (Co-Principal), Mary Pat Moeller (Co-Principal), Elizabeth Walker (Investigator), Sophie Ambrose (Investigator), Melody Harrison (Investigator).
- May 2012 - Jan 2017 *Iowa Cochlear Implant Clinical Research Center Project VI - Developmental Studies of Children P50 DC00242-26A1*
 Funded by NIH/NIDCD. Award amount: (\$11,149,182.00). Investigator/s Bruce Gantz (Principal Investigator), Elizabeth Walker (Investigator), Camille Dunn (Co-Principal), James Bruce Tomblin (Co-Principal).
- Jun 2016 - Jul 2016 *The influence of age at implantation on sequential learning processes in children with cochlear implants*
 Funded by 2015 Obermann Center for Advanced Studies. Award amount: (\$4,000.00).
- Jun 2014 - Jul 2015 *The impact of age at implantation on language learning ability in profoundly deaf children with cochlear implants SG131650*

Funded by British Academy. Investigator/s Hannah Pimperton (Principal Investigator), Elizabeth Walker (Investigator).
 Jan 2006 - Dec 2011 *Iowa Cochlear Implant Clinical Research Center V - Developmental Studies Section P50 DC00242*
 Funded by NIH/NIDCD. Investigator/s Bruce Gantz (Principal Investigator), Elizabeth Walker (Supporting).

Not Funded

Individual differences in auditory and language brain networks in children who are hard of hearing: Associations with cumulative auditory experience
 Funded by National Institute for Deafness and Communication Disorders. Investigator/s James Bruce Tomblin (Co-Principal), Anthony Dick (Co-Principal), Elizabeth Walker (Co-Investigator), Inyong Choi (Co-Investigator), Kristi Hendrickson (Co-Investigator).
Development and plasticity in normal and impaired ears
 Funded by NIH-NIDCD. Investigator/s Emily Buss (Principal Investigator).
Auditory and cognitive sources of persisting language delay in adolescents and young adults receiving cochlear implants in early childhood
 Percent effort: 20. Investigator/s Lisa S Davidson (Principal Investigator), Elizabeth Walker (Co-Investigator).

Invited Lectures and Conference Presentations

Department - Grand Rounds

2019 Oto Grand Rounds, *Mild Hearing Loss: A Case of Clinical Equipoise*, Department of Otolaryngology, Iowa City, Iowa, United States Presenters/Authors: Walker, Elizabeth

International - Conference Presentation

2014 HEaring Across the Lifespan, *Progression of hearing loss in infants and children*, HEaring Across the Lifespan, Cernobbio, Italy Peer-Reviewed/Refereed Presenters/Authors: McCreery, R, Walker, E A, Spratford, M, Roush, P, Fernau, K
 2014 HEaring Across the Lifespan, *The effect of hearing aid use on outcomes of children with mild bilateral hearing loss*, HEaring Across the Lifespan, Cernobbio, Italy Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Holte, L, McCreery, R, Spratford, M
 2014 HEaring Across the Lifespan, *Using Rasch Analysis to Examine the Item-Level Psychometrics of the Infant-Toddler Meaningful Auditory Integration Scales*, HEaring Across the Lifespan, Cernobbio, Italy Peer-Reviewed/Refereed Presenters/Authors: Barker, B A, Donovan, N J, Schubert, A E, Walker, E A

International - Invited Lecture

2019 Canadian Academy of Audiology, *Influence of Auditory Experience on the Outcomes of Children with Hearing Aids: Auditory Access Matters*, Halifax, Canada Presenters/Authors: Walker, Elizabeth
 2019 Canadian Academy of Audiology, *Remote Microphone Systems for Preschool-Age Children who are Hard of Hearing: Access, Utilization, and Impact on Language Acquisition*, Halifax, Canada Presenters/Authors: Walker, Elizabeth
 2019 Sixth European Pediatric Conference "Current Developments and New Directions in Pediatric Audiology", *Complex Listening in Children with Hearing Loss: Effects of Auditory Access, Language, and Cognitive Abilities*, Munich, Germany Presenters/Authors: Walker, E
 2018 American Speech-Language Hearing Association Annual Convention, *Securing your first NIH R grant (R21 Early Career Awards)*, Boston, Massachusetts, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth
 2018 World Congress of Audiology, *Implementing effective family-centered practice in pediatric audiological management: Use of a Question Prompt List with Parents of children with hearing loss*, Cape Town, South Africa Peer-Reviewed/Refereed

