

Journal Bibliography – Research Publications

2025

- Aija, A., Ståhlberg-Forsén, E., Toome, L., Aarnos, L., Ahlqvist-Björkroth, S., Stolt, S., & Lehtonen, L. (2025). Parents' speech in the NICU and language development of very preterm children at 12 and 24 months. *The Journal of Pediatrics: Clinical Practice*, 17, 200156. <https://doi.org/10.1016/j.jpdc.2025.200156>
- Anderson, K. L., Duncan, R. J., King, Y. A., Finders, J. K., Purpura, D. J., & Schmitt, S. A. (2025). Preschool language environments and children's school readiness skills. *Infant and Child Development*, 34(4), e70041. <https://doi.org/10.1002/icd.70041>
- Brushe, M. E., Mittinty, M. N., Gregory, T., Haag, D., Lynch, J. W., Reilly, S., Melhuish, E., & Brinkman, S. A. (2025). The causal effect of parent-child interactions on child language development at 3 and 4 years. *International Journal of Language & Communication Disorders*, 60(3), e70045. <https://doi.org/10.1111/1460-6984.70045>
- Campbell, E. E., Richter, L., Lukin, E., Bergelson, E. (2025). Comparing language input in homes of young blind and sighted children: Insights from daylong recordings. *Language Development Research*, 5(3), 33-71. <https://doi.org/10.34842/ldr2025-846>
- Cychosz, M., Scarpelli, C., Stephans, J., Sola, A. M., Kolhede, K., Ramirez, R., Christianson, E., Chan, V., & Chan, D. K. (2025). Rapid increases in children's spontaneous and responsive speech vocalizations following cochlear implantation: Implications for spoken language development. *Ear and Hearing*, 46(4). <https://doi.org/10.1097/AUD.0000000000001646>
- Favot, K., Marnane, V., Zhang, V. W., Tiko, R., & Easwar, V. (2025). The relationship between linguistic input and communication outcomes in children with unilateral hearing loss: The impact of device fitting. *Ear and Hearing*. <https://doi.org/10.1097/aud.0000000000001706>
- Götz, A., Altuntas, E., Kalashnikova, M., Best, C., & Burnham, D. (2025). Shaping linguistic input in parent-infant interactions: The influence of the infant's temperament. *Infancy*, 30(1), e12629. <https://doi.org/10.1111/infa.12629>
- Greenwood, C. R., Carta, J. J., Schnitz, A. G., Williams, D., Guerrero, G., Cintora, S., & Watson-Thompson, J. Kansas city brain builders: Progress implementing a multisectoral approach promoting equity in young children's language nutrition and school readiness. *American Journal of Community Psychology*, 1-19. <https://doi.org/10.1002/ajcp.12814>
- Jeong, Y., & Ha, S. (2025). Early developmental changes in infants' vocal responses in interactions with caregivers. *Infant Behavior and Development*, 78, 102022. <https://doi.org/10.1016/j.infbeh.2024.102022>
- Kuchler, K., Elmquist, M., McConnell, S. R., & Finestack, L. H. (2025). An evaluation of LENA Start™ using measures derived from parent-child interactions. *Journal of Child Language*, 1-24. <https://doi.org/10.1017/S0305000924000606>
- Laudańska, Z., Caunt, A., Cristia, A., Warlaumont, A., Patsis, K., Tomalski, P., Warreyn, P., Abney, D. H., Borjon, J. I., Airaksinen, M., Jones, E. J. H., Bölte, S., Dall, M., Holzinger, D., Poustka, L., Roeyers, H., Wass, S., Zhang, D., & Marschik, P. B. (2025). From data to discovery: Technology propels speech-language research and theory-building in developmental science. *Neuroscience & Biobehavioral Reviews*, 174, 106199. <https://doi.org/10.1016/j.neubiorev.2025.106199>
- Marlow, M., Skeen, S., Henry, J., Makhetha, M., Cluver, L., Sherr, L., & Tomlinson, M. (2025). Measurement of children's language environments using automated measurement technology in rural Lesotho: Findings from a sample of children and their caregivers in a cluster-randomized controlled trial. *Developmental Psychology*. <https://doi.org/10.1037/dev0002056>
- Mori, M., Hersey, A., Tucker, R., Caskey, M., Vohr, B. R., & McGowan, E. C. (2025). Maternal involvement and the language environment in the neonatal intensive care unit (NICU) – a cohort study. *Early Human Development*, 210, 106353. <https://doi.org/10.1016/j.earlhumdev.2025.106353>
- Nilsson, S., Östlund, E., Thalén, Y., & Löfkvist, U. (2025). Validation of the Language ENvironment Analysis in Swedish children. *Journal of Speech, Language, and Hearing Research*, 68(4), 1902-1916. https://doi.org/10.1044/2024_JSLHR-24-00275
- Novikova, E., Su, P. L., & Morini, G. (2025). Exposure to audiovisual media and its role in toddlers' language development. *Acta Paediatrica*, 114(7), 1602-1608. <https://doi.org/10.1111/apa.70000>
- Pérez-Moreno, J., Lerma-Aregocés, D., & Dosaiguas, M. (2025). Capturing family soundscapes for a deeper understanding and knowledge of early childhood music education: the contributions made by LENA® technology. *European Early Childhood Education Research Journal*, 1-12. <https://doi.org/10.1080/1350293X.2025.2481203>

- Peter, B., Finestack, L., Loveall, S., Thompson, L., Bruce, L., Scherer, N., Stoel-Gammon, C., Davis, J., Potter, N., VanDam, M., Eng, L., & Buckley, S. (2025). Babble Boot Camp for infants with Down syndrome: Piloting a proactive, caregiver-led intervention designed to boost earliest speech and language skills. *American Journal of Speech-Language Pathology*, 34(3), 1041-1057. https://doi.org/10.1044/2024_AJSLP-24-00271
- Poursororoush, Z., Ramsay, G., Yang, C. C., Buder, E. H., Bene, E. R., Su, P. L., Yoo, H., Long, H. L., Klaiman, C., Pileggi, M. L., Brane, N., & Oller, D. K. (2025). Timing of intervals between utterances in typically developing infants and infants later diagnosed with autism spectrum disorder. *Brain Sci*, 15(8). <https://doi.org/10.3390/brainsci15080819>
- Reyes, C. R., Rumper, B., & Khamis, R. (2025). Fostering infant/toddler mental health and language in underserved family child care settings. *Children*, 12(8), 1044. <https://doi.org/10.3390/children12081044>
- Sanchez-Bravo, D., Sandre, A., Amarante, M., Wiltshire, C. A., & Noble, K. G. (2025). Screen exposure, sleep quality, and language development in 6-month-old infants. *Frontiers in Developmental Psychology*, 3. <https://doi.org/10.3389/fdyps.2025.1440605>
- Su, P. L., Ramsay, G., Bene, E. R., Yoo, H., Long, H. L., Klaiman, C., Pulver, S. L., Richardson, S., Pileggi, M. L., Brane, N., & Oller, D. K. (2025). Parentese elicits infant speech-like vocalizations in typically developing and autistic infants. *Infancy*, 30(3), e70022. <https://doi.org/10.1111/inf.70022>
- Sullivan, K., Puglia, M., Trinh, A., Conaway, M., Fairchild, K., & Zanelli, S. (2025). Increased parent speech and parent stress is associated with early vocalizations in preterm infants. *Early Human Development*, 206, 106288. <https://doi.org/10.1016/j.earlhumdev.2025.106288>
- Verhoeven, E., van Witteloostuijn, M., Oudgenoeg-Paz, O., & Blom, E. (2025). To mix or not to mix? The relation between parental language mixing and bilingual children's language outcomes. *Bilingualism: Language and Cognition*, 1-15. <https://doi.org/10.1017/S1366728925100175>
- Zheng, Z., Degotardi, S., Sweller, N., & Djonov, E. (2025). What factors are associated with young children's language learning environment? A systematic review of Language Environment Analysis (LENA) Measures. *Early Education and Development*, 36(6), 1247-1277. <https://doi.org/10.1080/10409289.2025.2505830>

2024

- Bak, M. Y. S., Chung, S., Avendaño, S. M., Plavnick, J. B., Brehmer, J. S., & Reilly, A. M. (2024). Using the LENA® system for children with autism in educational settings: A comparison with human coders. *Research in Autism Spectrum Disorders*, 111, 102312. <https://doi.org/10.1016/j.rasd.2023.102312>
- Bunce, J., Soderstrom, M., Bergelson, E., Rosemberg, C., Stein, A., Alam, F., Migdalek, M. J., & Casillas, M. (2024). A cross-linguistic examination of young children's everyday language experiences. *Journal of Child Language*, 1-29. <https://doi.org/10.1017/S030500092400028X>
- Coffey, J. R., & Cristia, A. (2024, May 25, 2024). Long-form recordings to study children's language input and output in under-resourced contexts. Proceedings of the Fifth Workshop on Resources for African Indigenous Languages@ LREC-COLING 2024, Torino, Italia.
- Elmqvist, M., Ford, A. L. B., & Sterling, A. (2024). The complexity of opportunities to respond used by mothers and fathers of children with Down syndrome: A preliminary investigation. *Journal of Child Language*, 1-14. <https://doi.org/10.1017/S0305000924000370>
- Endevelt-Shapira, Y., Bosseler, A. N., Mizrahi, J. C., Meltzoff, A. N., & Kuhl, P. K. (2024). Mother-infant social and language interactions at 3 months are associated with infants' productive language development in the third year of life. *Infant Behavior and Development*, 75. <https://doi.org/10.1016/j.infbeh.2024.101929>
- Endevelt-Shapira, Y., Bosseler, A. N., Zhao, T. C., Mizrahi, J. C., Meltzoff, A. N., & Kuhl, P. K. (2024). Heart-to-heart: infant heart rate at 3 months is linked to infant-directed speech, mother-infant interaction, and later language outcomes. *Frontiers in Human Neuroscience*, 18, 1380075. <https://doi.org/10.3389/fnhum.2024.1380075>
- Ha, S. (2024). The predictability of naturalistic evaluation of all-day recordings for speech and language development. *Journal of Speech, Language, and Hearing Research*, 67(5), 1370-1384. https://doi.org/10.1044/2024_JSLHR-23-00571
- Hippe, L., Hennessy, V., Ramirez, N. F., & Zhao, T. C. (2024). Comparison of speech and music input in North American infants' home environment over the first 2 years of life. *Developmental Science*, 27(5), e13528. <https://doi.org/10.1111/desc.13528>

