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Attention Deficit Hyperactivity Disorder (ADHD) – a statistical analysis of incidence in Texas and other states.

The percent of children estimated to have Attention Deficit Hyperactivity Disorder (ADHD/ADD) in Texas has increased over time. In 2007 4.8% of children in Texas were diagnosed ADHD, ranking them 46 in the nation. Just four years later (2011), the tally has risen to 9% ranking them 28. Clearly the diagnosis of ADHD/ADD is rising in Texas. What about the other states in USA? In our brief analysis, we will try to make a comparative study between Texas and other states in USA using standard statistical tools such as ANOVA, Multiple Linear Regression and some nonparametric techniques. Once we have some understanding of the situation in Texas, we extend our study to the other states. We will also study if the literacy level is going up with time in order to study the awareness and if the diagnostic techniques have improved over the years to keep track of more ADHD cases. It is also a question if the diagnosis is right in each and every situation. The intuition suggests that there could be a lot of cases of misdiagnosed children giving rise to study on misclassification of individuals but this we rather leave for future considerations. Our statistical study is based on the online data resources provided by Center of Disease Control and Prevention (CDC) website. (Received September 18, 2015)