- Presenters/Authors: Walker, Elizabeth
- 2018 Phonak Virtual Conference: Roger for Young Children, *RM Systems for children who are hard of hearing: Access, Utilization, and Impact on Language Acquisition*, Phonak Sonova Presenters/Authors: Walker, Elizabeth
- 2018 5th Latin America Pediatric Conference, *Influence of auditory experience on the outcomes of children who are hard of hearing: Access Matters*, Mexico City, Mexico Presenters/Authors: Walker, Elizabeth
- 2017 Phonak Pediatric Mini-Symposium, *Impact of well-fit hearing aids on early language development*, Phonak, Utrecht, Netherlands Presenters/Authors: Walker, Elizabeth
- 2017 Amplifying best practices in audiology, *Maximizing outcomes for children with hearing loss: results from a longitudinal study*, Phonak, Beijing Presenters/Authors: Walker, Elizabeth
- 2016 Geers Foundation, *Children who are hard of hearing: Still forgotten?*, Geers Foundation, Berlin, Germany Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2015 Alberta College of Speech-Language Pathologists and Audiologists Annual Meeting, *Outcomes of children with hearing loss: Results from a multicenter, longitudinal study*, Alberta College of Speech-Language Pathologists and Audiologists, Alberta, Canada Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2015 British Columbia Early Hearing Program, *Outcomes of children with hearing loss: Results from a multicenter, longitudinal study*, British Columbia Early Hearing Program, Vancouver, Canada Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2015 Latin America Pediatric Conference, *Understanding early communication outcomes in children who are hard of hearing*, Phonak, Sao Paulo, Brazil Peer-Reviewed/Refereed Presenters/Authors: Walker, E A

International - Keynote/Plenary Address

- 2015 Alberta College of Speech-Language Pathologists and Audiologists Annual Meeting, *Outcomes of children with hearing loss: Results from a multicenter, longitudinal study*, Alberta College of Speech-Language Pathologists and Audiologists, Edmonton, Canada Peer-Reviewed/Refereed Presenters/Authors: Walker, E A

International - Other

- 2015 Ear Foundation Virtual Conference, *The influence of hearing aid use on outcomes of children with mild hearing loss*, Ear Foundation, Nottingham, United Kingdom Peer-Reviewed/Refereed Presenters/Authors: Walker, E A

International - Panel

- 2017 International Association for the Study of Child Language, *Narrative performance in school-age children who are hard of hearing*, Lyon, France Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth

International - Poster

- 2018 American Speech-Language Hearing Association Annual Convention, *Comparing teacher reports, student participation, and objective classroom acoustic measures in children with hearing loss*, Boston, Massachusetts, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Dallapiazza, Margaret, Spratford, Meredith Student Presenters/Authors: Ponturiero, Kristen
- 2018 American Speech-Language Hearing Association Annual Convention, *Effects of Hearing Aid Use and Background Noise on Listening Effort in Children who are Hard of Hearing*, Boston, Massachusetts, United States Peer-Reviewed/Refereed Presenters/Authors: Dallapiazza, Margaret, Walker, Elizabeth Student Presenters/Authors: Sapp, Caitlin, Tatge, Bailey
- 2018 American Speech-Language Hearing Association Annual Convention, *Narrative skills in school-age children who are hard of hearing*, Bost, Massachusetts, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth Student Presenters/Authors: Gabel, Kathryn

- 2018 American Speech-Language Hearing Association Annual Convention, *Nonverbal visual sequential learning in children with cochlear implants*, Boston, Massachusetts, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Dallapiazza, Margaret Student Presenters/Authors: Klein, Kelsey, Shymanski, Jeffrey
- 2017 American, *Auditory access and behavioral outcomes for children with hearing loss*, Scottsdale, United States Peer-Reviewed/Refereed Presenters/Authors: Mollak, Clairissa, Walker, Elizabeth, Spratford, Meredith, McCreery, Ryan
- 2012 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, *Predictors in daily amplification use in children with cochlear implants or hearing aids*, International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Baltimore, Maryland, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Walters, K, Dunn, C
- 2008 The 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, *Discrimination of Native and Non-Native Phoneme Contrasts in Pediatric Cochlear-Implant Users*, Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, California, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, McMurray, B, Tomblin, J B Student Presenters/Authors: Galle, M E
- 2008 The 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, *Do Pediatric Cochlear-Implant Users Show Preferences for the Rhythm Properties of English?*, Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, California, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Barker, B A, Galle, M, McMurray, B, Tomblin, J B
- 2008 The 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, *Preferences for Infant-Directed Speech Versus Adult-Directed Speech in Pediatric Cochlear-Implant Users*, Conference on Cochlear Implants and Other Implantable Auditory Technologies, San Diego, California, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Galle, M, McMurray, M, Barker, B A, Tomblin, J B

