



## Orofacial function of persons having Angelman syndrome Report from questionnaires

The survey comprises 71 Questionnaires.

**Estimated occurrence:** 80: 1 000 000 inhabitants.

**Etiology:** Genetic origin, often spontaneous mutation. Most of these children have some deletion of chromosomal material in the chromosome 15 inherited from the mother.

**General symptoms:** Delayed psychomotor development. Muscle laxity and balance problems. Severe mental retardation. Epilepsy. Abnormal language development, where understanding is often superior to the ability to express things in speech or using alternative means of communication.

**Orofacial/odontological symptoms:** A particular appearance, with a wide mouth and jaws, and a flat back of the head. Widely-spaced teeth are common, as are malocclusions in the form of a postnormal or prenatal bite and an open, frontal bite. Oral motor skills poorly developed, and there is muscular laxity (hypotonia). The tip of the tongue is often inserted between the front teeth. Sucking, eating and drinking difficulties and drooling are all frequent problems. Most individuals with Angelman syndrome never acquire speech. Many like to suck and bite their hands and objects. Daytime tooth grinding is common.

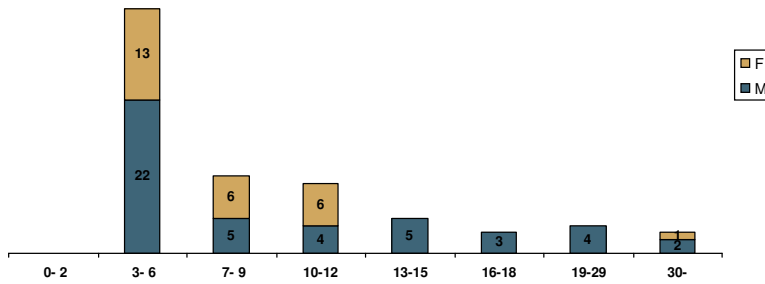
- Orofacial/odontological treatment:
- Problems in managing oral hygiene and tooth brushing justify extra preventive dental care.
- Oral motor skill training and extra stimulation are justified.
- Communication skills training is frequently essential.
- Tooth grinding should be followed up, and be managed with a splint when necessary.
- An orthodontist should be consulted between the ages of 7 and 9 in order to identify dental aberrations or malocclusions and to plan any necessary orthodontic treatment to correct bite problems.

**Source:**

The rare disease database of the Swedish National Board of Health and Welfare.  
The MHC database - The Mun-H-Center database of orofacial manifestations in rare diseases.

The Newsletter of the Ågrenska Center.