- Josvassen, J. L., Hedegaard, V. A. M., Jørgensen, M. L., & Percy-Smith, L. (2024). The effect of LENA (Language ENvironment Analysis) for children with hearing loss in Denmark including a pilot validation for the Danish language. *Journal of Clinical Medicine*, 13(9), 2688. <https://doi.org/10.3390/jcm13092688>
- Katus, L., Crespo-Llado, M. M., Milosavljevic, B., Saidykhan, M., Njie, O., Fadera, T., McCann, S., Acolatse, L., Perapoch Amadó, M., Rozhko, M., Moore, S. E., Elwell, C. E., & Lloyd-Fox, S. (2024). It takes a village: Caregiver diversity and language contingency in the UK and rural Gambia. *Infant Behavior and Development*, 74, 101913. <https://doi.org/10.1016/j.infbeh.2023.101913>
- Rojas, N. M. (2024). Spanish-English emergent bilingual children's classroom language interactions: A latent profile approach. *Early Childhood Education Journal*. <https://doi.org/10.1007/s10643-024-01712-x>
- Scaff, C., Casillas, M., Stieglitz, J., & Cristia, A. (2024). Characterization of children's verbal input in a forager-farmer population using long-form audio recordings and diverse input definitions. *Infancy*, 29(2), 196-215. <https://doi.org/10.1111/inf.12568>
- Sultana, N., Brock, A. S., & Purdy, S. C. (2024). Caregiver response types and children language outcomes in preschoolers with and without hearing loss in Aotearoa New Zealand. *Journal of the Royal Society of New Zealand*, 1-22. <https://doi.org/10.1080/03036758.2024.2356183>
- Sultana, N., Wong, L. L. N., & Purdy, S. C. (2024). Analysis of natural language input in preschool children with and without hearing loss: quantity, caregiver response types, and influence of demographic factors. *Speech, Language and Hearing*, 1-18. <https://doi.org/10.1080/2050571X.2024.2340274>
- Yoo, H., Su, P. L., Ramsay, G., Long, H. L., Bene, E. R., & Oller, D. K. (2024). Infant vocal category exploration as a foundation for speech development. *PLoS ONE*, 19(5), e0299140. <https://doi.org/10.1371/journal.pone.0299140>

2023

- Bang, J. Y., Kachergis, G., Weisleder, A., & Marchman, V. (2023). An automated classifier for periods of sleep and target-child-directed speech from LENA recordings. *Language Development Research*, 3(1), 211-248. <https://doi.org/10.34842/xmrq-er43>
- Bastianello, T., Lorenzini, I., Nazzi, T., & Majorano, M. (2023). The Language ENvironment Analysis system (LENA): A validation study with Italian-learning children. *Journal of Child Language*, 1-21. <https://doi.org/10.1017/S0305000923000326>
- Bergelson, E., Soderstrom, M., Schwarz, I.-C., Rowland, C., Ramírez-Esparza, N., Hamrick, L. R., Marklund, E., Kalashnikova, M., Guez, A., Casillas, M., Benetti, L., van Alphen, P., & Cristia, A. (2023). Everyday language input and production in 1,001 children from six continents. *Proceedings of the National Academy of Sciences*, 120(52), e2300671120. <https://doi.org/doi:10.1073/pnas.2300671120>
- Blom, E., Fikkert, P., Scheper, A., van Witteloostuijn, M., & van Alphen, P. (2023). The language environment at home of children with (a suspicion of) a developmental language disorder and relations with standardized language measures. *Journal of Speech, Language, and Hearing Research*, 66(8), 2821-2830. https://doi.org/doi:10.1044/2023_JSLHR-23-00066
- Brock, A. S., & Hampton, C. E. (2023). The linguistic input of fathers of children who are deaf or hard of hearing. *Perspectives of the ASHA Special Interest Groups*, 8(4), 683-692. https://doi.org/doi:10.1044/2023_PERSP-23-00002
- Cooper, A. M., Reschke, P. J., Porter, C. L., Coyne, S. M., Stockdale, L. A., Graver, H., Siufanua, M., Rogers, A., & Walle, E. A. (2023). "Oh no! What happened?" an investigation of parent-child conversations about self-conscious emotions. *Developmental Psychology*, 59(11), 2133-2147. <https://doi.org/10.1037/dev0001583>
- Cunha, F., Gerdes, M., Hu, Q., & Nihtianova, S. (2023). *Language environment and maternal expectations: an evaluation of the Lena Start program* (NBER Working Paper No. 30837). National Bureau of Economic Research. <http://www.nber.org/papers/w30837>
- Custode, S. A., Bailey, J., Sun, L., Katz, L., Ullery, M., Messinger, D., Bulotsky-Shearer, R. J., & Perry, L. K. (2023). Preschool language environments and social interactions in an early intervention classroom: A pilot study. *Journal of Early Intervention*, 0(0), 1-18. <https://doi.org/10.1177/10538151231176176>
- Der Nederlanden, S. J., Schaeffer, J. C., Van Bakel, H. H. J. A., & Dirks, E. (2023). Socio-economic status and other potential risk factors for language development in the first year of life. *Journal of Child Language*, 1-21. <https://doi.org/10.1017/S0305000923000478>
- Estrada, K. A., Govindaraj, S., Abdi, H., Moraglia, L. E., Wolff, J. J., Meera, S. S., Dager, S., McKinstry, R. C., Styner, M. A., Zwaigenbaum, L., Piven, J., & Swanson, M. (2023). Language exposure during infancy is negatively associated with white matter microstructure in the arcuate fasciculus. *Developmental Cognitive Neuroscience*, 61. <https://doi.org/10.1016/j.dcn.2023.101240>

- Fasano, R. M., Mitsven, S. G., Custode, S. A., Sarker, D., Bulotsky-Shearer, R. J., Messinger, D. S., & Perry, L. K. (2023). Automated measures of vocal interactions and engagement in inclusive preschool classrooms. *Autism Research*, 1-14. <https://doi.org/10.1002/aur.2980>
- Feng, T., Zhang, X., Zhou, L., Zhang, Y., Pappas, L., Dill, S.-E., Rozelle, S., & Ma, Y. (2023). Variations in the home language environment and early language development in a peri-urban community in China. *Early Childhood Research Quarterly*, 64, 199-215. <https://doi.org/10.1016/j.ecresq.2023.03.005>
- Fibla, L., Forbes, S. H., McCarthy, J., Mee, K., Magnotta, V., Deoni, S., Cameron, D., & Spencer, J. P. (2023). Language exposure and brain myelination in early development. *Journal of Neuroscience*, 43(23), 4279-4290. <https://doi.org/10.1523/JNEUROSCI.1034-22.2023>
- Flippin, M. (2023). Student perspectives on learning language sample analysis using LENA. *Teaching and Learning in Communication Sciences & Disorders*, 7(1), 6. <https://doi.org/10.30707/TLCSD7.1.1675490380.842994>
- Ha, S., Yoon, T.-J., & So, J. (2023). The predictability of naturalistic evaluation of all-day recordings for speech and language development. 20th International Congress of Phonetic Sciences, Prague, Czech Republic.
- Hamrick, L. R., Seidl, A., & Kelleher, B. L. (2023). Semi-automatic assessment of vocalization quality for children with and without Angelman syndrome. *American Journal on Intellectual and Developmental Disabilities*, 128(6), 425-448. <https://doi.org/10.1352/1944-7558.128.6.425>
- Huber, E., Corrigan, N. M., Yarnykh, V. L., Ramírez, N. F., & Kuhl, P. K. (2023). Language experience during infancy predicts white matter myelination at age 2 years. *The Journal of Neuroscience*, 43(9), 1590-1599. <https://doi.org/10.1523/jneurosci.1043-22.2023>
- Huber, E., Ramírez, N. F., Corrigan, N. M., & Kuhl, P. K. (2023). Parent coaching from 6 to 18 months improves child language outcomes through 30 months of age. *Developmental Science*, e13391. <https://doi.org/10.1111/desc.13391>
- Kondaurova, M. V., VanDam, M., Zheng, Q., & Welikson, B. (2023). Fathers' unmodulated prosody in child-directed speech. *The Journal of the Acoustical Society of America*, 154(6), 3556-3567. <https://doi.org/10.1121/10.0022571>
- Lee, Y., & Ha, S. (2023). Parental verbal responsiveness to infant vocalizations from 9 to 14 months of age. *Infant Behavior and Development*, 73, 101886. <https://doi.org/10.1016/j.infbeh.2023.101886>
- Lerma-Arregocés, D. (2023). Los tipos de interacción musical en el contexto familiar y cotidiano: La relación musical de Bruna y sus padres (The types of musical interaction in the family and everyday context: The musical relationship of Bruna and her parents). *Epistemos. Revista de Estudios en Música, Cognición y Cultura*, 11(1), 052. <https://doi.org/10.24215/18530494e052>
- Ma, Y., Pappas, L., Zhang, X., Feng, T., Su, W. B., Wang, Q., Zeng, Y., Dill, S.-E., & Rozelle, S. (2023). Family-level factors of early childhood development: Evidence from rural China. *Infant Behavior and Development*, 70. <https://doi.org/10.1016/j.infbeh.2022.101787>
- Ma, Y., Jonsson, L., Yao, Z., Zhang, X., Friesen, D., Medina, A., Rozelle, S., & Pappas, L. (2023). The home language environment in rural China: variations across family characteristics. *BMC Public Health*, 23. <https://doi.org/10.1186/s12889-023-15245-2>
- Malachowski, L. G., Salo, V. C., Needham, A. W., & Humphreys, K. L. (2023). Infant placement and language exposure in daily life. *Infant and Child Development*, 32(3), e2405. <https://doi.org/10.1002/icd.2405>
- Markfeld, J. E., Feldman, J. I., Daly, C., Santapuram, P., Bowman, S. M., Dunham-Carr, K., Suzman, E., Keçeli-Kaysılı, B., & Woynaroski, T. G. (2023). The stability and validity of automated indices of vocal development in infants with Autistic and non-Autistic siblings. *Journal of Speech, Language, and Hearing Research*. https://doi.org/doi:10.1044/2023_JSLHR-23-00069
- McGowan, E. C., Caskey, M., Tucker, R., & Vohr, B. R. (2023). A randomized controlled trial of a Neonatal Intensive Care Unit language intervention for parents of preterm infants and 2-Year language outcomes. *The Journal of Pediatrics*, 264, 113740. <https://doi.org/10.1016/j.jpeds.2023.113740>
- Oller, D. K., Gilkerson, J., Richards, J. A., Hannon, S. M., Griebel, U., Bowman, D. D., Brown, J. A., Yoo, H., & Warren, S. F. (2023). Sex differences in infant vocalization and the origin of language. *iScience*. [https://www.cell.com/iscience/pdf/S2589-0042\(23\)00961-6.pdf](https://www.cell.com/iscience/pdf/S2589-0042(23)00961-6.pdf)
- Ramírez, N. F. (2023). What do parents really think? Knowledge, beliefs, and self-awareness of parentese in relation to its use in daylong recordings. *First Language*, 0(0), 01427237231216010. <https://doi.org/10.1177/01427237231216010>
- Ramírez, N. F., Weiss, Y., & Sheth, K. K. (2023). Parentese in infancy predicts 5-year language complexity and conversational turns. *Journal of Child Language*, 1-26. <https://doi.org/10.1017/S0305000923000077>