International - Other

- 2016 Phonak, *Outcomes of children with hearing loss: speech perception results from a multicenter, longitudinal study*, Phonak Presenters/Authors: Walker, E A

International - Workshop

- 2018 American Speech-Language Hearing Association Annual Convention, *Hands-on Lab: Embracing Technology and Innovation for Providers working with Children with Hearing Loss*, Boston, Massachusetts, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Vereb, Anita, Smiley, Donna, Stiles, Derek, Childress, Tina, McNeice, Calub

Local - Continuing Education Talks

- 2018 SNRP Theory of Mind Workshop, *Theory of mind development in Children who are hard of hearing: Understanding False Belief*, Lincoln Public Schools, Lincoln, Nebraska, United States Presenters/Authors: Walker, Elizabeth

Local - Other

- 2009 Spencer, IA School District, *Listening with a cochlear implant*, Spencer, IA School District, Spencer, Iowa, United States Presenters/Authors: Walker, E A
- 2009 Lions Club International, *University of Iowa Cochlear Implant Clinical Research Program*, Lions Club International, United States Presenters/Authors: Walker, E A

Local - Invited Lecture

- 2012 Annual Meeting for Itinerant Teachers of the Deaf/Hard of Hearing, *Outcomes of children with hearing loss (OCHL) update*, PITSTOP, Johnston, Iowa, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A

National - Conference Presentation

- 2019 American Speech and Hearing Association, *Factors that Exacerbate or Ameliorate Listening Effort in Children who are Hard of Hearing*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Picou, Erin
- 2019 American Speech and Hearing Association, *Getting the Word Out: How the Ten-Year OCHL Study Retained Participants and Engaged Professionals*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Spratford, Meredith, Walker, Elizabeth
- 2019 American Speech and Hearing Association, *Real-time lexical and semantic processing in children with hearing aids and cochlear implants*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Klein, Kelsey, Walker, Elizabeth, McMurray, Bob
- 2019 Early Hearing Detection and Intervention Annual meeting, *Narrative skills in school-age children who are hard of hearing*, Chicago, Illinois Presenters/Authors: Walker, E A
- 2017 American Academy of Audiology Conference, *FM systems for preschoolers who are hard of hearing: Access and Impact on Language Acquisition*, Indianapolis, Indiana, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Spratford, Meredith, Curran, Maura, Roush, Patricia
- 2016 American Speech-Language Hearing Association Conference, *Factors influencing duration of intervention for children who are hard of hearing*, American Speech-Language Hearing Association, Philadelphia, Pennsylvania, United States Peer-Reviewed/Refereed Presenters/Authors: Page, T, Walker, E, Harrison, M, Redfern, A
- 2016 American Speech-Language Hearing Association Conference, *Home & school FM use for children who are hard of hearing*, American Speech-Language Hearing Association, Philadelphia, Pennsylvania, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E, Curran, M, Spratford, M, Roush, P
- 2016 American Speech-Language Hearing Association Conference, *Individualized education program goals & academic need congruence in children who are hard of hearing*, American Speech-Language Hearing Association, Philadelphia, Pennsylvania, United States Peer-Reviewed/Refereed Presenters/Authors: Redfern, A, Walker, E, Page, T
- 2016 American Speech-Language Hearing Association Conference, *Psychosocial outcomes and temperament of toddlers and preschoolers who are hard of hearing*, American Speech-Language Hearing Association, Philadelphia, Pennsylvania, United States Peer-Reviewed/Refereed Presenters/Authors: Ambrose, S, Walker, E, Knutson, J, McCreery, R, Spratford, M, Oleson, J, Moeller, M P
- 2016 British Cochlear Implant Group Conference, *Word learning in children with cochlear implants: does age at implant matter?*, British Cochlear Implant Group, London, United Kingdom Peer-Reviewed/Refereed Presenters/Authors: Pimperton, H, Walker, E
- 2016 American Auditory Society, *Sentence Recognition in Noise and Reverberation for Children with Hearing Aids*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: McCreery, R, Walker, E, Kirby, B, Spratford, M, Brennan, M
- 2015 The American Speech, Language, Hearing Association, *Technology 101: A Hands-On Workshop for Supporting Optimal Outcomes of Children Who Have Hearing Loss*, The American Speech, Language, Hearing Association, Denver, Colorado, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E, Spratford, M, Cannon, L, Ambrose, S, Page, T, Wallace, A, Donaldson, L
- 2014 The 14th Pediatric Cochlear Implant Conference, *Outcomes of Children With Hearing Loss: Results from a Multicenter, Longitudinal Study*, Pediatric Cochlear Implant Conference, Nashville, Tennessee, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Moeller, M P, Tomblin, J B, Dunn, C C
- 2014 14th Pediatric Cochlear Implant Conference, *The influence of age at implantation on novel word learning in children with cochlear implants*, Pediatric Cochlear Implant Conference, Nashville, Tennessee, United States Peer-Reviewed/Refereed

