

Introduction To Autism SPECTRUM DISORDER

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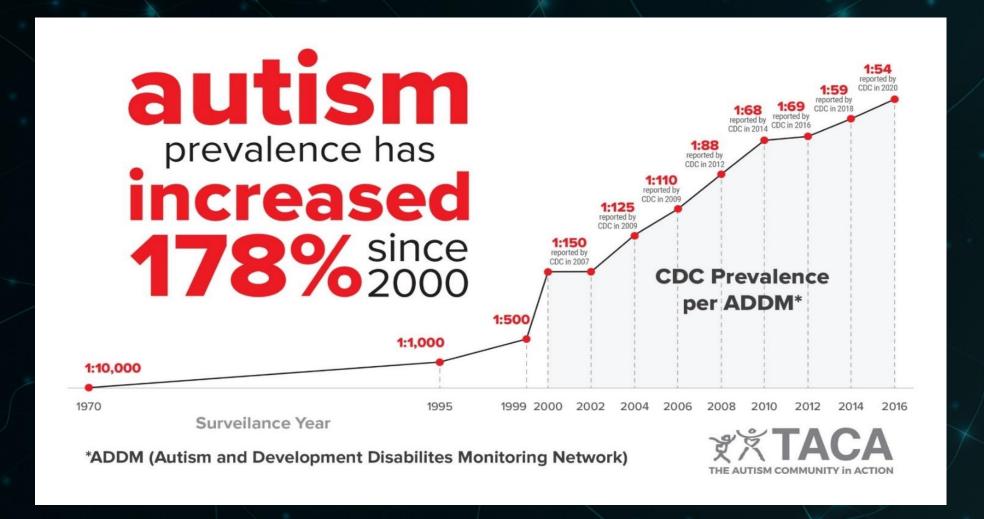
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Autism is not a disability it is a different ability

-Stuart Duncan-

AUTISM PREVALENCE IN THE U.S.