- Ruan, Y., Byers-Heinlein, K., Orena, A. J., & Polka, L. (2023). Mixed-language input and infant volubility: Friend or foe? *Bilingualism: Language and Cognition*, 1-16. <https://doi.org/10.1017/S1366728923000287>
- Ruan, Y., Orena, A. J., & Polka, L. (2023). Comparing different measures of bilingual input derived from naturalistic daylong recordings. *Journal of Speech, Language, and Hearing Research*, 66(5), 1618-1630. https://doi.org/10.1044/2023_JSLHR-22-00180
- Ståhlberg-Forsén, E., Latva, R., Aija, A., Lehtonen, L., & Stolt, S. (2023). Language environment and parent-infant close contact in neonatal care and emerging lexical abilities of very preterm children—a longitudinal study. *Acta Paediatrica*, 112(4), 659-666. <https://doi.org/10.1111/apa.16647>
- Wang, T., Yu, E. C., Huang, R., & Lany, J. (2023). Acoustic cues to phrase and clause boundaries in infant-directed speech: Evidence from LENA recordings. *Journal of Child Language*, 1-20. <https://doi.org/10.1017/S030500092300034X>
- Wanzek, J., Wood, C., & Schatschneider, C. (2023). Teacher vocabulary use and student language and literacy achievement. *Journal of Speech, Language, and Hearing Research*, 1-14. Advance online publication. https://doi.org/10.1044/2023_JSLHR-22-00605
- Zhang, X., Liu, D., Pappas, L., Dill, S.-E., Feng, T., Zhang, Y., Zhao, J., Rozelle, S., & Ma, Y. (2023). The home language environment and early childhood development: a LENA study from rural and peri-urban China. *Applied Developmental Science*, 1-19. <https://doi.org/10.1080/10888691.2023.2267440>
- Zheng, Z., Degotardi, S., Sweller, N., & Djonov, E. (2023). Effects of multilingualism on Australian infants' language environments in early childhood education centers. *Infant Behavior and Development*, 70. <https://doi.org/10.1016/j.infbeh.2022.101799>

2022

- Bang, J. Y., Kachergis, G., Weislander, A., & Marchman, V. (2022). An automated classifier for child-directed speech from LENA recordings. *Proceedings of the 46th Annual Boston University Conference on Language Development*, Somerville, MA.
- Binos, P., & Petinou, K. (2022). Language environmental analysis (LENA) of three Cypriot Greek-speaking children. ExLing 2022 Proceedings of 13th International Conference of Experimental Linguistics, Paris, France.
- Brock, A. S., & Bass-Ringdahl, S. M. (2022). Coaching caregivers of children who are deaf or hard of hearing. *The Journal of Deaf Studies and Deaf Education*. <https://doi.org/10.1093/deafed/enac048>
- Colombani, A., Saksida, A., Pintonello, S., De Caro, F., & Orzan, E. (2022). Assessment of communication abilities in four children with early bilateral CIs in clinical and home environments with LENA system: a case report. *Children (Basel)*, 9(5). <https://doi.org/10.3390/children9050659>
- Duncan, R. J., Anderson, K. L., King, Y. A., Finders, J. K., Schmitt, S. A., & Purpura, D. J. (2022). Predictors of preschool language environments and their relations to children's vocabulary. *Infant and Child Development*, e2381. <https://doi.org/10.1002/icd.2381>
- Fields-Olivieri, M. A., & Cole, P. M. (2022). Toddler negative emotion expression and parent-toddler verbal conversation: Evidence from daylong recordings. *Infant Behavior and Development*, 67, 101711. <https://doi.org/10.1016/j.infbeh.2022.101711>
- Joseph, G. E., Soderberg, J., Abbott, R., Garzon, R., & Scott, C. (2022). Improving language support for infants and toddlers: results of FIND coaching in childcare. *Infant & Young Children*, 35(2), 91-105. <https://doi.org/10.1097/IYC.0000000000000214>
- Kremin, L. V., Alves, J., Orena, A. J., Polka, L., & Byers-Heinlein, K. (2022). Code-switching in parents' everyday speech to bilingual infants. *Journal of Child Language*, 49(4), 714-740. <https://doi.org/10.1017/S0305000921000118>
- Leung, C. Y. Y., Trinidad, J. E., & Suskind, D. L. (2022). Increases in language input are sustained among mothers of low SES: Evidence from a randomized controlled trial. *Parenting*, 1-33. <https://doi.org/10.1080/15295192.2022.2115912>
- Levin-Asher, B., Segal, O., & Kishon-Rabin, L. (2022). The validity of LENA technology for assessing the linguistic environment and interactions of infants learning Hebrew and Arabic. *Behavior Research Methods*. <https://doi.org/10.3758/s13428-022-01874-9>
- Lileikyte, R., Irvin, D., & Hansen, J. H. (2022). Assessing child communication engagement and statistical speech patterns for American English via speech recognition in naturalistic active learning spaces. *Speech Communication*, 140, 98-108. <https://doi.org/10.1016/j.specom.2022.01.006>

- Long, H. L., Ramsay, G., Griebel, U., Bene, E., Bowman, D. D., Burkhardt-Reed, M., & Oller, D. K. (2022). Perspectives on the origin of language: Infants vocalize most during independent vocal play but produce their most speech-like vocalizations during turn taking. *PLoS ONE*, 17(12), e0279395. <https://doi.org/10.1371/journal.pone.0279395>
- Markfeld, J. E., Feldman, J. I., Bordman, S. L., Daly, C., Santapuram, P., Humphreys, K. L., Keçeli-Kaysılı, B., & Woynaroski, T. (2022). Associations between caregiver stress and language outcomes in infants with autistic and non-autistic siblings: An exploratory study. *Journal of Speech, Language, and Hearing Research*. https://doi.org/10.1044/2022_JSLHR-22-00154
- Micheletti, M., Yao, X., Johnson, M., & de Barbaro, K. (2022). Validating a model to detect infant crying from naturalistic audio. *Behavior Research Methods*. <https://doi.org/10.3758/s13428-022-01961-x>
- Mitsven, S. G., Perry, L. K., Jerry, C. M., & Messinger, D. S. (2022). Classroom language during COVID-19: Associations between mask-wearing and objectively measured teacher and preschooler vocalizations [Original Research]. *Frontiers in Psychology*, 13. <https://doi.org/10.3389/fpsyg.2022.874293>
- Moffitt, J. M., Ahn, Y. A., Custode, S., Tao, Y., Mathew, E., Parlade, M., Hale, M., Durocher, J., Alessandri, M., Perry, L. K., & Messinger, D. S. (2022). Objective measurement of vocalizations in the assessment of autism spectrum disorder symptoms in preschool age children. *Autism Research*, 15(9), 1665-1674. <https://doi.org/10.1002/aur.2731>
- Munson, B., Lackas, N., & Koeppe, K. (2022). Individual differences in the development of gendered speech in preschool children: evidence from a longitudinal study. *Journal of Speech, Language, and Hearing Research*, 65(4), 1311-1330. https://doi.org/10.1044/2021_JSLHR-21-00465
- Muzzio, E. G. (2022). Preliminary Findings: Early turn talking is associated with later social-emotional development. *The Volta Review*, 122(1). <https://doi.org/10.17955/tvr.122.1.symp2>
- Perry, L. K., Mitsven, S. G., Custode, S., Vitale, L., Laursen, B., Song, C., & Messinger, D. S. (2022). Reciprocal patterns of peer speech in preschoolers with and without hearing loss. *Early Childhood Research Quarterly*, 60, 201-213. <https://doi.org/10.1016/j.ecresq.2022.02.003>
- Peter, B., Davis, J., Finestack, L., Stoel-Gammon, C., VanDam, M., Bruce, L., Kim, Y., Eng, L., Cotter, S., Landis, E., Beames, S., Scherer, N., Knerr, I., Williams, D., Schrock, C., & Potter, N. (2022). Translating principles of precision medicine into speech-language pathology: Clinical trial of a proactive speech and language intervention for infants with classic galactosemia. *HGG Advances*, 3(3), 100119. <https://doi.org/10.1016/j.xhgg.2022.100119>
- Ramírez, N. F., Hippe, D. S., Correa, L., Andert, J., & Baralt, M. (2022). Habla conmigo, daddy! Fathers' language input in North American bilingual Latinx families. *Infancy*. <https://doi.org/10.1111/infa.12450>
- Sola, A. M., Brodie, K. D., Stephans, J., Scarpelli, C., & Chan, D. K. (2022). Tracking home language production and environment in children who are deaf or hard of hearing. *Otolaryngology-Head and Neck Surgery*, 166(1), 171-178. <https://doi.org/10.1177/01945998211013785>
- Sulek, R., Smith, J., Bent, C. A., Hudry, K., Trembath, D., Vivanti, G., & Dissanayake, C. (2022). The utility of LENA as an indicator of developmental outcomes for young children with autism. *International Journal of Language & Communication Disorders*, 57(1), 103-111. <https://doi.org/10.1111/1460-6984.12678>
- Sundqvist, A., Koch, F. S., Soderberg, M., Barr, R., & Heimann, M. (2022). Qualitative and quantitative aspects of child-directed parental talk and the relation to 2-year-old's developing vocabulary. *Infancy*. <https://doi.org/10.1111/infa.12476>
- Weiss, Y., Huber, E., Ramírez, N. F., Corrigan, N. M., Yarnykh, V. L., & Kuhl, P. K. (2022). Language input in late infancy scaffolds emergent literacy skills and predicts reading related white matter development [Original Research]. *Frontiers in Human Neuroscience*, 16. <https://doi.org/10.3389/fnhum.2022.922552>

