I f you’re like most parents, the thought of your child with attention-deficit/hyperactivity disorder (AD/HD) obtaining a driver’s license is a cause of major concern, if not downright scary. You’ve seen firsthand the difficulties your child has with self-control, staying focused, paying attention and resisting distractions, and you know how important these attributes are to safe driving. You may feel your child is not ready to manage this high stakes responsibility at age 16, 17 or 18, but you also know that obtaining a license cannot be postponed forever. What are the risks, and what is a parent to do?

We know from existing research that adolescents and young adults with AD/HD have problems with inattentiveness, concentration, self-control, impulsivity, hyperactivity, distractibility and risk taking, and are also at increased risk for co-existing problems with substance abuse. They tend to be developmentally immature, compared to their peers of the same age. Given all of these risk factors, along with their lack of driving experience, it would not be surprising to suspect that adolescents and young adults with AD/HD have poorer driving performance and outcomes than those without AD/HD. But is this true? What does the science tell us about this high stakes and often-contentious issue? Do adolescents and adults with AD/HD actually have more driving difficulties and negative driving outcomes than others without AD/HD?

The answer appears to be a resounding YES. Several research studies have now firmly established that adolescents and adults with AD/HD experience more negative driving behaviors and outcomes than their peers without the disorder. Here is a brief overview of the major findings from some of these studies.

Research Findings

Results of a 1970s long-term study of hyperactive children followed to adulthood found that adults with AD/HD were more likely to be involved in accidents than their peers without hyperactivity.1 This study also found that although most adults had been involved in at least one auto accident, those with a childhood history of AD/HD had more frequent and more severe accidents (as measured by monetary damage to vehicles).

A three-to-five-year follow-up survey of 35 adolescents with AD/HD and 36 adolescents without, ages 16 to 22, found the AD/HD group was (1) almost four times more likely to have had an accident while they were the driver; (2) more likely to have been cited for repeated traffic violations, mostly for speeding; (3) more likely to have had their licenses suspended or revoked; (4) more likely to have driven illegally before receiving their license; and (5) less likely to be practicing sound driving habits as reported by their parents.

A larger study by Russell Barkley, Ph.D., and colleagues3 explored the driving ability and outcomes of 105 adults with AD/HD and 64 adults without the disorder, using both self-reporting and official driving records obtained from departments of motor vehicles. The results were similar to the previous studies.
More specifically, the groups did not differ in the proportion of individuals having at least one accident. However, more than twice as many adults with AD/HD had been involved in three or more accidents as the driver compared to the group without AD/HD (25.7 percent vs. 9.4 percent). The AD/HD group had more incidents, more “at fault” crashes, more speeding tickets and license suspensions, more episodes of driving illegally before getting their license and more severe monetary damage per accident ($4,221 vs. $1,665) than individuals without AD/HD.

A more recent study found people with AD/HD have to do with more difficulties with attentiveness, impulse control, inhibition, vigilance, sense of time, resistance to distraction and rule following as measured by various laboratory test instruments. These factors are presumed to be important in safe driving; therefore, these findings would suggest greater driving risks for those with AD/HD.

Finally, a recent long-term study of children with AD/HD followed into adulthood found much the same results as the earlier Barkley studies. However, this study also employed trained driving instructors observing and rating subjects driving during actual road tests. Observations by the instructors indicated a significantly greater number of driving errors due to impulsiveness in the AD/HD group compared to the control group. In addition, the AD/HD group had slower and more variable reaction times, greater steering variability, and a greater number of scrapes and crashes on a driving simulator machine.

These findings of significant driving problems in those with AD/HD extend beyond the United States. Two studies of adolescents in New Zealand found similar results. In these studies, those with AD/HD were at higher risk for various traffic offenses including crashes, crashes resulting in injury, driving without a license, and drinking and driving.

Intervention

What can be done to reduce the likelihood of these negative driving outcomes? Although we do not yet have a firm foundation of scientific intervention studies to guide us, common sense suggests the following:

1. Parents should model safe driving habits, such as always buckling seat belts before driving, checking mirrors, using turn signals, adjusting to weather conditions, maintaining a safe distance between cars, driving within the speed limit, not talking on the cell phone while driving and keeping the music at a reasonable decibel level. Parents should emphasize the severe consequences of driving under the influence of alcohol, drugs and even sleep deprivation.

2. Read the book entitled AD/HD and Driving: A Guide for Parents of Teens with AD/HD by Marlene Snyder Ph.D. This is an excellent and comprehensive “must read” for parents of children with AD/HD that includes sample driving contracts, tips to promote safe driving behaviors and strategies for dealing with poor driving behaviors.

3. Drivers who have AD/HD should always take their prescribed medication. In fact, four recent studies have found preliminary but compelling evidence that stimulant medication improves the driving performance of individuals with AD/HD.

4. Teens and young adults should consider choosing larger cars with good safety ratings whenever possible.

5. Parents should require more supervised practice hours, including nighttime practice.

6. In some cases, it may be advisable to delay obtaining a teen’s license for one to several years.

A number of states use a graduated licensing system in which young drivers are required to undergo longer training periods to obtain both learner’s permits and regular licenses. Currently, California, Florida, Michigan and Virginia require junior operators to complete at least 50 hours of supervised driving, including nighttime practice before a regular license is issued. In addition, a graduated system may allow a junior operator to drive only during daylight hours and might prohibit having other teens in the car. After a designated period of time without violations, they progress to the next level of driving privileges, including nighttime driving and driving with others in the car. Some states impose stiffer penalties for junior operator driving infractions as a deterrent to unsafe practices. It is still unclear to what extent such a hierarchical graduated system with lengthier practice periods and stiffer sanctions for rule violations will result in better outcomes, but it may be well worth finding out.

Conclusion

The risks associated with AD/HD and driving have been clearly established through sound scientific research. It is critically important for parents, adolescents and adults with AD/HD to understand and acknowledge these risks and take appropriate action to reduce them.

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References


