

# Attention-Deficit Hyperactivity Disorder (ADHD) and Children

Attention-deficit hyperactivity disorder (ADHD) is one of the most common reasons children are referred for mental health services. It affects as many as one in every 20 children. Although boys are three to four times more likely than girls to experience ADHD, the disorder affects both boys and girls.

## What Are the Signs and Symptoms?

There are three main types of ADHD. One type is characterized by inattentiveness, one type is characterized by hyperactive or impulsive behavior, and the third type is combined—when children exhibit signs of both types. Symptoms are often unnoticed until a child enters school. To be diagnosed with ADHD, a child must show symptoms in at least two settings, such as home and school, and the symptoms must interfere with the child's ability to function at home or school for at least six months. Specialists have agreed that at least six symptoms from the following lists must be present for an accurate diagnosis, and symptoms must begin by age 7.

### Signs of inattentive behavior:

- Has difficulty following instructions
- Has difficulty focusing on tasks
- Loses things at school and at home
- Forgets things often
- Becomes easily distracted or has difficulty listening
- Lacks attention to detail, makes careless mistakes or is disorganized
- Fails to complete homework or tasks

### Signs of hyperactive behavior:

- Is fidgety
- Leaves seat when shouldn't
- Runs or climbs inappropriately
- Talks excessively
- Difficulty playing quietly
- Always on the go
- Blurts out answers
- Has trouble waiting turn
- Interrupts

The presence of some symptoms, however, does not confirm a diagnosis of ADHD. Just because a child has a lot of energy or difficulty paying attention in school does not mean the child has ADHD. An accurate diagnosis relies on the presence of a range of symptoms and difficulties that prevent the child from performing at an appropriate level for his or her age and intelligence level. Teachers often first observe these issues, and their input should be considered seriously.

## How Does ADHD Affect School and Social Life?

Symptoms of ADHD can make school difficult for a child with the disorder. Although most children with ADHD have normal or above-normal intelligence, 40 to 60 percent have serious learning difficulties. Many others have specific problems with schoolwork or maintaining good grades, and face particular challenges with assignments and tests that require focused attention or lengthy writing, or have time limits. On a social level, children with ADHD often have trouble developing meaningful relationships with peers and family members. Other children may find it frustrating to play with a child who has ADHD, because classic symptoms include difficulty following rules, waiting one's turn or excessive talking.

## **What Other Disorders Commonly Occur With ADHD?**

Children and adolescents with ADHD are more likely than children without the disorder to suffer from other mental disorders. About one-half of all young people with ADHD have oppositional defiant disorder; about one-quarter have an anxiety disorder; as many as one-third have depression; and one-fifth have bipolar disorder. Adolescents with untreated ADHD are at risk for substance abuse disorders. Research shows that young people treated for ADHD have lower rates of substance abuse than children who go untreated.

## **What Causes ADHD?**

ADHD is nobody's fault. Researchers believe that biology and genes play a large role in the development of ADHD. In fact, 30 to 40 percent of children diagnosed with ADHD have relatives with the same disorder. Brain scans reveal that the brains of children with ADHD differ from those of children without the disorder. Children with ADHD are thought to have problems with the part of the brain that controls the organization and direction of thought and behavior.

## **What Can Parents and Caregivers Do?**

Children with symptoms of ADHD should be referred to and evaluated by a mental health professional who specializes in treating children, unless your primary care doctor has experience in treating this disorder. The diagnostic evaluation should include behavioral observation in the classroom and at home. A comprehensive treatment plan should be developed with the family, and, whenever possible, the child should be involved in making treatment decisions. Educational testing should be performed when learning disabilities are present.

Treatment for ADHD is effective for most children. Early identification, diagnosis and treatment help children reach their full potential. The most effective treatments for ADHD include a combination of medication, behavioral therapy, and parental support and education. Nine out of 10 children respond to medication, and 50 percent of children who do not respond to an initial medication will respond to a second. When ADHD co-occurs with another disorder, such as depression or anxiety, a combination of medication and psychotherapy is shown to be particularly effective. Although the value of medication has been well-documented, parents should feel free to discuss any concerns about medication use with their child's doctor. [Click here for a guide to medications used in the treatment of childhood ADHD.](#)

If your child or a child you know is diagnosed with ADHD, be patient. Even with treatment, symptoms may take time to improve. Instill a sense of competence in the child or adolescent. Promote his or her strengths, talents and feelings of self-worth. Remember that the side effects of untreated ADHD (such as failure, frustration, discouragement, social isolation, low self-esteem and depression) may cause more problems than the disorder itself.

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