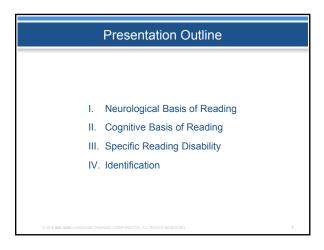
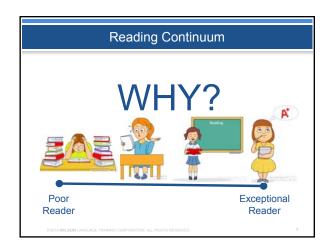
Arkansas Reading Association Literacy Conference November 19-20, 2015

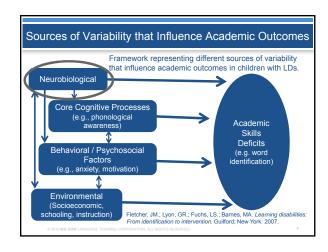
An Overview of Developmental Dyslexia and Specific Reading Disability

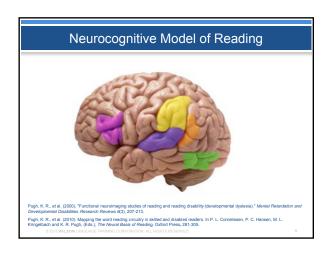
The presentation reviews the cognitive and neurocognitive basis of dyslexia. It also summarizes specific reading disability (SRD) and the identification process. Case studies of student profiles are provided, along with recommendations for addressing the instructional needs of students with a SRD.

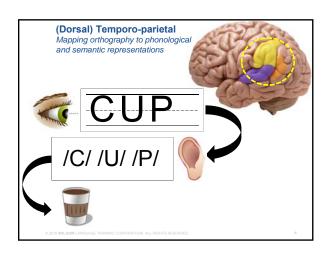
An overview of developmental dyslexia and specific reading disability Timothy N. Odegard, PhD Murfree Chair of Excellence in Dyslexia Studies Tennessee Center for the Research and Treatment of Dyslexia, Middle Tennessee State University (formerly the Director of Research and Evaluation, Wilson Language Training)

