

The disorder and is diagnosed in children above

[Life](#), [Emotions](#)



The human brain consists of about 90% of water. It is roughly categorised into 3 parts: Cerebrum, Cerebellum and brain stem¹. The basic functions of these parts are to sense, control various activities such as controlling secretion and maintaining the entire body function.

Cerebrum, deals with emotions, movement initiation, consciousness awareness of sensation. Cerebellum, deals with muscle movement and balance maintenance. Brain stem, controls heart regulation, respiration, and hormone secretion². The brain is most important part of the human body any kind of imbalance leads to various diseases which can be long term or short term duration, curable or non-curable depending on its severity. Some of the diseases related to brain are: Autism Spectrum Disorder, Parkinson's disease, schizophrenia, cerebral palsy, etc. Autism is a Greek word which means "isolated self", Autism Spectrum Disorder (ASD) is a brain disorder which is related to inability to understand emotions and gestures, social awkwardness, disconnected to people in surroundings, failure to read or write or speak fluently, repeatable behaviour⁶, etc.

, are the symptoms of this disorder. This is usually a non-curable disorder and is diagnosed in children above 1 year old. It's a disease related to cerebrum. It is related to "Spectrum" of symptoms, level of severity, disability and skills. It can be considered as a disorder rather than a disease; its diagnosis is difficult in today's time which is encouraging researchers in Signal Processing, Neuroscience and Artificial Intelligence domain. This disorder is increasing at an exponential rate. According to reports of April 2017, by Centre for Disease Control and Prevention (CDC), 1 in every 68 child is detected with Autism with boys to girls ratio being 4.

<https://assignbuster.com/the-disorder-and-is-diagnosed-in-children-above/>

5: 1 2. Figure 1 showsthe statistics of ASD patients of various years according to the surveyconducted by Autism and Developmental Disabilities Monitoring (ADDM). ASDsbegin in childhood and tend to persist into adolescence and adulthood. Whilesome people with ASD can live independently, others have severe disabilitiesand require life-long care and support.

Globally, access to services and support for people with ASD is inadequate. IT can be categorised into three types: Low functioning Autism (LFA) or mild autism, Medium functioning Autism (MFA) or moderate autism and High functioning Autism(HFA) or severe autism 1.