### Age distribution

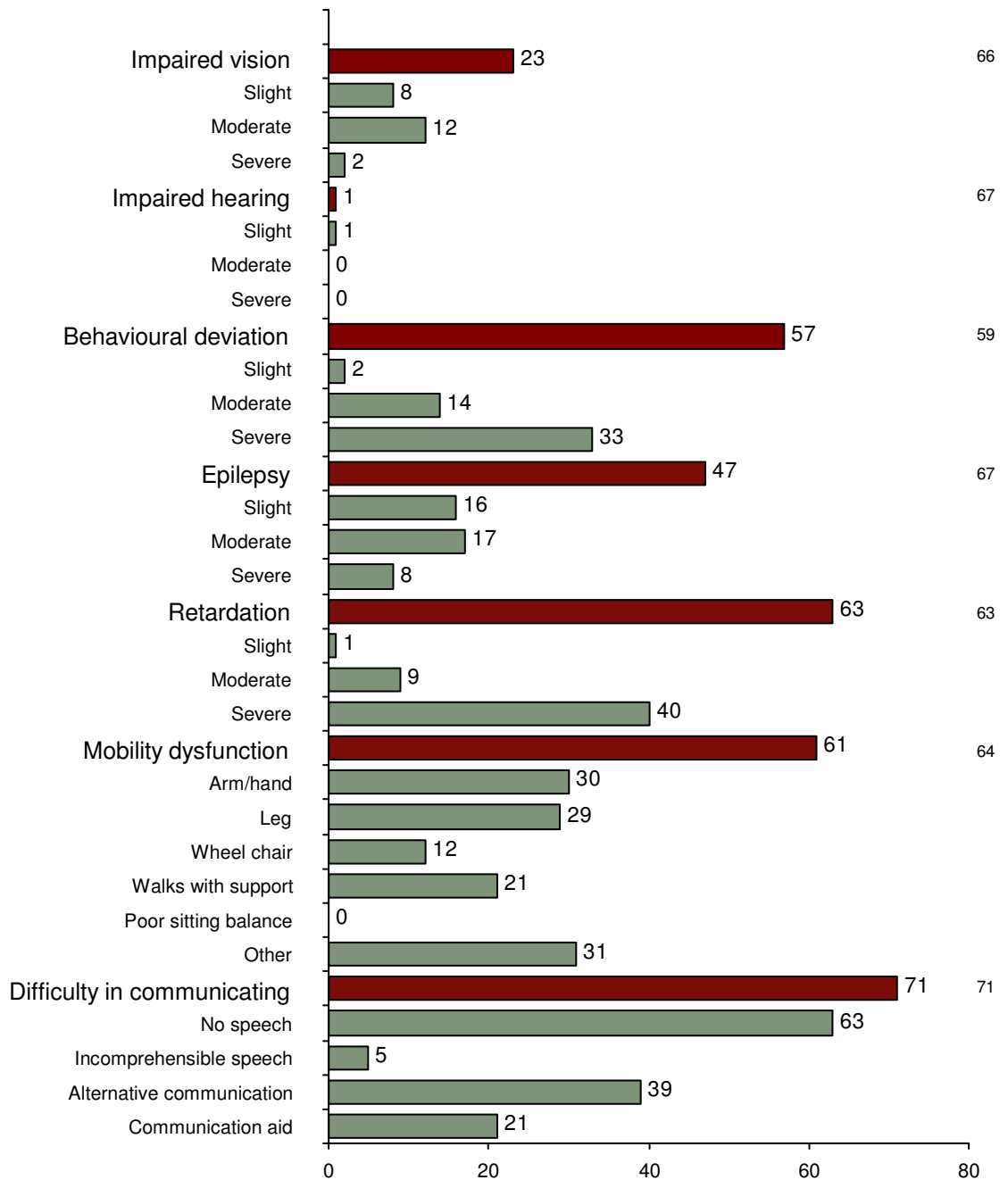


Number: 71

Ages: 3 -- 32 years

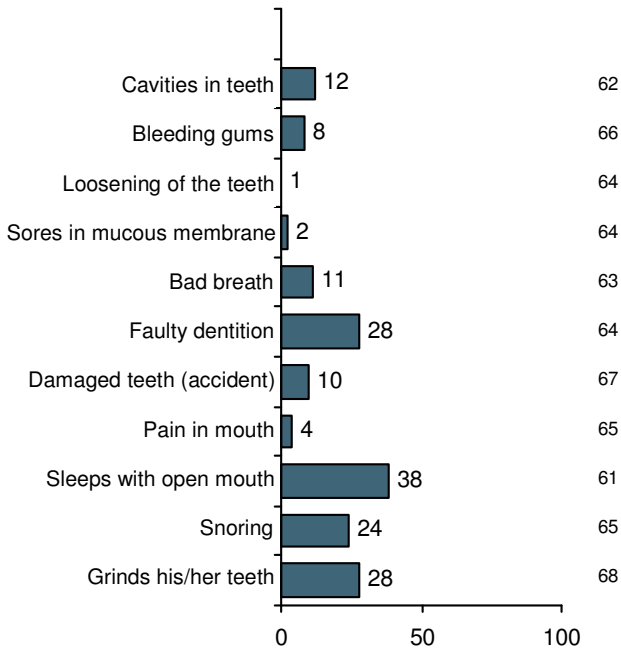
Sex: M (45) + F (26)