2021

- Brushe, M. E. (2021). The education word gap emerges by 18 months: findings from an Australian prospective study. *BMC Pediatrics*, 21(247). <https://doi.org/10.1186/s12887-021-02712-1>
- Clifford, B. N., Stockdale, L. A., Coyne, S. M., Rainey, V., & Benitez, V. L. (2021). Speaking of state of mind: Maternal mental health predicts children's home language environment and expressive language. *Journal of Child Language*, 1-17. <https://doi.org/10.1017/S0305000921000131>
- Cristia, A., Lavechin, M., Scaff, C., Soderstrom, M., Rowland, C., Räsänen, O., Bunce, J., & Bergelson, E. (2021). A thorough evaluation of the Language Environment Analysis (LENA) system. *Behavior Research Methods*, 53(2), 467-486. <https://doi.org/10.3758/s13428-020-01393-5>
- Donnelly, S., & Kidd, E. (2021). The longitudinal relationship between conversational turn-taking and vocabulary growth in early language development. *Child Development*. doi: <https://doi.org/10.1111/cdev.13511>
- Dosaiguas, M., Pérez-Moreno, J., Gluschkof, C., & Costa-Giomi, E. (2021). Listening to a siblings' day: musical interactions in a family setting. *Early Child Development and Care*, 191(12), 1843-1857. <https://doi.org/10.1080/03004430.2020.1863392>
- Fasano, R. M., Perry, L. K., Zhang, Y., Vitale, L., Wang, J., Song, C., & Messinger, D. S. (2021). A granular perspective on inclusion: Objectively measured interactions of preschoolers with and without autism. *Autism Research*, 14(8), 1658-1669. <https://doi.org/10.1002/aur.2526>
- Gómez, E., & Strasser, K. (2021). Language and socioemotional development in early childhood: The role of conversational turns. Advance online publication. *Developmental Science*, e13109. doi: <https://doi.org/10.1111/desc.13109>
- Hersey, A., Hoffman, L., Tucker, R., & Vohr, B. (2021). Enhancing the NICU language environment with a neonatal cuddler program. *Journal of Perinatology*, 41, 2063-2071. <https://doi.org/10.1038/s41372-021-01037-2>
- King, L. S., Querdasi, F. R., Humphreys, K. L., & Gotlib, I. H. (2021). Dimensions of the language environment in infancy and symptoms of psychopathology in toddlerhood. Advance online publication. *Developmental Science*. doi: <https://doi.org/10.1111/desc.13082>
- Kondaurova, M. V., Zheng, Q., VanDam, M., & Kinney, K. (2021). Vocal turn-taking in families with children with and without hearing loss. *Ear and Hearing*. <https://doi.org/10.1097/AUD.0000000000001135>
- Kothalkar, P. V., Datla, S., Dutta, S., Hansen, J. H. L., Seven, Y., Irvin, D., & Buzhardt, J. (2021, October 18 - 22, 2021). Measuring frequency of child-directed wh-question words for alternate preschool locations using speech recognition and location tracking technologies. Companion Publication of the 2021 International Conference on Multimodal Interaction, Montreal, Québec, Canada.
- List, J. A., Pernaudet, J., & Suskind, D. L. (2021). Shifting parental beliefs about child development to foster parental investments and improve school readiness outcomes. *Nature Communications*, 12(1), 5765. <https://doi.org/10.1038/s41467-021-25964-y>
- Ma, Y., Jonsson, L., Feng, T., Weisberg, T., Shao, T., Yao, Z., Zhang, D., Dill, S.-E., Guo, Y., Zhang, Y., Friesen, D., & Rozelle, S. (2021). Variations in the home language environment and early language development in rural China. *International Journal of Environmental Research and Public Health*, 18(5), 2671. <https://doi.org/10.3390/ijerph18052671>
- McDonald, M., Kwon, T., Kim, H., Lee, Y., & Ko, E.-S. (2021). Evaluating the Language ENvironment Analysis system for Korean. *Journal of Speech, Language, and Hearing Research*, 64, 792-808. doi: https://doi.org/10.1044/2020_JSLHR-20-00489
- Mitsven, S. G., Perry, L. K., Tao, Y., Elbaum, B. E., Johnson, N. F., & Messinger, D. S. (2021). Objectively measured teacher and preschooler vocalizations: Phonemic diversity is associated with language abilities. *Developmental Science*, 25(2), e13177. <https://doi.org/10.1111/desc.13177>
- Piot, L., Havron, N., & Cristia, A. (2021). Socioeconomic status correlates with measures of Language Environment Analysis (LENA) system: a meta-analysis. *Journal of Child Language*, 1-15. <https://doi.org/doi:10.1017/S0305000921000441>
- Prince, E. B., Ciptadi, A., Tao, Y., Rozga, A., Martin, K. B., Rehg, J., & Messinger, D. S. (2021). Continuous measurement of attachment behavior: A multimodal view of the strange situation procedure. *Infant Behavior and Development*, 63, 101565. <https://doi.org/10.1016/j.infbeh.2021.101565>

- Ramírez, N. F., Hippe, D. S., & Kuhl, P. K. (2021). Comparing automatic and manual measures of parent-infant conversational turns: A word of caution. *Child Development*, 92(2), 672-681. doi: <https://doi.org/10.1111/cdev.13495>
- Ramírez, N. F., Hippe, D. S., & Shapiro, N. T. (2021). Exposure to electronic media between 6 and 24 months of age: An exploratory study. *Infant Behavior and Development*, 63, 101549.
- Romeo, R., Leonard, J. A., Grotzinger, H. M., Robinson, S. T., Megumi, T. E., Mackey, A. P., Scherer, E., Rowe, M. L., West, M. R., & Gabrieli, J. D. E. (2021). Neuroplasticity associated with changes in conversational turn-taking following a family-based intervention. *Developmental Cognitive Neuroscience*, 49(100967). <https://doi.org/10.1016/j.dcn.2021.100967>
- Shapiro, N. T., Hippe, D. S., & Ramírez, N. F. (2021). How chatty are daddies? An exploratory study of infants' language environments. *Journal of Speech, Language, and Hearing Research*, 64(8), 3242-3252. https://doi.org/10.1044/2021_JSLHR-20-00727
- Soderstrom, M. (2021). Analysis of children's everyday language experiences using longform audio: promises and pitfalls (Análisis de las experiencias lingüísticas cotidianas de niños y niñas utilizando audio de formato largo: posibles ventajas y dificultades). *Journal for the Study of Education and Development*, 44(2), 477-501. <https://doi.org/10.1080/02103702.2021.1888474>
- VanDam, M., Thompson, L., Wilson-Fowler, E., Campanella, S., Wolfenstein, K., & De Palma, P. (2021). Conversation initiation of mothers, fathers, and toddlers in their natural home environment. *Computer Speech & Language*. <https://doi.org/10.1016/j.csl.2021.101338>
- Wang, Y., Cooke, M., Reed, J., Dilley, L., & Houston, D. M. (2021). Home auditory environments of children with cochlear implants and children with normal hearing. *Ear and Hearing*. <https://doi.org/10.1097/AUD.0000000000001124>

2020

- Altman, R. L., Laursen, B., Messinger, D. S., & Perry, L. K. (2020). Validation of continuous measures of peer social interaction with self- and teacher-reports of friendship and social engagement. *European Journal of Developmental Psychology*, 17(5), 773-785. <https://doi.org/10.1080/17405629.2020.1716724>
- Beecher, C. C., & Van Pay, C. K. (2020). Investigation of the effectiveness of a community-based parent education program to engage families in increasing language interactions with their children. *Early Childhood Research Quarterly*, 53, 453-463. doi: <https://doi.org/10.1016/j.ecresq.2020.04.001>
- Benetti, L., & Costa-Giomi, E. (2020). Infant vocal imitation of music. *Journal of Research in Music Education*, 67(4), 381-398. <https://doi.org/10.1177/0022429419890328>
- Brito, N. H., Troller-Renfree, S. V., Leon-Santos, A., Isler, J. R., Fifer, W. P., & Noble, K. G. (2020). Associations among the home language environment and neural activity during infancy. *Developmental Cognitive Neuroscience*, 43, 100780. doi: <https://doi.org/10.1016/j.dcn.2020.100780>
- Brushe, M. E., Lynch, J. W., Reilly, S., Melhuish, E., & Brinkman, S. A. (2020). How many words are Australian children hearing in the first year of life? *BMC Pediatrics*, 20(52). doi: <https://doi.org/10.1186/s12887-020-1946-0>
- Bruyneel, E., Demurie, E., Boterberg, S., Warreyn, P., & Roeyers, H. (2020). Validation of the Language ENvironment Analysis (LENA) system for Dutch. *Journal of Child Language*, 1-27. doi: 10.1017/S0305000920000525
- Bulgarelli, F., & Bergelson, E. (2020). Look who's talking: A comparison of automated and human-generated speaker tags in naturalistic daylong recordings. *Behavior Research Methods*, 52, 641-653. doi: <https://doi.org/10.3758/s13428-019-01265-7>
- Cristia, A., Bulgarelli, F., & Bergelson, E. (2020). Accuracy of the Language Environment Analysis system segmentation and metrics: A systematic review. *Journal of Speech, Language, and Hearing Research*, 63(4), 1093-1105. doi: https://doi.org/10.1044/2020_JSLHR-19-00017
- Duncan, R. J., King, Y. A., Finders, J. K., Elicker, J., Schmitt, S. A., & Purpura, D. J. (2020). Prekindergarten classroom language environments and children's vocabulary skills. *Journal of Experimental Child Psychology*, 194, 104829. doi: <https://doi.org/10.1016/j.jecp.2020.104829>
- Elmqvist, M., Finestack, L. H., Kriese, A., Lease, E. M., & McConnell, S. R. (2020). Parent education to improve early language development: A preliminary evaluation of LENA Start™. *Journal of Child Language*, 1-29. doi: 10.1017/S0305000920000458
- Fink, E., Browne, W. V., Kirk, I., & Hughes, C. (2020). Couple relationship quality and the infant home language environment: Gender-specific findings. *Journal of Family Psychology*, 34(2), 155-164. doi: <http://dx.doi.org/10.1037/fam0000590>