AUTISM RATES BY COUNTRY 2021 THE GLOBAL HEALTH DATA EXCHANGE

Countries with **highest** autism rates

Hong Kong

1 in 27

Canada 1 in 66 South Korea

1 in 38

Argentina
1 in 68

United States

1 in 54

Switzerland

1 in 69

Japan

1 in 55

Australia

1 in 70

Ireland

1 in 65

Israel

1 in 78

Qatar

1 in 66

United Arab Emirates

1 in 89

Oman 1 in 93 Bahrain 1 in 97 Saudi Arabia 1 in 99

UK 1 in 100 India 1 in 100

AUTISM RATES BY COUNTRY 2021 THE GLOBAL HEALTH DATA EXCHANGE

Countries with the lowest autism rates

Poland 1 in 3,333

Belgium
1 in 167

Estonia
1 in 167

Singapore: 1 in 149 Denmark 1 in 145

France: in 144

Portugal: 1 in 142

1 in 139

Norway 1 in 139

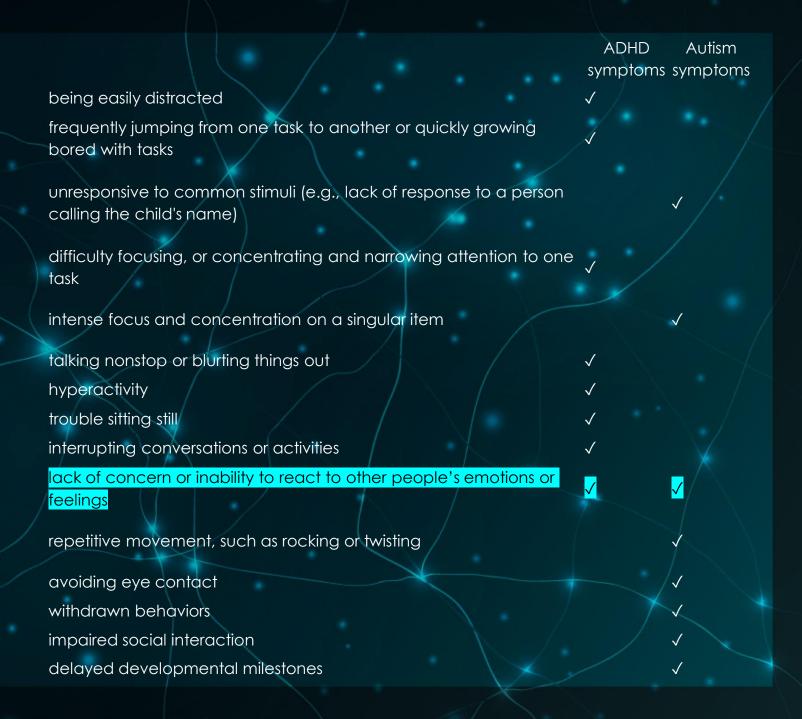
Italy: 1 in 139

Germany 1 in 139 Greece 1 in 138 Austria
1 in 138

Spain
1 in 137

DIFFERENCE BETWEEN ADHD AND AUTISM

COMPARISON OF THE TWO CONDITIONS AND THEIR SYMPTOMS



I chew on everything

I overreact to minor scrapes and cuts

I have Sensory

Processing Disorder

Some smells really bother me

I can be clumsy and fall over things sometimes

Sometimes I don't like to be touched

I lose my balance

Poor body awareness

SENSORY PROCESSING DISORDER (SPD)

Thate having my hair washed, brushed or cut

I can be sensitive to loud sounds

I like to smell people and objects sometimes

I don't like tags on my clothes

I don't like to wear clothes

l enjoy being squeezed, I like pressure

I don't want my hands dirty

I have poor fine motor skills

I get overstimulated and meltdown

I get fearful and anxious sometimes



SPDPS



TYPES OF SENSORY NEEDS IN CHILDREN WITH AUTISM

1. Movement

Children who are hypersensitive to movement may dislike swinging, spinning, rocking, riding in the car, while children with diminished <u>vestibular sensation</u> actively seek out these sensations but may have trouble with balance and coordination.

2. Sight

Children with sight hypersensitivity are often triggered by fluorescent lighting, bright colors, and visually busy environments. Children with sight hyposensitivity, on the other hand, enjoy observing moving objects, television, video games, and other exciting visual experiences.

3. Sound

Increased auditory sensitivity causes children to struggle in noisy environments. Children may become overwhelmed by loud noises or large amounts of background noise. Children with diminished auditory sensitivity frequently enjoy toys that make music or noise and turn television and music volume above safe levels.

TYPES OF SENSORY NEEDS IN CHILDREN WITH AUTISM

4. Touch

Heightened sense of touch is associated with an aversion to coarse fabrics, food textures, and being touched, held, or groomed. Children with a dulled sense of touch frequently enjoy tight clothing, weighted blankets, and other types of deep touch pressure.

5. Taste and Smell

Children with increased sensitivity to taste and smell tend to dislike strong odors and tastes, and they often prefer bland and familiar foods over strongly flavored or new foods. Children with under-performing olfactory system may seek out strong odors and flavors for sensory stimulation.

6. Body Awareness

Body awareness is a child's sense of where his body is positioned in relation to itself and the surrounding world. Poor body awareness manifests in weak posture, coordination, motor control, and spatial awareness.

BENEFITS OF CHESS FOR CHILDREN WITH ASD

- ability to provide structured, predictable, and safe environment.
- ability to meet individual and unique sensory needs of a child.
- allows individuals with autism to participate in activities without social interactions that might cause stress.
- improves physical and mental health.
- o provides opportunities for enjoyment, as well as increased self-confidence and motivation individuals on the spectrum.
- promotes inclusion and quality of life.
- Increases self-esteem and confidence.
- o gives children the opportunity to make their own choices.
- o provides satisfaction, enjoyment and pleasure.
- enables individuals with autism to become involved and feel like a part of their community.
- provides the opportunity to gain and develop new contacts and friends.
- o reduces reliance on parents and other adults.
- increases independence which leads to increased opportunities.

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