- Presenters/Authors: Walker, E A, Pimperton, H
- 2014 The 14th Pediatric Cochlear Implant Conference, *The Use of the Cochlear Nucleus Hybrid L24 in Adolescents*, Pediatric Cochlear Implant Conference, Nashville, Tennessee, United States Peer-Reviewed/Refereed Presenters/Authors: Dunn, C, Walker, E A, VanVoorst, T, Gogel, S, Hanson, M, Grantz, B J
- 2014 American Academy of Audiology Conference, *Mild Hearing Loss: Re-examining children's needs*, American Academy of Audiology, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Spratford, M, Walker, E A
- 2013 American Auditory Society, *Frequency compression hearing aids: Impact on speech and language development*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Bentler, R, Walker, E A, McCreery, R, Arenas, R, Roush, P
- 2011 The 13th Symposium on Cochlear Implants in Children, *Long-Term Speech and Language Performance for Children with Cochlear Implants*, Symposium on Cochlear Implants in Children, Chicago, Illinois, United States Peer-Reviewed/Refereed Presenters/Authors: Dunn, C, Walker, E, Etler, C, Kenworthy, M, VanVoorst, T, Tomblin, J B, Brown, C, Abbas, P, Oleson, J J, Gantz, B
- 2011 The 13th Symposium on Cochlear Implants in Children, *Word Learning Processes in Children with Cochlear Implants*, Symposium on Cochlear Implants in Children, Chicago, Illinois, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, McGregor, K K
- 2010 American Speech-Language-Hearing Association Meeting, *Life After the Dissertation: Pathways to Success*, American Speech-Language-Hearing Association, Philadelphia, Pennsylvania, United States Peer-Reviewed/Refereed Presenters/Authors: Stiles, D, Bean, A, Walker, E
- 2009 American Speech-Language-Hearing Association Meeting, *Long-Term Speech and Language Performance for Children with Cochlear Implants*, American Speech-Language-Hearing Association, New Orleans, Louisiana, United States Peer-Reviewed/Refereed Presenters/Authors: Dunn, C C, Walker, E A
- 2009 American Speech-Language-Hearing Association Meeting, *Word Learning Processes in Children with Cochlear Implants*, American Speech-Language-Hearing Association, New Orleans, Louisiana, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, McGregor, K K
- 2007 The 11th Annual Conference on Cochlear Implants in Children, *Babbling Complexity and its Relation to Speech and Language Outcomes in Children with Cochlear Implants*, Conference on Cochlear Implants in Children, Charlotte, North Carolina, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Bass-Ringdahl, S M
- 2007 The 11th Annual Conference on Cochlear Implants in Children, *Exploring Receptive and Expressive Language Patterns in Children with Cochlear Implants*, Conference on Cochlear Implants in Children, Charlotte, North Carolina, United States Peer-Reviewed/Refereed Presenters/Authors: Barker, B B, Walker, E A
- 2006 American Speech-Language-Hearing Association Meeting, *Babbling Complexity and its Relation to Speech and Language Outcomes in Children with Cochlear Implants*, American Speech-Language-Hearing Association, Miami, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Bass-Ringdahl, S M