- Hoffman, L., Hersey, A., Tucker, R., & Vohr, B. (2020). Randomised control language intervention for infants of adolescent mothers. *Acta Paediatrica*, 1-10. doi: 10.1111/apa.15261
- King, L. S., Camacho, C., Montez, D. F., Humphreys, K. L., & Gotlib, I. H. (2020). Naturalistic language input is associated with resting-state functional connectivity in infancy. Advance online publication. *The Journal of Neuroscience*. doi: <https://doi.org/10.1523/JNEUROSCI.0779-20.2020>
- Kishida, Y., & Kemp, C. (2020). Improving parents' interactions with children with hearing loss using data-based feedback. *International Journal of Disability, Development and Education*. doi: 10.1080/1034912X.2020.1767761
- Knight-McKenna, M., Hollingsworth, H. L., & Esposito, J. (2020). Strong beginnings for babies: Families' language stimulation of infants from low-income backgrounds. *Journal of Children and Poverty*. doi: 10.1080/10796126.2020.1764175
- Laing, C., & Bergelson, E. (2020). From babble to words: Infants' early productions match words and objects in their environment. *Cognitive Psychology*, 122, 101308. <https://doi.org/10.1016/j.cogpsych.2020.101308>
- Larson, A. L., Barrett, T. S., & McConnell, S. R. (2020). Exploring early childhood language environments: A comparison of language use, exposure, and interactions in the home and childcare settings. *Language, Speech, and Hearing Services in Schools*, 51(3), 706-719. doi: https://doi.org/10.1044/2019_LSHSS-19-00066
- Lehet, M., Arjmandi, M. K., Houston, D., & Dilley, L. (2020). Circumspection in using automated measures: Talker gender and addressee affect error rates for adult speech detection in the Language ENvironment Analysis (LENA) system. Advance online publication. *Behavior Research Methods*. doi: <https://doi.org/10.3758/s13428-020-01419-y>
- Leung, C. Y. Y., Hernandez, M. W., & Suskind, D. L. (2020). Enriching home language environment among families from low-SES backgrounds: A randomized controlled trial of a home visiting curriculum. *Early Child Research Quarterly*, 50, 24-35. doi: <https://doi.org/10.1016/j.ecresq.2018.12.005>
- Marchman, V. A., Weisleder, A., Hurtado, N., & Fernald, A. (2020). Accuracy of the Language Environment Analysis (LENA™) system for estimating child and adult speech in laboratory settings. *Journal of Child Language*, 1-16. doi: <https://doi.org/10.1017/S0305000920000380>
- McDaniel, J., Yoder, P., Estes, A. M., & Rogers, S. J. (2020). Predicting expressive language from early vocalizations in young children with autism spectrum disorder: Which vocal measure is best? *Journal of Speech, Language, and Hearing Research*, 63(5), 1509-1520. doi: https://doi.org/10.1044/2020_JSLHR-19-00281
- Merz, E. C., Maskus, E. A., Melvin, S. A., He, X., & Noble, K. G. (2020). Socioeconomic disparities in language input are associated with children's language-related brain structure and reading skills. *Child Development*, 91(3), 846-860. doi: <https://doi.org/10.1111/cdev.13239>
- Ramírez, N. F., Lytle, S. R., & Kuhl, P. K. (2020). Parent coaching increases conversational turns and advances infant language development. *Proceedings of the National Academy of Sciences*. doi: 10.1073/pnas.1921653117
- Sultana, N., Wong, L. L. N., & Purdy, S. C. (2020). Dataset on the calculations of daily adult word and conversational turn counts, and use of styles of oral interaction in 2-5-year olds with hearing loss in New Zealand. *Data in Brief*, 30(105372), 1-9. doi: <https://doi.org/10.1016/j.dib.2020.105372>
- Sultana, N., Wong, L. L. N., & Purdy, S. C. (2020). Natural language input: Maternal education, socioeconomic deprivation, and language outcomes in typically developing children. *Language, Speech, and Hearing Services in Schools*, 1-22. doi: https://doi.org/10.1044/2020_LSHSS-19-00095
- Thompson, E. C., Benítez-Barrera, C. R., Angley, G. P., Woynaroski, T., & Tharpe, A. M. (2020). Remote microphone system use in the homes of children with hearing loss: Impact on caregiver communication and child vocalizations. *Journal of Speech, Language, and Hearing Research*, 63(2), 633-642. https://doi.org/doi:10.1044/2019_JSLHR-19-00197
- Thompson, E. C., Benítez-Barrera, C. R., & Tharpe, A. M. (2020). Home use of remote microphone systems by children with hearing loss. *The Hearing Journal*, 73(7), 34,35,36. <https://doi.org/10.1097/01.Hj.0000689436.33289.83>
- Wang, Y., Williams, R., Dilley, L., & Houston, D. M. (2020). A meta-analysis of the predictability of LENA™ automated measures for child language development. *Developmental Review*, 57, 100921. doi: <https://doi.org/10.1016/j.dr.2020.100921>

Zhang, Y., Xu, X., Jiang, Y., Sun, W., Wang, Y., Song, Y., . . . Sheng, L. (2020). Early language and communication development in Chinese children: Adaption and validation of a parent report instrument. Advance online publication. *International Journal of Speech-Language Pathology*. doi: 10.1080/17549507.2020.1817558

2019

Beecher, C. C., & Van Pay, C. K. (2019). Small talk: A community research collaboration to increase parental provision of language to children. *Child & Youth Care Forum*. doi: <https://doi.org/10.1007/s10566-019-09507-7>

Benítez-Barrera, C. R., Thompson, E., Angley, G. P., Woynaroski, T., & Tharpe, A. M. (2019). Remote microphone system use at home: Impact on child-directed speech. *Journal of Speech, Language, and Hearing Research*, 62(6), 2002-2008. doi: https://doi.org/10.1044/2019_JSLHR-H-18-0325

Bergelson, E., Amatuni, A., Dailey, S., Koorathota, S., & Tor, S. (2019). Day by day, hour by hour: Naturalistic language input to infants. *Developmental Science*, 22(1), e12715. <https://doi.org/10.1111/desc.12715>

Christakis, D. A., Lowry, S. J., Goldberg, G., Violette, H., & Garrison, M. M. (2019). Assessment of a parent-child interaction intervention for language development in children. *JAMA Network Open*, 2(6), e195738-e195738. doi: 10.1001/jamanetworkopen.2019.5738

d'Apice, K., Latham, R. M., & von Stumm, S. (2019). A naturalistic home observational approach to children's language, cognition, and behavior. *Developmental Psychology*, 55(7), 1414-1427. doi: <http://dx.doi.org/10.1037/dev0000733>

Fields-Olivieri, M. A., & Cole, P. M. (2019). Sequences of toddler negative emotion and parent-toddler verbal communication during a waking day. *Infancy*, 24(6), 857-880. doi: <https://doi.org/10.1111/infa.12310>

Jones, R. M., Skwerer, D. P., Pawar, R., Hamo, A., Carberry, C., Ajodan, E. L., . . . Tager-Flusberg, H. (2019). How effective is LENA in detecting speech vocalizations and language produced by children and adolescents with ASD in different contexts? *Autism Research*, 12(4), 628-635. doi: <https://doi.org/10.1002/aur.2071>

Liszka, L., Heiny, E., Smith, J., Schlaggar, B. L., Mathur, A., & Pineda, R. (2019). Auditory exposure of high-risk infants discharged from the NICU and the impact of social factors. *Acta Paediatrica*, 109(10), 2049-2056. doi: <https://doi.org/10.1111/apa.15209>

Liszka, L., Smith, J., Mathur, A., Schlaggar, B. L., Colditz, G., & Pineda, R. (2019). Differences in early auditory exposure across neonatal environments. *Early Human Development*, 136, 27-32. doi: <https://doi.org/10.1016/j.earlhumdev.2019.07.001>

Moore, C., Dailey, S., Garrison, H., Amatuni, A., & Bergelson, E. (2019). Point, walk, talk: Links between three early milestones, from observation and parental report. *Developmental Psychology*, 55(8), 1579-1593. <https://doi.org/10.1037/dev0000738>

Oller, D. K., Griebel, U., Iyer, S. N., Jhang, Y., Warlaumont, A. S., Dale, R., & Call, J. (2019). Language origins viewed in spontaneous and interactive vocal rates of human and bonobo infants. *Frontiers in Psychology*, 10, 729. doi: 10.3389/fpsyg.2019.00729

Orena, A. J., Byers-Heinlein, K., & Polka, L. (2019). Reliability of the Language Environment Analysis recording system in analyzing French-English bilingual speech. *Journal of Speech, Language, and Hearing Research*, 62(7), 2491-2500. doi: https://doi.org/10.1044/2019_JSLHR-L-18-0342

Reisinger, D. L., Shaffer, R. C., Pedapati, E. V., Dominick, K. C., & Erickson, C. A. (2019). A pilot quantitative evaluation of early life language development in Fragile X Syndrome. *Brain Sciences*, 9(2), 27-39. doi: <https://doi.org/10.3390/brainsci9020027>

Sultana, N., Wong, L. L. N., & Purdy, S. C. (2019). Analysis of amount and style of oral interaction related to language outcomes in children with hearing loss: A systematic review (2006-2016). *Journal of Speech, Language, and Hearing Research*, 62(9), 3470-3492. doi: https://doi.org/10.1044/2019_JSLHR-L-19-0076

Swanson, M., Donovan, K., Paterson, S., Wolff, J. J., Meera, S. S., Watson, L. R., . . . Piven, J. (2019). Early language exposure supports later language skills in infants with and without autism. *Autism Research*, 12(12). doi: <https://doi.org/10.1002/aur.2163>

Trembath, D., Westerveld, M. F., Teppala, S., Thirumanickam, A., Sulek, R., Rose, V., Tucker, M., Paynter, J., Hetzroni, O., Keen, D., & Vivanti, G. (2019). Profiles of vocalization change in children with autism receiving early intervention. *Autism Research*, 12(5), 830-842. <https://doi.org/10.1002/aur.2075>