### General disabilities

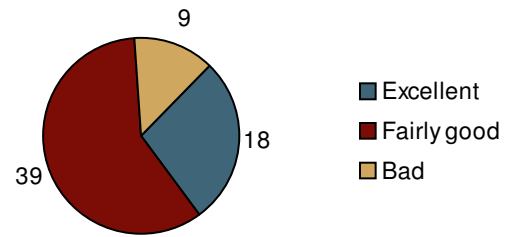


## About dental health

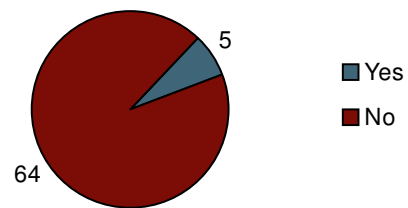
About dental health - problems



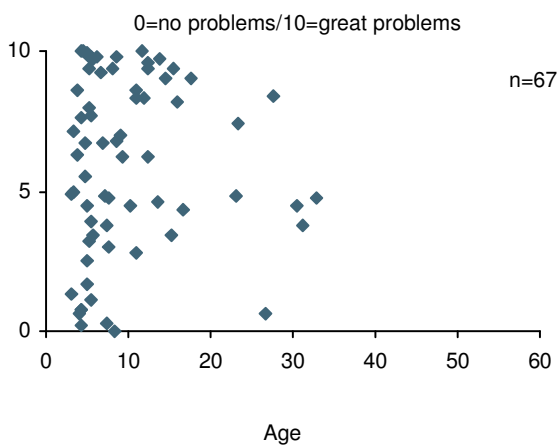
Oral health



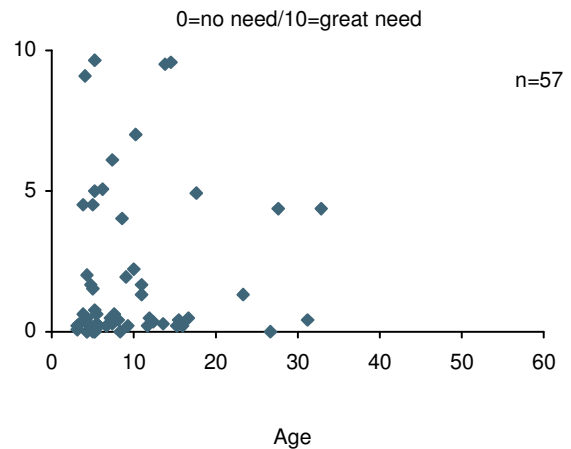
Has NN received orthodontic treatment?



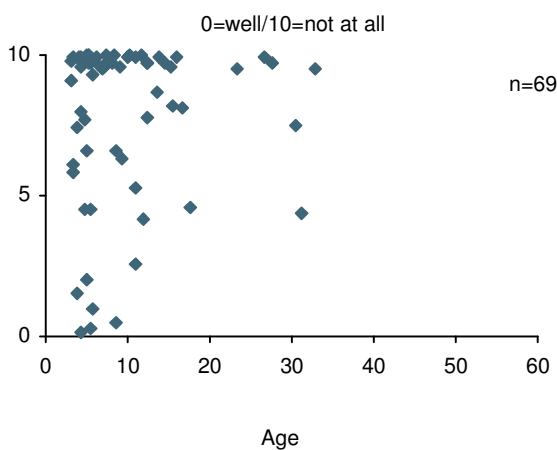
How does NN experience the dental care received?