National - Other

- 2014 Phonak Certified Pediatric Training for Hearing Care Professionals, *Early speech and language development and assessment for children who are deaf/hard of hearing*, Phonak Certified Pediatric Training for Hearing Care Professionals Peer-Reviewed/Refereed Presenters/Authors: Walker, E A

National - Invited Lecture

- 2017 Educational Audiology Association Annual Convention, *Risk and Resilience in Children who are Hard of Hearing*, Educational Audiology Association, Scottsdale, United States Presenters/Authors: Walker, Elizabeth

- 2017 Student Academy of Audiology, *Maximizing outcomes for children who are hard of hearing*, Indianapolis, Illinois, United States Presenters/Authors: Walker, Elizabeth
- 2015 Frontiers in Hearing Pre-conference, *Pediatric database standardization for hearing aids*, Centers for Disease Control, Vail, Colorado, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2015 Audiology Now, *Outcomes of children with hearing loss*, American Academy of Audiology, San Antonio, Texas, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, McCreery, R W
- 2014 American Speech-Language-Hearing Association Convention, *Audiologists and Speech-language pathology: Collaborating in Management of Young Children With Hearing Loss*, American Speech-Language-Hearing Association, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Spratford, M, Harrison, M
- 2013 American Speech-Language-Hearing Association Convention, *Expanding the horizons of research on developmental language disorders: A seminar illustrating Bruce Tomblin's work*, American Speech-Language-Hearing Association, Chicago, Illinois, United States Peer-Reviewed/Refereed Presenters/Authors: Moeller, M P, Ambrose, S E, Walker, E A
- 2012 American Speech-Language-Hearing Association Convention, *Outcomes of children with mild-severe hearing loss: Year 3*, American Speech-Language-Hearing Association, Atlanta, Georgia, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Ambrose, S E, Page, T A

National - Other

- 2016 ASHA Audiology 2016: Collaborative strategies for students with hearing loss online conference, *Enhancing cumulative auditory experiences for children who wear hearing aids*, ASHA Presenters/Authors: McCreery, R W, Walker, E A

National - Poster

- 2019 American Speech and Hearing Association, *Competitive Learning Processes: The Role of Verbal Mediation in Sequential Learning*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth Student Presenters/Authors: Shymaski, Jeffrey
- 2019 American Speech and Hearing Association, *Longitudinal Time to Event Analysis of Time-Gating Word Recognition in Children who are Hard of Hearing*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Dallapiazza, Margaret, Spratford, Meredith, Oleson, Jacob, McCreery, Ryan Student Presenters/Authors: Vaughn, Haley
- 2019 American Speech and Hearing Association, *Question Asking During Conversational Interactions in School-age Children with Hearing Loss*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth Student Presenters/Authors: Nelson, Caitlin
- 2019 American Speech and Hearing Association, *The Dynamics of Spoken Word Recognition in the Presence of Soft Speech*, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Hendrickson, Kristi Student Presenters/Authors: Spinelli, Jessica
- 2017 American Speech-Language Hearing Association Annual Convention, *Beyond breadth: Diving into depth of vocabulary knowledge in children who are hard of hearing*, American Speech-Language-Hearing Association, Los Angeles, California, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Oleson, Jacob Student Presenters/Authors: Redfern, Alexandra
- 2017 American Speech-Language Hearing Association Annual Convention, *Equated-level vs equated-performance dual task procedures to evaluate listening effort in children*, Los Angeles, California, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth, Wu, Yu-Hsiang Student Presenters/Authors: Tatge, Bailey
- 2017 American Speech-Language Hearing Association Annual Convention, *The use of filled pauses in children who are hard of hearing across discourse context*, American