VanDam, M., & Yoshinaga-Itano, C. (2019). Use of the LENA Autism screen with children who are deaf or hard of hearing. *Medicina*, 55(8), 495. doi: <https://doi.org/10.3390/medicina55080495>

2018

- Adams, K. A., Marchman, V. A., Loi, E. C., Ashland, M. D., Fernald, A., & Feldman, H. M. (2018). Caregiver talk and medical risk as predictors of language outcomes in fullterm and preterm toddlers. *Child Development, 89*(5), 1674-1690.
- Benítez-Barrera, C. R., Angley, G. P., & Tharpe, A. M. (2018). Remote microphone system use at home: Impact on caregiver talk. *Journal of Speech, Language, and Hearing Research, 61*(2), 399-409. doi: https://doi.org/10.1044/2017_JSLHR-H-17-0168
- Bergelson, E., Casillas, M., Soderstrom, M., Seidl, A., Warlaumont, A. S., & Amatuni, A. (2018). What do North American babies hear? A large-scale cross-corpus analysis. *Developmental Science, 22*(1), 1-12. doi: <https://doi.org/10.1111/desc.12724>
- Bredin-Oja, S. L., Fielding, H., Fleming, K. K., & Warren, S. F. (2018). Clinician vs. machine: Estimating vocalizations rates in young children with developmental disorders. *American Journal of Speech-Language Pathology, 27*(3), 1066-1072. doi: https://doi.org/10.1044/2018_AJSLP-17-0016
- Busch, T., Sangen, A., Vanpoucke, F., & van Wieringen, A. (2018). Correlation and agreement between Language ENvironment Analysis (LENA™) and manual transcription for Dutch natural language recordings. *Behavior Research Methods, 50*(5), 1921-1932. doi: <https://doi.org/10.3758/s13428-017-0960-0>
- Chen, L.-M., Oller, D. K., Lee, C.-C., & Liu, C.-T. J. (2018). LENA computerized automatic analysis of speech development from birth to three. *The 2018 Conference on Computational Linguistics and Speech Processing, 158-168*.
- Degotardi, S., Han, F., & Torr, J. (2018). Infants' experience with 'hear and clear' educator talk: Individual variation and its relationship to indicators of quality. *International Journal of Early Years Education, 26*(3), 278-294. doi: 10.1080-09669760.2018.1479632
- Ganek, H., & Eriks-Brophy, A. (2018). A concise protocol for the validation of Language ENvironment Analysis (LENA) conversational turn counts in Vietnamese. *Communication Disorders Quarterly, 39*(2), 371-380.
- Ganek, H., & Eriks-Brophy, A. (2018). Language ENvironment analysis (LENA) system investigation of day long recordings in children: A literature review. *Journal of Communication Disorders, 72*, 77-85. <https://doi.org/10.1016/j.jcomdis.2017.12.005>.
- Ganek, H., Smyth, R., Nixon, S., & Eriks-Brophy, A. (2018). Using the Language ENvironment Analysis (LENA) system to investigate cultural differences in conversational turn count. *Journal of Speech, Language, and Hearing Research, 61*, 2246-2258. doi: 10.1044/2018_JSLHR-L-17-0370
- Gilkerson, J., Richards, J. A., Warren, S. F., Oller, D. K., Russo, R., & Vohr, B. (2018). Language experience in the second year of life and language outcomes in late childhood. *Pediatrics, 142*(4). doi: 10.1542/peds.2017-4276
- Greenwood, C. R., Schnitz, A. G., Irvin, D., Tsai, S. F., & Carta, J. J. (2018). Automated language environment analysis: A research synthesis. *American Journal of Speech-Language Pathology, 27*(2), 853-867. doi: 10.1044/2017_AJSLP-17-0033
- Irvin, D. W., Bard, A., Wallisch, A., & Little, L. M. (2018). Measuring social communication in the community: Novel tools for advancing family participation. *The American Journal of Occupational Therapy, 72*(6), 7206205060p1-7206205060p7. doi: 10.5014/ajot.2018.026310
- Mahr, T., & Edwards, J. (2018). Using language input and lexical processing to predict vocabulary size. *Developmental Science, 21*(6), e12685.
- Perry, L. K., Prince, E. B., Valtierra, A. M., Rivero-Fernandez, C., Ullery, M. A., Katz, L. F., Laursen, B., & Messinger, D. S. (2018). A year in words: The dynamics and consequences of language experiences in an intervention classroom. *PLoS ONE, 13*(7), e0199893. <https://doi.org/10.1371/journal.pone.0199893>
- Ramírez, N. F., Lytle, S. R., Fish, M., & Kuhl, P. K. (2018). Parent coaching at 6 and 10 months improves language outcomes at 14 months: A randomized controlled trial. *Developmental Science, 22*(3). doi: <https://doi.org/10.1111/desc.12762>
- Romeo, R. R., Leonard, J. A., Robinson, S. T., West, M. R., Mackey, A. P., Rowe, M. L., & Gabrieli, J. D. E. (2018). Beyond the 30-million-word gap: Children's conversational exposure is associated with language-related brain function. *Psychological Science, 29*(5), 700-710. doi: <https://doi.org/10.1177/0956797617742725>

- Romeo, R. R., Segaran, J., Leonard, J. A., Robinson, S. T., West, M. R., Mackey, A. P., . . . Gabrieli, J. D. E. (2018). Language exposure relates to structural neural connectivity in childhood. *The Journal of Neuroscience*, *38*(36), 7870-7877. doi: <https://doi.org/10.1523/JNEUROSCI.0484-18.2018>
- Rufsvold, R., Wang, Y., Hartman, M. C., Arora, S. B., & Smolen, E. R. (2018). The impact of language input on deaf and hard of hearing preschool children who use listening and spoken language. *American Annals of the Deaf*, *163*(1), 35-60.
- Seidl, A., Cristia, A., Soderstrom, M., Ko, E.-S., Abel, E. A., Kellerman, A., & Schwichtenberg, A. J. (2018). Infant-mother acoustic-prosodic alignment and developmental risk. *Journal of Speech, Language, and Hearing Research*, *61*(6), 1369-1380. doi: 10.1044/2018_JSLHR-S-17-0287
- Soderstrom, M., Grauer, E., Dufault, B., & McDivitt, K. (2018). Influences of number of adults and adult: child ratios on the quantity of adult language input across childcare settings. *First Language*, *38*(6), 563-581. doi: <https://doi.org/10.1177/0142723718785013>
- Swanson, M. (2018). Naturalistic language recordings reveal “hypervocal” infants at high familial risk for autism. *Child Development*, *89*(2), e60-e73. <https://doi.org/10.1111/cdev.12777>
- Xu, H. Y., Stroud, J., Jozanovic, R. K., Clucas, J., Son, J. J., Koo, B., . . . Milham, M. P. (2018). Clinical perspective on passive audio vocal measurement in the evaluation of selective mutism. *Frontiers in Psychiatry*, *9*, 443. doi: 10.3389/fpsyt.2018.00443

2017

- Costa-Giomi, E., & Benetti, L. (2017). Through a baby's ears: Musical interactions in a family community. *International Journal of Community Music*, *10*(3), 289-303. https://doi.org/10.1386/ijcm.10.3.289_1
- Gilkerson, J., Richards, J. A., Greenwood, C. R., & Montgomery, J. K. (2017). Language assessment in a snap: Monitoring progress up to 36 months. *Child Language Teaching and Therapy*, *33*(2), 99-115. doi: 10.1177/0265659016660599
- Gilkerson, J., Richards, J. A., & Topping, K. (2017). Evaluation of a LENA-based online intervention for parents of young children. *Journal of Early Intervention*, *39*(4), 281-298. doi: 10.1177/1053815117718490
- Gilkerson, J., Richards, J. A., & Topping, K. J. (2017). The impact of book reading in the early years on parent-child language interaction. *Journal of Early Childhood Literacy*, *17*(1), 92-110. doi: 10.1177/1468798415608907
- Gilkerson, J., Richards, J. A., Warren, S. F., Montgomery, J. K., Greenwood, C. R., Oller, D. K., & Hansen, J. H. (2017). Mapping the early language environment using all-day recordings and automated analysis. *American Journal of Speech-Language Pathology*, *26*(2), 248-265. doi: 10.1044/2016_AJSLP-15-0169
- Greenwood, C. R., Carta, J. J., Walker, D., Watson-Thompson, J., Gilkerson, J., Larson, A. L., & Schnitz, A. (2017). Conceptualizing a public health prevention intervention for bridging the 30 million word gap. *Clinical Child and Family Psychology Review*, *20*(1), 3-24. doi: 10.1007/s10567-017-0223-8
- Irvin, D. W., Crutchfield, S. A., Greenwood, C. R., Simpson, R. L., Sangwan, A., & Hansen, J. H. L. (2017). Exploring classroom behavioral imaging: Moving closer to effective and data-based early childhood inclusion planning. *Advances in Neurodevelopmental Disorders*, *1*(2), 95-104. doi: <https://doi.org/10.1007/s41252-017-0014-8>
- Marchman, V. A., Martínez, L. Z., Hurtado, N., Grüter, T., & Fernald, A. (2017). Caregiver talk to young Spanish-English bilinguals: Comparing direct observation and parent-report measures of dual-language exposure. *Developmental Science*, *20*(1), e12425. doi: 10.1111/desc.12425
- McGillion, M., Pine, J. M., Herbert, J. S., & Matthews, D. (2017). A randomised controlled trial to test the effect of promoting caregiver contingent talk on language development in infants from diverse socioeconomic status backgrounds. *Journal of Child Psychology and Psychiatry*, *58*(10), 1122-1131. doi: <https://doi.org/10.1111/jcpp.12725>
- Paul, T. D., & Gilkerson, J. (2017). The talk gap. In R. Horowitz & S. J. Samuels (Eds.), *The achievement gap in reading: Complex, causes, persistent issues, possible solutions* (pp. 151-169). New York, NY: Routledge.
- Pineda, R., Durant, P., Mathur, A., Inder, T., Wallendorf, M., & Schlaggar, B. L. (2017). Auditory exposure in the neonatal intensive care unit: Room type and other predictors. *Journal of Pediatrics*, *183*, 56-66. doi: <https://doi.org/10.1016/j.jpeds.2016.12.072>