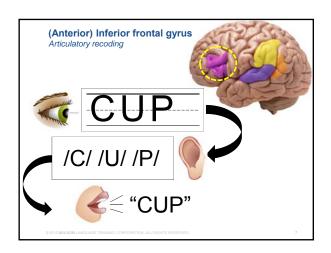


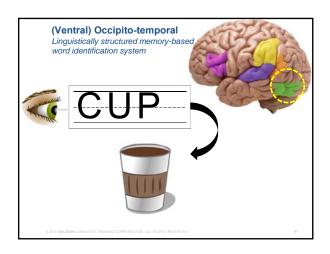


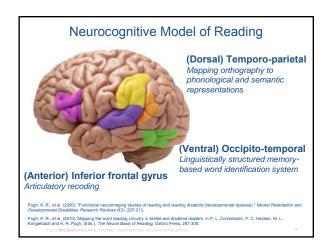


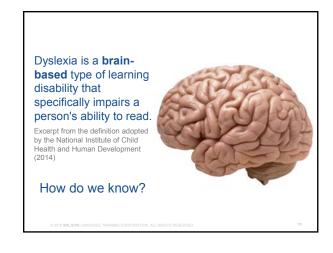


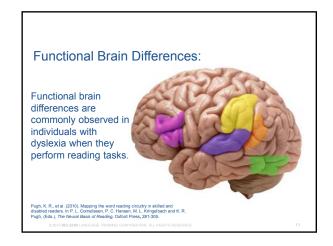


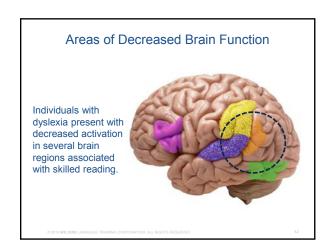


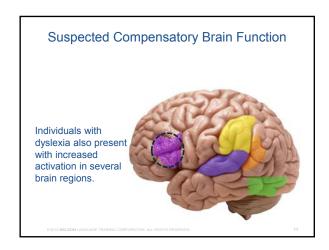


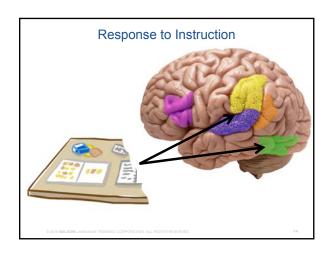


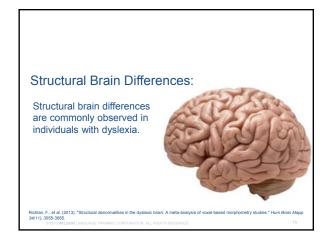


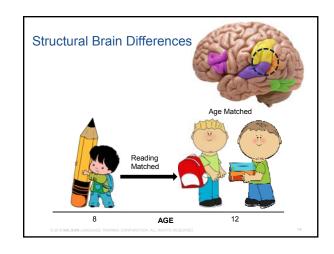


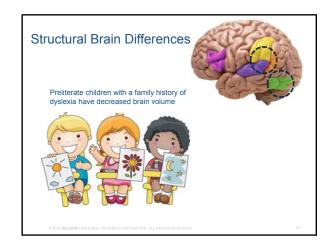




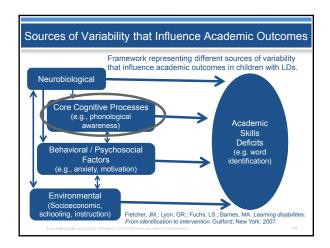


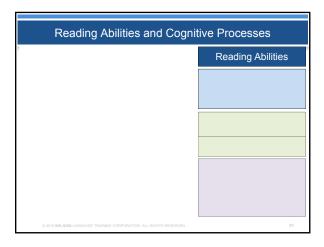


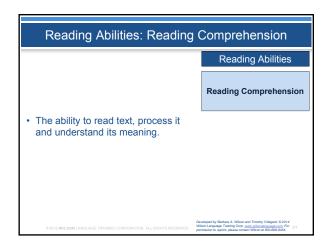


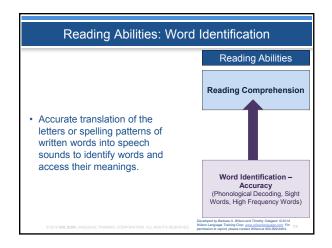


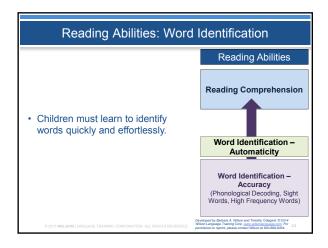
Takeaway Points from Brain Research There is evidence documenting functional and structural brain differences in children and adults with dyslexia. Some differences are likely due to the lack of exposure to reading resulting in developmental delays. Some differences are likely not the result of developmental delays and are rather the result of something else. Future research is still needed to determine what that something else is and identify the neurobiological factors causing dyslexia.