- Speech-Language-Hearing Association, Los Angeles, California, United States
Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth Student
Presenters/Authors: Smith, Lena
- 2017 American Academy of Audiology Conference, *Hearing aid maintenance and responsibility trends in school-age children who are hard of hearing*, Indianapolis, Illinois, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth Student Presenters/Authors: Klein, Kelsey
- 2016 American Speech-Language Hearing Association Annual Convention, *The incidence and prevalence of stuttering in children who are hard of hearing*, American Speech-Language Hearing Association, Philadelphia, Pennsylvania, United States Peer-Reviewed/Refereed Presenters/Authors: Arenas, R, Walker, E A, Oleson, J
- 2016 American Auditory Society, *Does Sentence Predictability Influence Word Identification in School-Age Children?*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E, Spratford, M, McCreery, R W, Oleson, J Student Presenters/Authors: Kessler, D
- 2016 American Auditory Society, *Predictors of Teacher and Student Perception of Classroom Listening Ability*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Spratford, M, McCreery, R W, Walker, E A
- 2016 American Auditory Society, *Vocabulary Facilitates Speech Perception in Children with Hearing Aids*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Kirby, B, Spratford, M, McCreery, R W Student Presenters/Authors: Klein, K
- 2015 The American Speech, Language, Hearing Association, *Predictors of Special Education Services in Children Who Are Hard of Hearing*, The American Speech, Language, Hearing Association, Denver, Colorado, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A Student Presenters/Authors: Kreiter, H
- 2015 American Cochlear Implant Alliance, *An Examination of Parent-Report and Data Logging Measures of Daily Cochlear Implant Use in Children*, American Cochlear Implant Alliance, Washington, District of Columbia, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, VanVoorst, T, Gogel, S, Dunn, C C
- 2015 American Auditory Society, *Predictors of Gating Performance for Children with Hearing Loss*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Spratford, M, McCreery, R W, Oleson, J
- 2014 14th Pediatric Cochlear Implant Conference, *Measuring amounts of daily cochlear implant use in pediatric recipients using parent report and objective data logging measures*, Pediatric Cochlear Implant Conference, Nashville, Tennessee, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, VanVoorst, T, Gogel, S, Dunn, C C
- 2014 The American Speech, Language, Hearing Association, *Factors that Predict Theory of Mind in School-Age Children Who Are Hard of Hearing*, The American Speech, Language, Hearing Association, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Moeller, M P Student Presenters/Authors: Bricker, L
- 2014 The American Speech, Language, Hearing Association, *Narrative Performance in Children Who Are Hard of Hearing*, The American Speech, Language, Hearing Association, Orlando, Florida, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Moeller, M P Student Presenters/Authors: Raupp, R
- 2013 American Auditory Society, *Aided speech recognition in noise for children with hearing loss*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: McCreery, R, Walker, E A, Spratford, M, Hatala, E, Jacobs, S
- 2013 American Auditory Society, *Timeliness of service provision for late-identified children*

- with hearing loss, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Holte, L, Spratford, M, Oleson, J, Harrison, M
- 2012 American Auditory Society, *Predictors of hearing aid use time in children with hearing loss*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Spratford, M, Moeller, M P, Oleson, J, Roush, P, Jacobs, S
- 2012 American Auditory Society, *Timing of Diagnosis and Intervention for Children with Hearing Loss*, American Auditory Society, Scottsdale, Arizona, United States Peer-Reviewed/Refereed Presenters/Authors: Holte, L, Walker, E, Oleson, J, Spratford, M, Roush, P, Moeller, M P
- 2011 The 13th Symposium on Cochlear Implants in Children, *Bilateral CIs in Children: a New Approach-Hybrid S12 Project*, Symposium on Cochlear Implants in Children, Chicago, Illinois, United States Peer-Reviewed/Refereed Presenters/Authors: Dunn, C, VanVoorst, T, Walker, E, Gogel, S
- 2011 Symposium on Research in Child Language Disorders, *Factors Influencing Morphosyntactic Development in Children with Mild to Severe Hearing Loss*, Symposium on Research in Child Language Disorders, Madison, Wisconsin, United States Peer-Reviewed/Refereed Presenters/Authors: Ambrose, S A, Walker, E A, Moeller, M P, Tomblin, J B
- 2005 American Speech-Language-Hearing Association Meeting, *Investigating Adult Responsiveness in a Single-Subject Design*, American Speech-Language-Hearing Association, San Diego, California, United States Peer-Reviewed/Refereed Presenters/Authors: Collison, E A, Bass-Ringdahl, S M, Ringdahl, J E

Regional - Invited Lecture

- 2020 Revolutions in Pediatric Audiology, *Factors that Support Listening and Listening Effort in Complex Environments for Children*, Boston Children's Hospital, Boston, Massachusetts, United States Presenters/Authors: Walker, Elizabeth
- 2018 Mid South Conference on Communicative Disorders, *Effects of Amplification on Outcomes of Children with Mild to Severe Hearing Loss: The Outcomes of Children with Hearing Loss Study*, Memphis, Tennessee, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, Elizabeth
- 2017 Upper Midwest Audiology Conference, *Outcomes of children with hearing loss: Results from a multicenter, longitudinal study*, Minnesota Academy of Audiology, Minneapolis, Minnesota, United States Presenters/Authors: Walker, Elizabeth
- 2016 Nationwide Children's Audiology Conference, *Outcomes of children with hearing loss: speech perception results from a multicenter, longitudinal study*, Columbus, Ohio, United States Presenters/Authors: Walker, E A