- Ramírez-Esparza, N., García-Sierra, A., & Kuhl, P. (2017). The impact of early social interactions on later language development in Spanish-English bilingual infants. *Child Development*, 88(4), 1216-1234. doi: 10.1111/cdev.12648
- Richards, J. A., Gilkerson, J., Xu, D., & Topping, K. (2017). How much do parents think they talk to their child? *Journal of Early Intervention*, 39(3), 163-179. doi: 10.1177/1053815117714567
- Richards, J. A., Xu, D., Gilkerson, J., Yapanel, U., Gray, S., & Paul, T. (2017). Automated assessment of child vocalization development using LENA. *Journal of Speech, Language, and Hearing Research*, 60(7), 2047-2063. doi: 10.1044/2017_JSLHR-L-16-0157
- Schwarz, I.-C., Botros, N., Lord, A., Marcusson, A., Tideli, H., & Marklund, E. (2017). The LENA™ system applied to Swedish: Reliability of the adult word count estimate. *Proceedings of Interspeech 2017*, 2088-2092. doi: 10.21437/Interspeech.2017-1287
- Wang, Y., Hartman, M. C., Abdul Aziz, N. A., Arora, S., Shi, L., & Tunison, E. (2017). A systematic review of the use of LENA technology. *American Annals of the Deaf*, 162(3), 295-311. doi: <https://doi.org/10.1353/aad.2017.0028>
- Weber, A., Fernald, A., & Diop, Y. (2017). When cultural norms discourage talking to babies: Effectiveness of a parenting program in rural Senegal. *Child Development*, 88(5), 1513-1526. <https://doi.org/10.1111/cdev.12882>

2016

- Canault, M., Le Normand, M. T., Foudil, S., Loundon, N., & Thai-Van, H. (2016). Reliability of the Language ENvironment Analysis system (LENA™) in European French. *Behavior Research Methods*, 48(3), 1109-1124. doi: 10.3758/s13428-015-0634-8
- Charron, C., Fitzpatrick, E. M., McSweeney, E., Rabjohn, K., Somerville, R., & Steacie, P. (2016). Language ENvironment Analysis (LENA) with children with hearing loss: A clinical pilot. *Canadian Journal of Speech-Language Pathology and Audiology*, 40(1), 93-104.
- Costa-Giomi, E., & Sun, X. (2016). Infants' home soundscape: a day in the life of a family. In *Contemporary research in music learning across the lifespan* (pp. 87-96). Routledge.
- García-Sierra, A., Ramírez-Esparza, N., & Kuhl, P. K. (2016). Relationships between quantity of language input and brain responses in bilingual and monolingual infants. *International Journal of Psychophysiology*, 110, 1-17. doi: <https://doi.org/10.1016/j.ijpsycho.2016.10.004>
- Ko, E.-S., Seidl, A., Cristia, A., Reimchen, M., & Soderstrom, M. (2016). Entrainment of prosody in the interaction of mothers with their young children. *Journal of Child Language*, 43(2), 284-309. doi: <https://doi.org/10.1017/S0305000915000203>
- Pae, S., Yoon, H., Seol, A., Gilkerson, J., Richards, J. A., Ma, L., & Topping, K. (2016). Effects of feedback on parent-child language with infants and toddlers in Korea. *First Language*, 36(6), 549-569. doi: 10.1177/0142723716649273
- Sosa, A. V. (2016). Association of the type of toy used during play with the quantity and quality of parent-infant communication. *JAMA Pediatrics*, 170(2), 132-137. doi: 10.1001/jamapediatrics.2015.3753
- Suskind, D. L., Graf, E., Leffel, K. R., Hernandez, M. W., Suskind, E., Webber, R., . . . Nevins, M. E. (2016). Project ASPIRE: Spoken language intervention curriculum for parents of low-socioeconomic status and their deaf and hard-of-hearing children. *Ontology & Neurology*, 37(2), e110-e117. doi: 10.1097/MAO.0000000000000931
- Suskind, D. L., Leffel, K. R., Graf, E., Hernandez, M. W., Gunderson, E. A., Sapolich, S. G., . . . Levine, S. C. (2016). A parent-directed language intervention for children of low socioeconomic status: A randomized controlled pilot study. *Journal of Child Language*, 43(2), 366-406. doi: 10.1017/S0305000915000033
- Superreguy, M. I., & Davis-Kean, P. E. (2016). Maternal math talk in the home and math skills in preschool children. *Early Education & Development*, 27(6), 841-857. doi: 10.1080/10409289.2016.1148480
- VanDam, M., & Silbert, N. H. (2016). Fidelity of automatic speech processing for adult and child talker classifications. *PLoS ONE*, 11(8), 1-8. doi: <https://doi.org/10.1371/journal.pone.0160588>
- VanDam, M., Warlaumont, A. S., Bergelson, E., Cristia, A., Soderstrom, M., De Palma, P., & MacWhinney, B. (2016). HomeBank: An online repository of daylong child-centered audio recordings. *Seminars in Speech and Language*, 37(2), 128-141. doi: <http://dx.doi.org/10.1055/s-0036-1580745>

Wood, C., Diehm, E. A., & Callender, M. F. (2016). An investigation of language environment analysis measures for Spanish-English bilingual preschoolers from migrant low-socioeconomic-status backgrounds. *Language, Speech, and Hearing Services in Schools*, 47(2), 123-134. doi: 10.1044/2015_LSHSS-14-0115

Woynaroski, T., Oller, D. K., Keceli-Kaysili, B., Xu, D., Richards, J. A., Gilkerson, J., . . . Yoder, P. (2016). The stability and validity of automated vocal analysis in preverbal preschoolers with autism spectrum disorder. *Autism Research*, 10(3), 508-519. doi: 10.1002/aur.1667

2015

Gilkerson, J., Zhang, Y., Xu, D., Richards, J. A., Xu, X., Jiang, F., . . . Topping, K. (2015). Evaluating LENA System performance for Chinese: A pilot study in Shanghai. *Journal of Speech, Language, and Hearing Research*, 58(2), 445-452. doi: 10.1044/2015_JSLHR-L-14-0014

Kashinath, S., Pearman, A., & Canales, A. (2015). Using technology to facilitate authentic assessment of bilingual preschool children. *Perspectives on Communication Disorders and Sciences in Culturally and Linguistically Diverse Populations*, 22(1), 15-24. doi: 10.1044/cds22.1.15

Odean, R., Nazareth, A., & Pruden, S. M. (2015). Novel methodology to examine cognitive and experiential factors in language development: Combining eye-tracking and LENA technology. *Frontiers in Psychology*, 6(1266). doi: 10.3389/fpsyg.2015.01266

Pae, S., Yoon, H., Seol, A., & Gilkerson, J. (2015). The validity and reliability of the Korean version of the Developmental Snapshot. *Communication Sciences & Disorders*, 20(3), 355-363. doi: <http://dx.doi.org/10.12963/csd.15253>

Sangwan, A., Hansen, J. H. L., Irvin, D. W., Crutchfield, S., & Greenwood, C. R. (2015). Studying the relationship between physical and language environments of children: Who's speaking to whom and where? *Signal Processing and Signal Processing Education Workshop (SP/SPE), 2015 IEEE*. doi: 10.1109/DSP-SPE.2015.7369526

VanDam, M., Oller, D. K., Ambrose, S. E., Gray, S., Richards, J. A., Xu, D., . . . Moeller, M. P. (2015). Automated vocal analysis of children with hearing loss and their typical and atypical peers. *Ear and Hearing*, 36(4), e146-e152. doi: 10.1097/AUD.0000000000000138

Zhang, Y., Xu, X., Jiang, F., Gilkerson, J., Xu, D., Richards, J. A., . . . Topping, K. J. (2015). Effects of quantitative linguistic feedback to caregivers of young children: A pilot study in China. *Communication Disorders Quarterly*, 37(1), 16-24. doi: 10.1177/1525740115575771

2014

Abney, D. H., Warlaumont, A., Haussman, A., Ross, J. M., & Wallot, S. (2014). Using nonlinear methods to quantify changes in infant limb movements and vocalizations. *Frontiers in Psychology*, 5:771, 1-15. doi: 10.3389/fpsyg.2014.00771

Ambrose, S. E., VanDam, M., & Moeller, M. P. (2014). Linguistic input, electronic media, and communication outcomes of toddlers with hearing loss. *Ear and Hearing*, 35(2), 139-147. doi: 10.1097/AUD.0b013e3182a76768

Carr, J., Xu, D., & Yoshinaga-Itano, C. (2014). Language ENvironment Analysis language and autism screen and the child development inventory social subscale as a possible autism screen for children who are deaf or hard of hearing. *Seminars in Speech and Language*, 35(4), 266-275. doi: <http://dx.doi.org/10.1055/s-0034-1389099>

Caskey, M., Stephens, B., Tucker, R., & Vohr, B. (2014). Adult talk in the NICU with preterm infants and developmental outcomes. *Pediatrics*, 133(3), 1-7. doi: 10.1542/peds.2013-0104

Charlton, J. J. V., & Law, J. (2014). The story in a box: Measuring the online communication behaviours of children identified as having emotional and behavioural difficulties using LENA and Noldus Observer. *Emotional and Behavioural Difficulties*, 19(1), 41-58. doi: 10.1080/13632752.2013.854957

Jackson, C. W., & Callender, M. F. (2014). Environmental considerations: Home and school comparison of Spanish-English speakers' vocalizations. *Topics in Early Childhood Special Education*, 34(3), 165-174. doi: 10.1177/0271121414536623

Jin, Y. S., Seong, I. K., Lee, H. S., & Pae, S. (2014). Parent education program on social communication skills of preterm toddlers. *Korean Journal of Early Childhood Special Education*, 14(4), 121-142.

