Types of learning disorders include:

- Reading disorder
- Mathematics disorder
- Disorder of written expression
- Learning disorder not otherwise specified (NOS)

**Epidemiology**

**Reading Disorder**
- 4% of school-age children
- Boys affected 3 to 4 times as often as girls

**Mathematics Disorder**
- 5% of school-age children
- May be more common in girls

**Disorder of Written Expression**
- Affects 3 to 10% of school-age children
- Male-to-female ratio unknown

**Etiology**

Learning disorders may be caused by genetic factors, abnormal development, perinatal injury, and neurological or medical conditions.

**Treatment**

Remedial education tailored to the child's specific needs

**Disruptive Behavioral Disorders**

Disruptive behavioral disorders include conduct disorder and oppositional defiant disorder.

**Conduct Disorder**

**Diagnosis and DSM-IV Criteria**

A pattern of behavior that involves violation of the basic rights of others or of social norms and rules, with at least three acts within the following categories during the past year:

1. Aggression toward people and animals
2. Destruction of property
3. Deceitfulness
4. Serious violations of rules

**Epidemiology**

- Prevalence: 6 to 16% in boys, 2 to 9% in girls
- Etiology involves genetic and psychosocial factors.
- Up to 40% risk of developing antisocial personality disorder in adulthood
- Increased incidence of comorbid attention deficit hyperactivity disorder and learning disorders
- Increased incidence of comorbid mood disorders, substance abuse, and criminal behavior in adulthood