Regional - Keynote/Plenary Address

- 2021 Pediatric Audiology: Nothing Mild about Mild Hearing Loss, *Mild Hearing Loss: Diagnosis and Management*, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania, United States Presenters/Authors: Walker, Elizabeth

Regional - Poster

- 2012 Symposium on Research in Child Language Disorders, *Phonological Outcomes of Toddlers with Mild to Severe Hearing Loss*, Symposium on Research in Child Language Disorders, Madison, Wisconsin, United States Peer-Reviewed/Refereed Presenters/Authors: Unflat-Berry, L, Ambrose, S E, Walker, E, Harrison, M, Moeller, M P
- 2009 Symposium on Research in Child Language Disorders, *Comparison of Gesture Production in Infants with Hearing Loss and Their Age-Matched Peers*, Symposium on Research in Child Language Disorders, Madison, Wisconsin, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A, Bean, A

State - Other

- 2008 Iowa Deaf Education Council, *Cochlear Implants and Children; an Update on*

Long-term Language Outcomes, Iowa Deaf Education Council, Iowa, United States

Presenters/Authors: Walker, E A

- 2008 Iowa Vocational Rehabilitation Services, *Cochlear Implants in Children*, Iowa Vocational Rehabilitation Services, Iowa, United States Presenters/Authors: Walker, E A

State - Invited Lecture

- 2019 Ohio School Speech Pathology and Educational Audiology Coalition, *Optimizing Outcomes for Children who are Hard of Hearing: Results from the Outcomes of Children with Hearing Loss Study*, Columbus, Ohio, United States Presenters/Authors: Walker, Elizabeth
- 2017 Iowa Speech and Hearing Association, *FM systems in the classroom*, Des Moines, Iowa, United States Presenters/Authors: Walker, Elizabeth
- 2017 Arkansas Speech and Hearing Association, *Influence of auditory experience on the outcomes of children who are hard of hearing: Auditory Access Matters*, Hot Springs, Arkansas, United States Presenters/Authors: Walker, Elizabeth
- 2017 Arkansas Speech and Hearing Association, *Psychosocial and theory of mind development in children who are hard of hearing*, Hot Springs, Arkansas, United States Presenters/Authors: Walker, Elizabeth
- 2017 Illinois Speech-Language-Hearing Association, *Outcomes of children with hearing loss: effects of auditory experience*, Illinois Speech-Language-Hearing Association, Chicago, Illinois, United States Presenters/Authors: Walker, Elizabeth
- 2015 Oregon Academy of Audiology, *Outcomes of children with hearing loss: Results from a multicenter, longitudinal study*, Oregon Academy of Audiology, Lincoln City, Oregon, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2014 Iowa Speech and Hearing Association, *Outcomes of children with hearing loss study*, Iowa Speech and Hearing Association, Coralville, Iowa, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2014 Wyoming Speech and Hearing Association, *Outcomes of children with hearing loss study*, Wyoming Speech and Hearing Association, Casper, Wyoming, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A
- 2013 South Dakota Speech and Hearing Association, *Outcomes of children with hearing loss study*, South Dakota Speech and Hearing Association, Sioux Falls, South Dakota, United States Peer-Reviewed/Refereed Presenters/Authors: Walker, E A

State - Keynote/Plenary Address

- 2017 Minnesota Collaborative Experience conference, *Longitudinal study: Outcomes for children with Hearing Loss*, Breezy Point, Minnesota, United States Presenters/Authors: Walker, Elizabeth

State - Poster

- 2014 Iowa Speech and Hearing Association, *An Update on the Iowa Early Hearing Detection and Intervention Program*, Iowa Speech and Hearing Association, Iowa City, Iowa, United States Peer-Reviewed/Refereed Presenters/Authors: O'Hollearn, T, Holte, L, Watson, G, Walker, E

