What Are the Effects of Dyslexia

Signs of typical reading development and possible indicators of risk for dyslexia.

**Preschool Years**

**Typical Readers**
- Notice repeated sounds in oral language (e.g. Baa, Baa, Black Sheep)
- May start to pay attention to beginning or rhyming sounds in words
- Know the functions of print (e.g. know that different texts are used for different purposes, know that print has meaning)
- Know 10 alphabet letters, and the letters in their name

**Readers at Risk for Dyslexia**
- Have trouble learning common nursery rhymes
- Not recognize rhyming patterns.
- Have difficulty learning and remembering the names of letters in the alphabet
- Use persistent “baby talk”

**Kindergarten to 1st Grade**

**Typical Readers**
- Learn one-to-one letter sound correspondences
- Understand that speech sounds map on to printed letters to form words
- Learn to decode regular one-syllable words using their knowledge of letter-sound correspondences
- Begin to make sense of what they are reading

**Readers at Risk for Dyslexia**
- Not associate letters with sounds
- Make reading errors that show no connection to the sounds of the letters on the page
- Not understand that words “come apart”
- Not be able to sound out simple words like map, cat, pan
- Complain about how hard reading is

**2nd Grade and Beyond**

**Typical Readers**
- Use knowledge of letter-sound correspondences to sound out unknown words
- Use word parts to decode regular multisyllabic words
- Read accurately and fluently enough to concentrate on comprehension

**Readers at Risk for Dyslexia**
- Often be very slow in acquiring reading skills
- Often guess at words
- Not be able to sound out words
- Confuse words that sound alike
- Avoid reading out loud
- Have poor spelling and messy handwriting

The research reported here is funded by a grant to the National Center on Improving Literacy from the Office of Elementary and Secondary Education, in partnership with the Office of Special Education Programs [Award #: S283D160003]. The opinions or policies expressed are those of the authors and do not represent views of OESE, OSEP, or the U.S. Department of Education. You should not assume endorsement by the Federal government. Copyright © 2019 National Center on Improving Literacy.