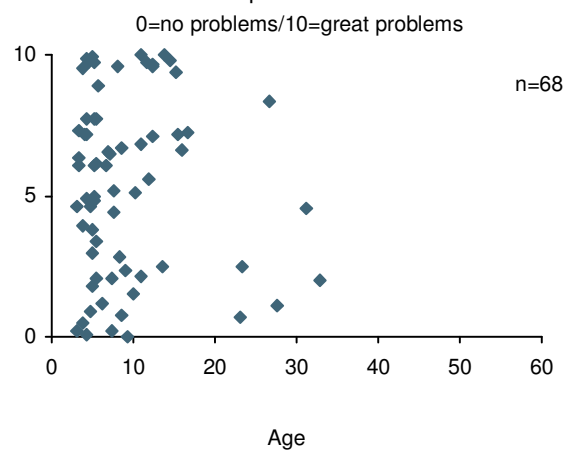
NN is considered to be in need of orthodontic treatment



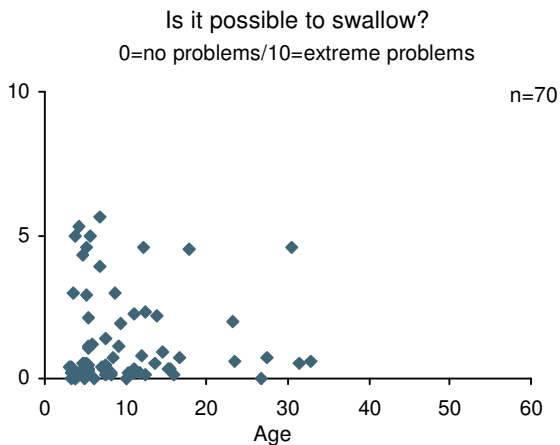
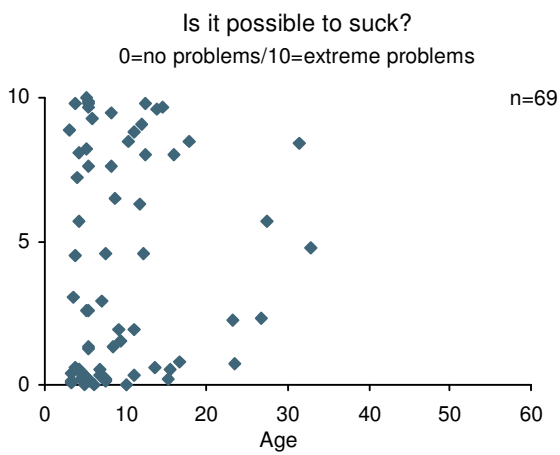
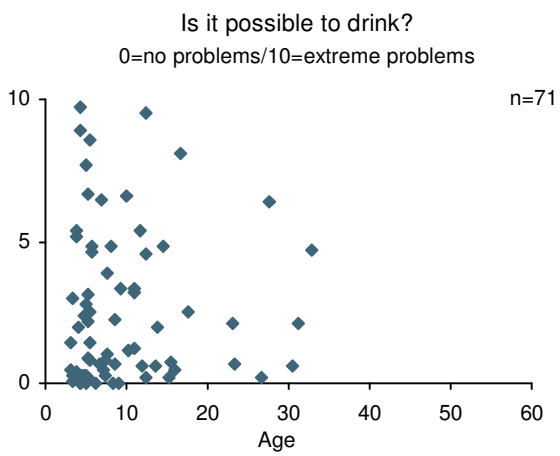
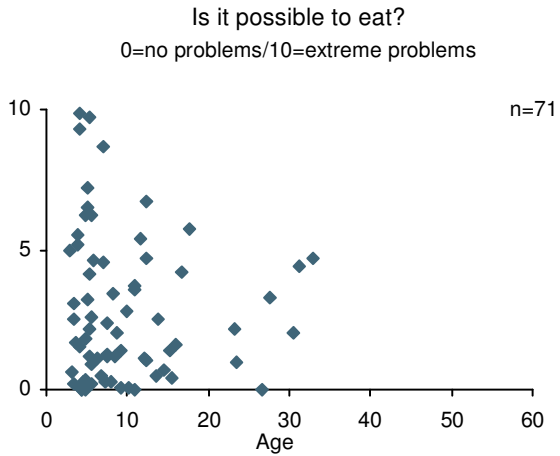
How does NN manage to brush his/her teeth?



