

## CURRICULUM VITAE

**Barbara Ann Mazanec Lewis, Ph.D.**  
**Associate Professor of the Department of Communication Sciences**  
**Adjunct Associate Professor of the Department of Pediatrics**

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### EDUCATION:

1976 B.S., Biology/Psychology (Chemistry Minor), Saint Mary's College,  
Notre Dame, Indiana.

1979 M.A., Communication Sciences, Case Western Reserve University,  
Cleveland, Ohio.

1987 Ph.D., Communication Sciences, Case Western Reserve University,  
Cleveland, Ohio. Dissertation: A Familial Study of Children with  
Severe Speech Sound Disorders.

### LICENSURE AND CERTIFICATION:

1979-present Certificate of Clinical Competence in Speech/Language Pathology,  
American Speech-Language-Hearing Association.

1979-present Licensed Speech Pathologist, State of Ohio

### COURSES TAUGHT:

COSI 497 Methods of Research  
COSI 456 Child Language Disorders  
COSI 453 Articulation and Phonology Disorders  
COSI 413 Language Development  
COSI 390 Independent Study "Selected Topics in Articulation and Phonology Disorders".

**PROFESSIONAL MEMBERSHIPS:**

1979- present American Speech/Language/Hearing Association  
1987-present Ohio Speech and Hearing Association  
1991-present Behavior Genetics Association  
1995- present Northern Ohio Branch Dyslexia Association

**EDITORIAL BOARDS AND REVIEW EXPERIENCE**

2006-present Reviewer for International Journal of Language and Communication Disorders  
2003-Present Reviewer for American Journal of Speech and Language Pathology  
2004-2005 Reviewer for Developmental and Behavioral Pediatrics  
1996-Present Editorial consultant and reviewer for Language, Speech and Hearing in the Schools  
1993-Present Reviewer for Journal of Speech, Language and Hearing Research

**RESEARCH INTERESTS:**

Etiological factors related to speech and language disorders in children  
Genetics of speech, language, reading, spelling and ADHD  
Long-term outcomes for individuals with speech and language disorders  
Cocaine exposure in utero and speech and language disorders  
Bronchopulmonary Dysplasia and long-term outcomes  
Genetic Syndromes and speech and language disorders  
Childhood Apraxia of Speech  
Functional imaging of speech production

**PUBLICATIONS SINCE 2000:**

1. Lewis, B.A., Freebairn, L., & Taylor, H.G. Follow-up of children with early expressive phonology disorders, Journal of Learning Disabilities, 2000, 33(5), 433-444.
2. Lewis, B.A., Freebairn, L.A., & Taylor, H.G. (2000) Predicting school-age outcomes for children with histories of speech sound disorders. Journal of Communication Disorders, 33, 11-30.
3. Short, E.J., Klein, N., Lewis, B., Fulton, S., Guo, S., Carlisle, M., Baley, J., & Singer, L.T. (2000). The stability of intelligence in BPD, VLBW, & Term children: Follow-up at eight years of age. Pediatric Research, 45(4), 323A.
4. Lewis, B.A., 2001, Familial and Genetic bases of speech and language disorders, In Levy, F. and Hay, D. (Eds.). Genetics of Attention Deficit and Hyperactivity Disorders, Taylor & Francis, Inc.: Philadelphia, PA.