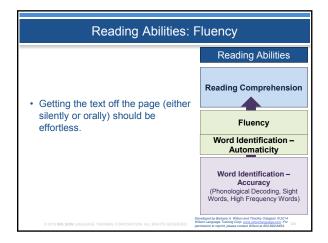


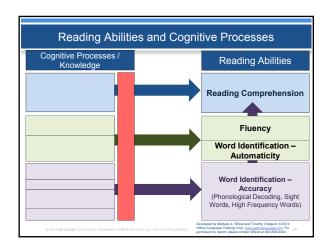


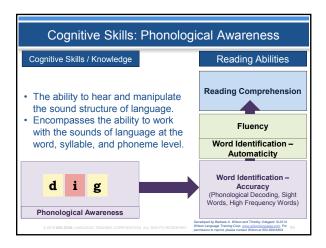


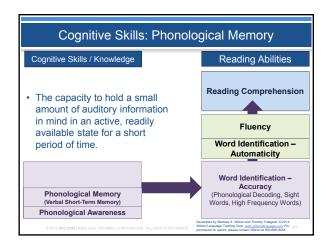


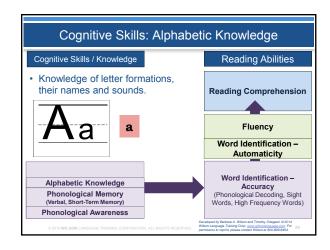


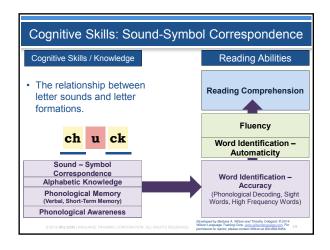


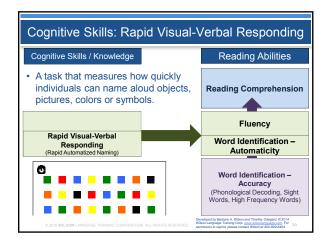


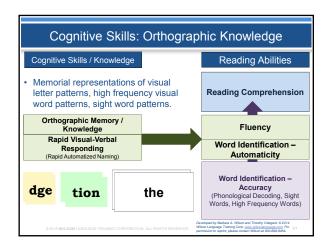


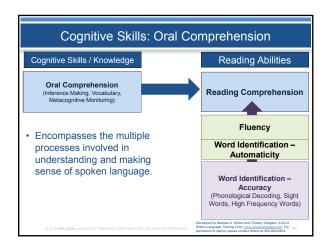


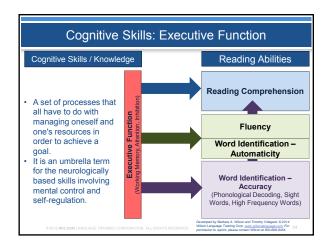


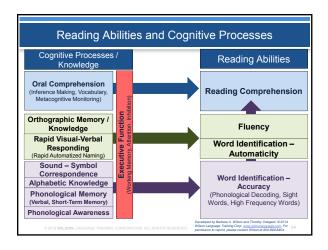




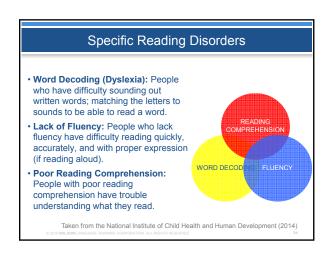


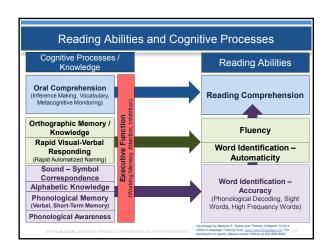


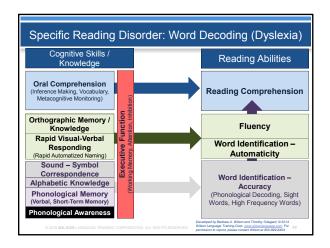


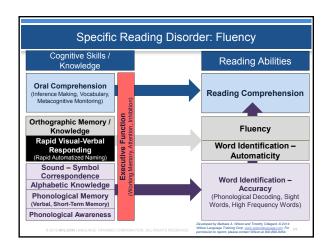


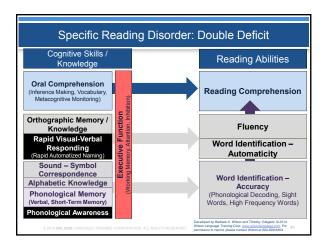
Cognitive processes and knowledge undergird reading achievement. Research has established links between cognitive processes and different areas of reading. Individual differences in cognitive processes and knowledge provide one of the causal explanations as to why people have varying levels of reading ability.