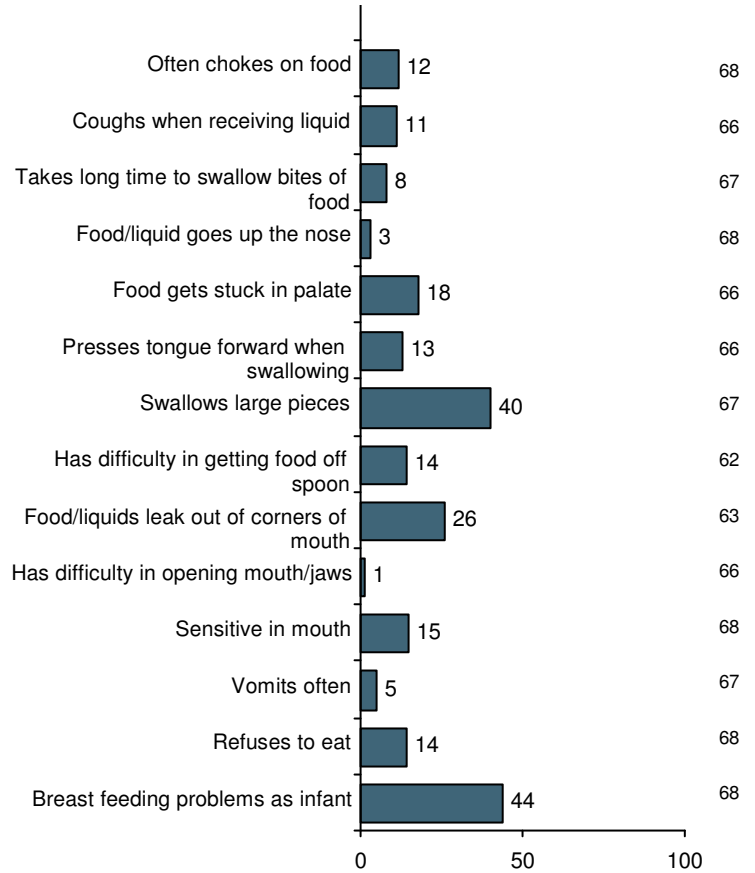
If help is needed with brushing teeth, how does it proceed?



