

## Autism Edmonton

Autism Edmonton - Autism is a neural development disorder that is characterized by impaired communication, social interaction and by repetitive and restricted behavior. These characteristics usually present before a child is 3 years old.

The affects of autism will impact the way nerve cells and their synapses organize, communicate and connect their information in the brain. It is not completely known why and how this happens. There are 3 recognized disorders within the autism spectrum: Pervasive Developmental Disorder-Not Otherwise Specified, that is commonly abbreviated as PDD-NOS, and Asperger Syndrome. Asperger Syndrome lacks delays within cognitive and language development. PDD-NOS are diagnosed when the full set of criteria for autism or Asperger Syndrome are not met.

Genetics seem to be strongly associated with autism. The genetics of autism have proven to be rather complex and it is not clear whether certain conditions of autism are explained by rare combinations of common genetic variants or by rare mutations in the genes. In several conditions, autism is strongly linked with agents which lead to birth defects. There have been disagreements surrounding proposed environmental causes including heavy metals and pesticides. At one point there was concern concerning childhood vaccines however this hypothesis is biologically implausible and lacks convincing scientific proof.

Statistics place the prevalence of autism at roughly 1 to 2 people for every 1000 people all over the world. Within the USA, the Centers for Disease Control and Prevention reports that approximately 9 out of one thousand kids are diagnosed with a type of autism. Since the 1980s the number of individuals diagnosed has dramatically increased. This could be partly due to the changes in diagnostic procedures. It is hard to determine if the actual prevalence has increased.

Typically, parents start to notice indications of autism within the initial 2 years of their kid's life. Normally the indications gradually develop, but several kids initially develop more normally and afterward they regress. Early cognitive intervention or behavioural therapy could help autistic kids gain social skills, communication skills and self-care.

There have been a few cases where children have recovered, although there is no known treatment. Various people believe that changes to the food intake and the prevention of particular environmental chemicals and additives would help to cure this particular condition. Nearly all kids with autism do not live independently when they become adults, but some have become successful.

### Characteristics

Autism has various characteristics which are extremely variable. This neuro-developmental disorder initially appears all through childhood or infancy and typically follows a steady course without remission. Several indications appear about 6 months of age and after that become more established by age 2 or 3, and could continue into adulthood. Autism is characterized by a triad of signs including: restricted interests, communication impairments, repetitive behavior and impairment in social interaction.