Johnson, K., Caskey, M., Rand, K., Tucker, R., & Vohr, B. (2014). Gender differences in adult-infant communication in the first months of life. *Pediatrics*, 134(6), e1603-1610. doi: 10.1542/peds.2013-4289

- Li, L., Vikani, A. R., Harris, G. C., & Lin, F. R. (2014). Feasibility study to quantify the auditory and social environment of older adults using a Digital Language Processor. *Otology & Neurotology*, 35(8), 1301-1305. doi: 10.1097/MAO.0000000000000489
- Ramírez-Esparza, N., García-Sierra, A., & Kuhl, P. K. (2014). Look who's talking: Speech style and social context in language input to infants are linked to concurrent and future speech development. *Developmental Science*, 17(5), 1-12. doi: 10.1111/desc.12172
- Sacks, C., Shay, S., Repplinger, L., Leffel, K. R., Sapolich, S. G., Suskind, E., . . . Suskind, D. (2014). Pilot testing of a parent-directed intervention (Project ASPIRE) for underserved children who are deaf or hard of hearing. *Child Language Teaching and Therapy*, 30(1), 91-102. doi: 10.1177/0265659013494873
- Thiemann-Bourque, K. S., Warren, S. F., Brady, N., Gilkerson, J., & Richards, J. A. (2014). Vocal interaction between children with Down syndrome and their parents. *American Journal of Speech-Language Pathology*, 23, 437-447. doi: 10.1044/2014_AJSLP-12-0010
- VanDam, M. (2014). Acoustic characteristics of the clothes used for a wearable recording device. *The Journal of the Acoustical Society of America*, 136(4), EL263-EL267. doi: <http://dx.doi.org/10.1121/1.4895015>
- Vohr, B. R., Topol, D., Watson, V., St Pierre, L., & Tucker, R. (2014). The importance of language in the home for school age children with permanent hearing loss. *Acta Paediatrica*, 103(1), 62-69. doi: 10.1111/apa.12441
- Wang, Z., Pan, X., Miller, K. F., & Cortina, K. S. (2014). Automatic classification of activities in classroom discourse. *Computers & Education*, 78, 115-123. doi: 10.1016/j.compedu.2014.05.010
- Warlaumont, A., Richards, J. A., Gilkerson, J., & Oller, D. K. (2014). A social feedback loop for speech development and its reduction in autism. *Psychological Science*, 25(7), 1314-1324. doi: 10.1177/0956797614531023
- Xu, D., Richards, J. A., & Gilkerson, J. (2014). Automated analysis of child phonetic production using naturalistic recordings. *Journal of Speech, Language, and Hearing Research*, 57(5), 1638-1650. doi: 10.1044/2014_JSLHR-S-13-0037

2013

- Burgess, S., Audet, L., & Harjusola-Webb, S. (2013). Quantitative and qualitative characteristics of the school and home language environments of preschool-aged children with ASD. *Journal of Communication Disorders*, 46(5-6), 428-439. doi: 10.1016/j.jcomdis.2013.09.003
- Caskey, M., & Vohr, B. (2013). Assessing language and language environment of high risk infants and children: A new approach. *Acta Paediatrica*, 102(03), 1-11. doi: 10.1111/apa.12195
- Irvin, D. W., Hume, K., Boyd, B. A., McBee, M. T., & Odom, S. L. (2013). Child and classroom characteristics associated with the adult language provided to preschoolers with autism spectrum disorder. *Research in Autism Spectrum Disorders*, 7(8), 947-955. doi: 10.1016/j.rasd.2013.04.004
- McDaniel, R., & Purdy, S. C. (2013). Using the Language ENvironment Analysis (LENA™) system to investigate the language environment and outcomes of deaf children: A pilot study. *New Zealand Journal of Speech-Language Therapy*, 67, 31-47.
- Ota, C. L., & Austin, A. M. B. (2013). Training and mentoring: Family child care providers' use of linguistic inputs in conversations with children. *Early Childhood Research Quarterly*, 28(4), 972-983. doi: <http://doi.org/10.1016/j.ecresq.2013.04.001>
- Soderstrom, M., & Wittebolle, K. (2013). When do caregivers talk? The influences of activity and time of day on caregiver speech and child vocalizations in two childcare environments. *PLoS ONE*, 8(11). doi: 10.1371/journal.pone.0080646
- Suskind, D., Leffel, K. R., Hernandez, M. W., Sapolich, S. G., Suskind, E., Kirkham, E., & Meehan, P. (2013). An exploratory study of "quantitative linguistic feedback": Effect of LENA feedback on adult language production. *Communication Disorders Quarterly*, 34(2), 1-11. doi: 10.1177/1525740112473146
- VanDam, M., & Silbert, N. H. (2013). Precision and error of automatic speech recognition. *Proceedings of Meetings on Acoustics*, 19, 060006. doi: 10.1121/1.4798466
- Wang, Z., Miller, K., & Cortina, K. (2013). Using the LENA in teacher training: Promoting student involvement through automated feedback. *Unterrichtswissenschaft*, 41(4), 290-305.

Weisleder, A., & Fernald, A. (2013). Talking to children matters: Early language experience strengthens processing and builds vocabulary. *Psychological Science*, 24(11), 2143-2152. doi: 10.1177/0956797613488145

Yoder, P. J., Oller, D. K., Richards, J. A., Gray, S., & Gilkerson, J. (2013). Stability and validity of an automated measure of vocal development from day-long samples in children with and without Autism Spectrum Disorder. *Autism Research*, 6(2), 103-107. doi: 10.1002/aur.1271

2012

Aragon, M., & Yoshinaga-Itano, C. (2012). Using Language ENvironment Analysis to improve outcomes for children who are deaf or hard of hearing. *Seminars in Speech and Language*, 33(04), 340-353. doi:10.1055/s-0032-1326918

Dykstra, J., Sabatos-DeVito, M. G., Irvin, D. W., Boyd, B. A., Hume, K. A., & Odom, S. L. (2012). Using the Language Environment Analysis (LENA) system in preschool classrooms with children with autism spectrum disorders. *Autism*, 17(6), 582-594. doi: 10.1177/1362361312446206

VanDam, M., Ambrose, S. E., & Moeller, M. P. (2012). Quantity of parental language in the home environments of hard-of-hearing 2-year-olds. *Journal of Deaf Studies and Deaf Education*, 17(4), 402-420. doi:10.1093/deafed/ens025

Wiggin, M., Gabbard, S., Thompson, N., Goberis, D., & Yoshinaga-Itano, C. (2012). The school to home link: Summer preschool and parents. *Seminars in Speech and Language*, 33(04), 290-296. doi:10.1055/s-0032-1326919

Xu, X., Zhang, Y., Mao, H., Xin, Y., & Xiao, L. (2012). The correlation of infants' and toddlers' responsiveness with language and cognitive development in Han-language families. *Chinese Journal of Evidence-Based Pediatrics*, 7(6), 435-439. doi:10.3969

2011

Caskey, M., Stephens, B., Tucker, R., & Vohr, B. (2011). Importance of parent talk on the development of preterm infant vocalizations. *Pediatrics*, 128(5), 910-916. doi: 10.1542/peds.2011-0609

Greenwood, C. R., Thiemann-Bourque, K., Walker, D., Buzhardt, J., & Gilkerson, J. (2011). Assessing children's home language environments using automatic speech recognition technology. *Communication Disorders Quarterly*, 32(2), 83-92. doi: 10.1177/1525740110367826

2010

Oller, D. K. (2010). All-day recordings to investigate vocabulary development: A case study of a trilingual toddler. *Communication Disorders Quarterly*, 31(4), 213-222. doi:10.1177/1525740109358628

Oller, D. K., Niyogi, P., Gray, S., Richards, J. A., Gilkerson, J., Xu, D., . . . Warren, S. F. (2010). Automated vocal analysis of naturalistic recordings from children with autism, language delay, and typical development. *Proceedings of the National Academy of Sciences*, 107(30), 13354-13359. doi:10.1073/pnas.1003882107 [This article contains supporting information online at www.pnas.org/lookup/suppl/doi:10.1073/pnas.1003882107/-/DCSupplemental]

Warlaumont, A. S., Oller, D. K., Dale, R., Richards, J. A., Gilkerson, J., & Xu, D. (2010). Vocal interaction dynamics of children with and without autism. *Proceedings of the 32nd Annual Conference of the Cognitive Science Society*, 121-126.

Warren, S. F., Gilkerson, J., Richards, J. A., Oller, D. K., Xu, D., Yapanel, U., & Gray, S. (2010). What automated vocal analysis reveals about the vocal production and language learning environment of young children with autism. *Journal of Autism and Developmental Disorders*, 40(5), 555-569. doi:10.1007/s10803-009-0902-5

Weil, L. W., & Middleton, L. (2010). Use of the LENA tool to evaluate the effectiveness of a parent intervention program. *Perspectives on Language Learning and Education*, 17, 108-111. doi:10.1044/lle17.3.108

2009

- Christakis, D. A., Gilkerson, J., Richards, J. A., Zimmerman, F. J., Garrison, M. M., Xu, D., . . . Yapanel, U. (2009). Audible television and decreased adult words, infant vocalizations, and conversational turns: a population-based study. *Archives of Pediatrics & Adolescent Medicine*, 163(6), 554-558. doi: 10.1001/archpediatrics.2009.61
- Xu, D., Gilkerson, J., Richards, J. A., Yapanel, U., & Gray, S. (2009). Child vocalization composition as discriminant information for automatic autism detection. *Proceedings of the 2009 International Conference of the IEEE Engineering in Medicine and Biology Society*, 2518-2522. doi:10.1109/IEMBS.2009.5334846
- Xu, D., Richards, J. A., Gilkerson, J., Yapanel, U., Gray, S., & Hansen, J. (2009). Automatic childhood autism detection by vocalization decomposition with phone-like units. *WOCCI '09 Proceedings of the 2nd Workshop on Child, Computer and Interaction*. doi:10.1145/1640377.1640382
- Yapanel, U., Xu, D., Hansen, J., Gray, S., Gilkerson, J. & Richards, J. A. (2009). Preliminary study of stress/neutral detection on recordings of children in the natural home environment. *WOCCI '09 Proceedings of the 2nd Workshop on Child, Computer and Interaction*. doi:10.1145/1640377.1640394
- Zimmerman, F. J., Gilkerson, J., Richards, J. A., Christakis, D. A., Xu, D., Gray, S., & Yapanel, U. (2009). Teaching by listening: The importance of adult-child conversations to language development. *Pediatrics*, 124(1), 342-349. doi:10.1542/peds.2008-2267

2008

- Xu, D., Yapanel, U., Gray, S., Gilkerson, J., Richards, J. A., & Hansen, J. (2008). Signal processing for young child speech language development. *Proceedings of the 1st Workshop of Child, Computer and Interaction*.