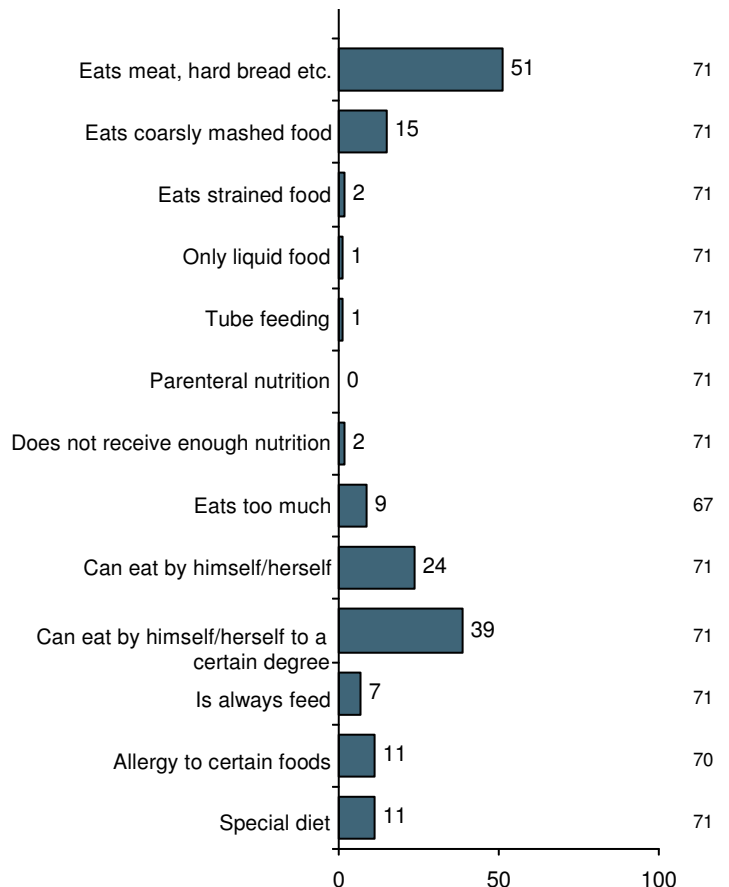
## About eating habits



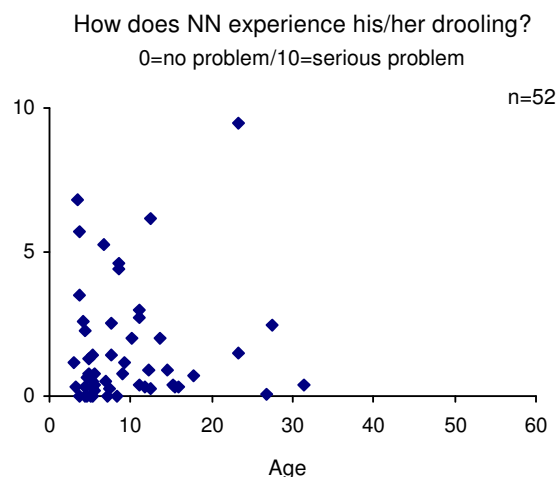
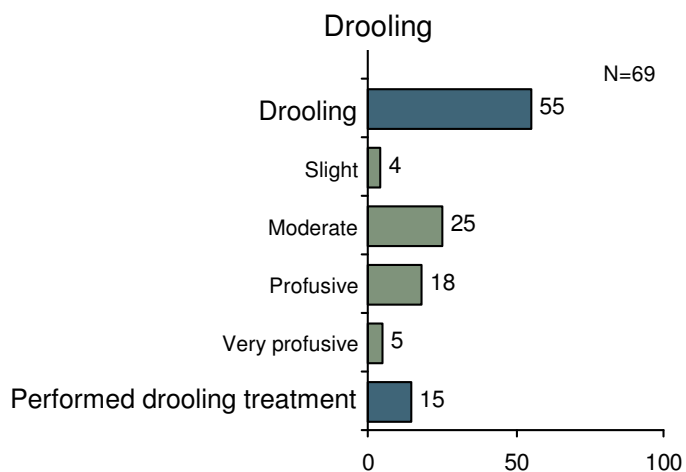
### About eating habits - problems



### Food habits

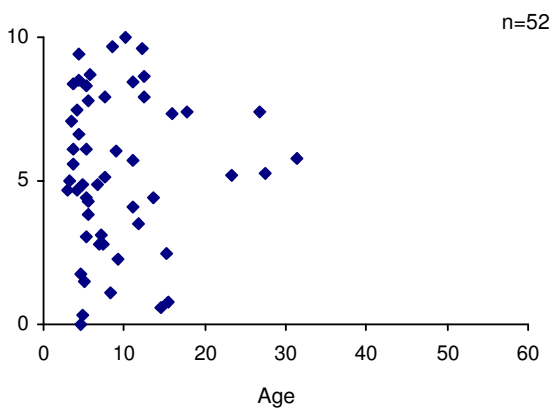


# About drooling



**How does parent/attendant experience the drooling?**

0=no problem/10=serious problem



**How do people around NN experience the drooling?**

0=no problem/10=serious problem