5. Lewis, B.A., Freebairn, L., Heeger, S. & Cassidy, S.D. (2002) Speech and language skills of individuals with Prader-Willi Syndrome. American Journal of Speech-Language Pathology, 11, 1-10.
6. Lewis, B.A., Freebairn, L.A., & Taylor, H.G. (2002) Correlates of spelling abilities in children with early speech disorders. Reading and Writing: An Interdisciplinary Journal, 15, 389-407.
7. Lewis, B.A., Singer, L.T., Fulton, S., Salvator, A., Short, E.J., Klein, N., & Baley, J. (2002) Speech and Language Outcomes of Children with Bronchopulmonary Dysplasia. Journal of Communication Disorders, 35, 393-406.
8. Singer, L.T., Siegel, A.C., Lewis, B.A., Hawkins, S., Yamashita, T., & Bailey, J. 2001. Preschool language outcomes of children with history of bronchopulmonary dysplasia and very low birthweight. Journal of Developmental and Behavioral Pediatrics, 22(1), 19-26.
9. Singer, L.T., Arendt, R., Minnes, S., Salvator, A., Siegal, C.A., & Lewis, B.A. (2001) Developing language skills of cocaine exposed infants. Pediatrics, 107(5), 1057-1064.
10. Tiu, R.D., Thompson, L.A., & Lewis, B.A. (2003). The role of IQ in a component model of reading. Journal of Learning Disabilities, 36(5) 424-436.
11. Short, E.J., Klein, N.K., Lewis, B.A., Fulton, S., Eisengart, S., Kercksmar, C., Baley, J., Singer, L.T. Cognitive and academic consequences of bronchopulmonary dysplasia and very low birth weight. Pediatrics, 2003, 112(5), 359-366.
12. Lewis, B.A., Freebairn, L.A., Hansen, A., Taylor, H.G., Iyengar, S. & Shriberg, L.D.(2004). Family pedigrees of children with suspected childhood apraxia of speech. Journal of Communication Disorders, 37(2), 157-175.
13. Lewis, B.A., Freebairn, L.A., Hansen, A.J., Iyengar, S.K., Taylor, H.G. (2004). School-age follow-up of children with childhood apraxia of speech. Language Speech and Hearing Services in the Schools, 35, 122-140.
14. Stein, C.M., Schick, J.H., Taylor, H.G., Shriberg, L.D., Millard, C., Kundtz-Kluge, A., Reading, K., Minich, N., Hansen, A., Freebairn, L.A., Elston, R.C., Lewis, B.A., Iyengar, S.K. (2004). Pleiotropic effects of a chromosome 3 locus on speech-sound disorder and reading. Am. J. of Human Genetics, 74, 283-297.
15. Shriberg, L.D., Lewis, B.A., Tomblin, J.B., McSweeney, J. L., Karlsson, H.B., Scheer, A.R. (2005) Toward diagnostic and phenotype markers for genetically-transmitted speech delay. Journal of

Speech, Language and Hearing Research, 48(4), 834-852.

16. Lewis, B.A., Singer, L.T., Short, E.J., Minnes, S., Arendt, R., Weishampel, P., Klein, N., O Min, M. (2004). Four-year language outcomes of children exposed to cocaine in utero. Journal of Neurotoxicology and Teratology, 617-627.
17. Singer, L.T., Minnes, S., Short, E., Arendt, R., Farkas, K., Lewis, B., Klein, N., Russ, S., Min, M., Kirchner, H.L. (2004). Cognitive Outcomes of Preschool Children with Prenatal Cocaine Exposure. Journal of American Medical Association, 291(20), 2448-2456.
18. Singer, L.T., Arendt, R.E., Minnes, S., Lewis, B., Klein, N., Short, E.J., Russ, S., & Salvator A. (2001). Cognitive abilities at 4 years after fetal cocaine/polydrug exposure, Pediatric Research, 46, 303A.
19. Lewis, B.A. (2004) Genetic Transmission of Speech Disorders. In Kent, R. (Ed.) MIT Encyclopedia of Communication Disorders, The MIT Press, pp 183-185.
20. Lewis, B.A., Freebairn, L.A., Hansen, L.A., Stein, C.M., Shriberg, L.D., Iyengar, S.K., & Taylor, H.G. (2006). Dimensions of Early Speech Sound Disorders, Journal of Communication Disorders, 39, 139-157.
21. Lewis, B.A., Shriberg, L.D., Freebairn, L.A., Hansen, A.J., Stein, C.M., Taylor, H.G., & Iyengar, S.K. (2006), The Genetic Bases of Speech Sound Disorders: Evidence from Spoken and Written Language. Journal of Speech, Language, and Hearing Research, 49, 1294-1312.
22. Lewis, B.A.(2006), Speech and language disorders associated with prader-willi syndrome. Butler, M.G., Lee, P.D.K., & Whitman, B. (Eds.), Management of Prader-Willi Syndrome (third edition), Springer: New York, N.Y., pp 272-283.
23. Short, E.J., Kirchner, H.L, Asaad, G., Fulton, S., Lewis, B., Klein, N., Eisengart, S., Baley, J., Kercsmar, C., Meeyoung, O.M., Singer, L.T. (2007). Developmental sequelae of preterm infants diagnosed with bronchopulmonary dysplasia: Analysis using a severity based classification system. Archives of Pediatric and Adolescent Medicine, 161(11) 1082-1088.
24. Lewis, B.A., Freebairn, L.A., Hansen, A.J., Miscimarra, L., Iyengar, S.K., & Taylor, H.G. (2007). Speech and language skills of parents of children with speech-sound disorders. American Journal of Speech Language Pathology, 16, 108-118.
25. Stein, C.M., Millard, C., Kluge, A., Miscimarra, L.E., Cartier, K.C., Freebairn, L., Hansen, A., Shriberg, L.D., Taylor, H.G., Lewis, B. A., & Iyengar, S. K. (2006). Speech sound disorders influenced by a locus in 15q14 region. Behavior Genetics, 36, 858-868.