SERVICE

Profession

- 2020 - Present AAO-HNSF Tympanostomy Tubes in Children Clinical Practice Guideline Update Panel, Expert Panel
- 2020 - Present American Speech-Language-Hearing Association, Special Interest Group 9: Hearing and Hearing Disorders in Childhood, Coordinating Committee
- 2020 - Present Ear and Hearing, Audiology and Auditory Disorders, Editor, Assistant/Co-Editor
- 2020 - Present Journal of Speech, Language, Hearing Research, Hearing, Editorial Board
- 2019 - Present American Speech-Language-Hearing Association, Language, Speech, and Hearing Services in Schools, Editor, Assistant/Co-Editor

2019 - Present	American Speech-Language-Hearing Association, Aligned Sense of Purpose committee, Member
2018 - Present	American Speech-Language-Hearing Association, Mentoring Academic-Research Careers (MARC), Mentor
2017 - Present	Phonak, Pediatric Family-Centered Care Expert Panel, Expert Panel
2021 - 2024	American Speech-Language-Hearing Association, Audiology At Large, Board of Directors
2020	American Speech-Language-Hearing Association, ASH Foundation 2020 Graduate Student Scholarship, Reviewer
2020	American Auditory Society, Conference abstract reviews, Reviewer
2019	International Journal of Audiology, Reviewer, Publications
2018 - 2019	American Speech-Language-Hearing Association, ASHA Practice Portal on Classroom Acoustics, Reviewer
2018 - 2019	American Speech-Language-Hearing Association, Listening, Language, and Speech in the Deaf and Hard of Hearing Birth to School Transition, Co-Chair
2019	Plural Publishing, Reviewer, Publications
2019	International Journal of Audiology, Reviewer, Publications
2018 - 2019	International Journal of Audiology, Reviewer, Publications, 5 manuscript reviews in 2018
2018 - 2019	Journal of Communication Disorders, Reviewer, Publications, 1 manuscript review in 2018
2018 - 2019	Journal of Speech, Language, and Hearing Research, Reviewer, Publications, Four reviews in 2018
2015 - 2018	Pediatrics, Reviewer, Publications
2008 - 2018	Ear and Hearing, Reviewer, Publications, 16 manuscripts reviewed between 2008-2018
2018	American Speech-Language-Hearing Association, PROMoting the Next GENERation of Researchers (PROGENY), Conference-Related
2018	American Speech-Language-Hearing Association, Topic Committee member: Academic and clinical education, Member
2018	American Speech and Hearing Foundation, Reviewer, Grant Proposals
2008 - 2018	AG Bell of Iowa, Public Relations
2017	Autism and Developmental Language Impairments, Reviewer, Publications
2011 - 2017	Journal of Speech, Language, & Hearing Research, Reviewer, Publications, 11 reviews between 2011 and 2017
2010 - 2017	American Journal of Audiology, Reviewer, Publications, 13 reviews between 2010 and 2017
2016 - 2017	American Speech-Language-Hearing Association, American Speech-Language-Hearing Annual Convention Topic Committee: Intervention/Rehabilitation for infants and children with hearing loss or balance disorders, Co-Chair
2016	American Journal of Speech-Language Pathology, Reviewer, Publications
2016	Language, Speech, Hearing Services in Schools, Reviewer
2015	Journal of Music Therapy, Reviewer, Publications
2013 - 2015	American Speech-Language-Hearing Association, Topic Committee member: Intervention/Habilitation for Infants and Children with Hearing Loss for annual American Speech-Language-Hearing meetings, Reviewer
2015	Language, Speech, Hearing Services in Schools, Reviewer, Publications
2015	American Journal of Speech-Language Pathology, Reviewer
2015	Language, Speech, Hearing Services in Schools, Reviewer, Publications
2015	American Journal of Speech-Language Pathology, Reviewer
2015	American Journal of Speech-Language Pathology, Reviewer, Publications
2013	Journal of Educational Audiology, Reviewer, Publications
2012	Otology and Neurotology, Reviewer, Publications
2008	Applied Cognitive Psychology, Reviewer, Publications

Department

2017 - Present	Student Academy of Audiology, Faculty Adviser
2016 - Present	Undergraduate Advising Committee, Committee Assignment
2015 - Present	AuD Studies, Committee Assignment
2016	Finance Committee, Committee Assignment

College

2020 - Present CLAS - Faculty Assembly, Member

Media Contributions

2017	Internet, Phonak, International
2017	Internet, Phonak, International
2015	Radio, Iowa Public Radio, State