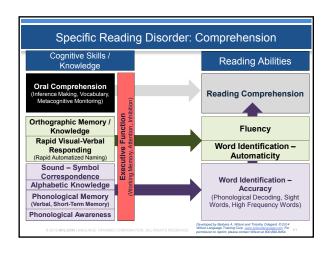


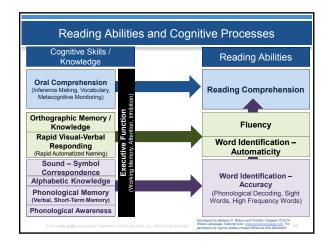








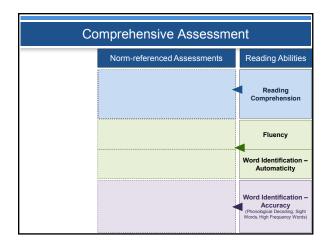


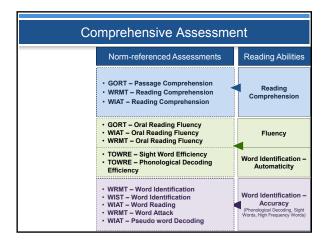


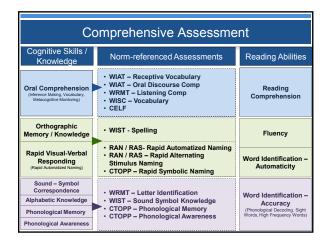
Takeaway Points from Specific Reading Disability There are numerous reasons why individuals vary in reading ability. There is a growing awareness that individuals can have reading disabilities specific to word-level skills, fluency, and / or reading comprehension. The cognitive skills model has helped inform our understanding of specific reading disabilities There is not a single profile that individuals with a specific reading disability fit.

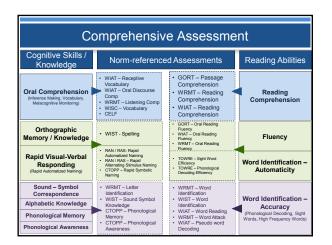
Identification of a Reading Disability					
	Ability – Achievement Discrepancy	Intra Individual Differences	Response to Instruction		
Basic Idea	Learning disability as unexpected underachievement	Learning disabilities as a disorder in basic psychological processes	Prevention and early intervention		
Decision Making	Comparison of two test scores	Profile analysis of multiple test scores	Underachievement and insufficient progress		
Timeframe	Fixed point in time	Fixed point in time	Multiple assessments over time		
Key student data	IQ scores; achievement scores	Cognitive ability / processes; achievement scores	Achievement measures; curriculum based measurement		

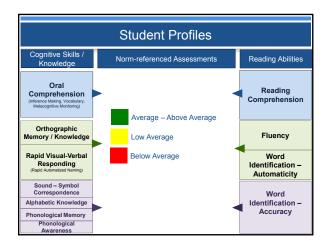
Identification of a Reading Disability Across all three identification methods, it is common practice to test a student with a comprehensive battery of assessments to confirm and characterize reading deficits.

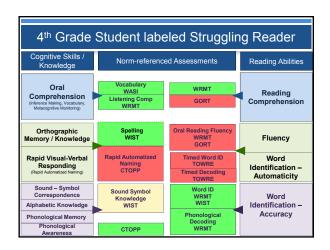


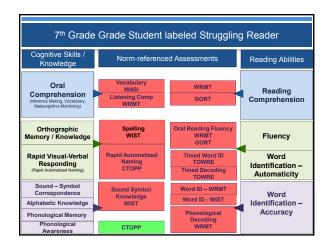












Takeaway Points The term struggling reader misrepresents the complexity of the student's profile. The information collected from these assessments can be useful to getting a better handle on a student's areas of instructional need. An assessment battery is most powerful when leveraged to inform and differentiate instruction.