26. Miscimarra, L., Stein, C., Millard, C., Kluge, A., Cartier, K., Freebairn, L., Hansen, A., Shriberg, L., Taylor, H.G., Lewis, B., & Iyengar, S. (2007). Further evidence of pleiotropy influencing speech and language: analysis of DYX8 region. Human Heredity, 63, 47-58.
27. Lewis, B.A., Singer, L.T., Kirchner, H.L., Short, E., Minnes, S., Weishampel, P., & Satayathum, S. (2007). Prenatal cocaine and tobacco effects on children's language trajectories. Pediatrics, 120, e78-e85.
28. Lewis, B., Fulton, S., Short, E., Nelson, S., Lombardi, J., Rosenbaum, D., Kercksmar, C., Bayley, J., Singer, L. (2007). A longitudinal case study of a child with mosaic trisomy 22: Language, cognitive, behavioral, physical and dental outcomes. American Journal of Medical Genetics- Part A., 143(17), 2070-2074.
29. Sices, L., Taylor, H.G., Freebairn, L., Hansen, A., Lewis, B. (2007). The relationship between speech sound disorders and early literacy skills in preschool-aged children: impact of co-morbid language impairment. Journal of Developmental and Behavioral Pediatrics, 28(6) 438-447.
30. Singer, L.T., Fulton, S., Kirchner, H.L., Eisengart, S., Lewis, B., Short, E., Min, M.O., Kercksmar, C., Baley, J.E. (2007). Parenting very low birthweight children at school age: maternal stress and coping. Journal of Pediatrics, 463-468.
31. Lewis, B.A., Ekelman, B.L. (October, 2007) Literacy problems associated with severe speech sound disorders, Perspectives on Language, Learning and Education, American Speech-Language-Hearing Association Special Interest Division 1 Newsletter, October 2007, 10-17.
32. Lewis, B. A. (2007). Genetic Foundations of Speech Impairment. In McLeod, S. (Ed.), The International Guide to Speech Acquisition. Thomson Delmar Learning: Clifton Park, N.Y., pp 31-37.
33. Lewis, B.A., Short- and long-term outcomes for children with speech sound disorders. Canadian Language and Literacy Research Network, 2007.
34. Lewis, B.A., in press, Genetic Influences on Speech Sound Disorders. In Paul, R. and Flipsen, P. (Eds.), Speech Sound Disorders in Children. Plural Publishing Inc.: San Diego, CA.