

Challenges to Healthy Eating and Physical Activity in Youth with Intellectual/Developmental Disabilities (I/DD)

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Individuals with I/DD experience:

- complex health conditions
- limited access to quality health care
- undetected poor vision, poor oral health
- poorly managed chronic conditions
- mental health disorders/use psychotropic medications

What do we know about dietary patterns and physical activity in youth with I/DD?

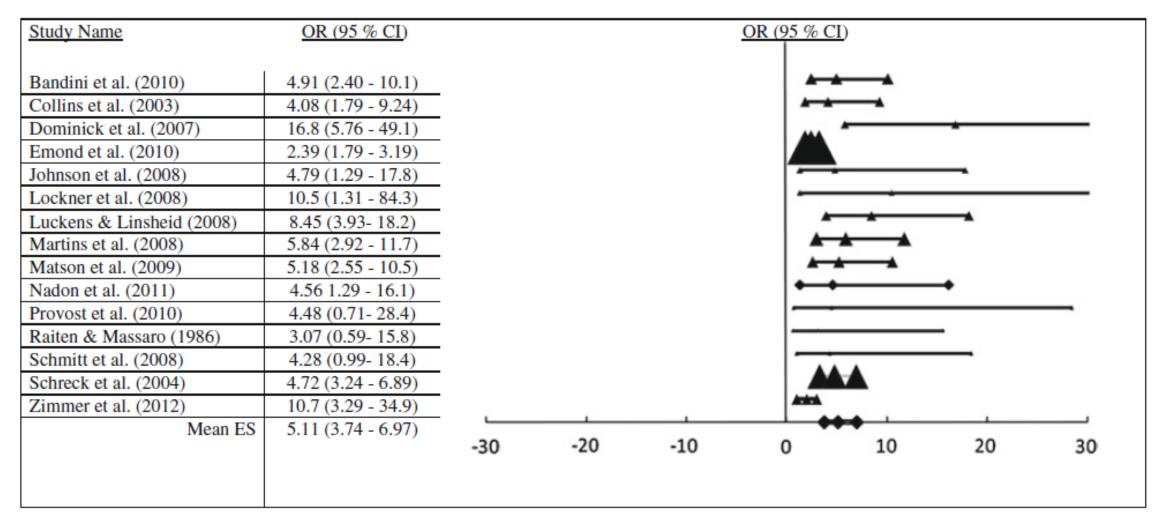


Potential factors associated with dietary intake in youth with I/DD

- Food selectivity/sensory sensitivity
- Oral motor problems
- Medication
- Challenging behaviors
- Limited food and nutrition literacy
- Parental stress at mealtimes
- Food as a reward

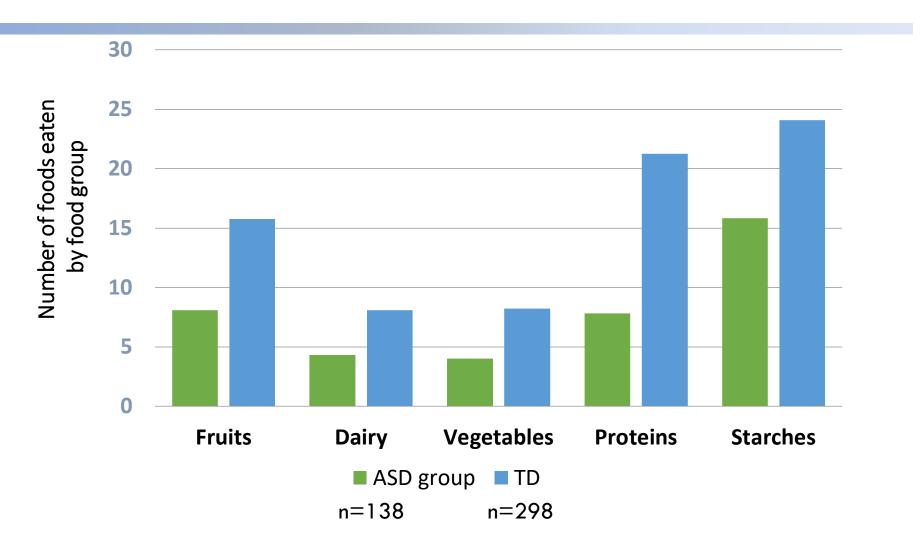


Feeding problems in children with ASD



There is a greater level of feeding concern in children with ASD

Food selectivity

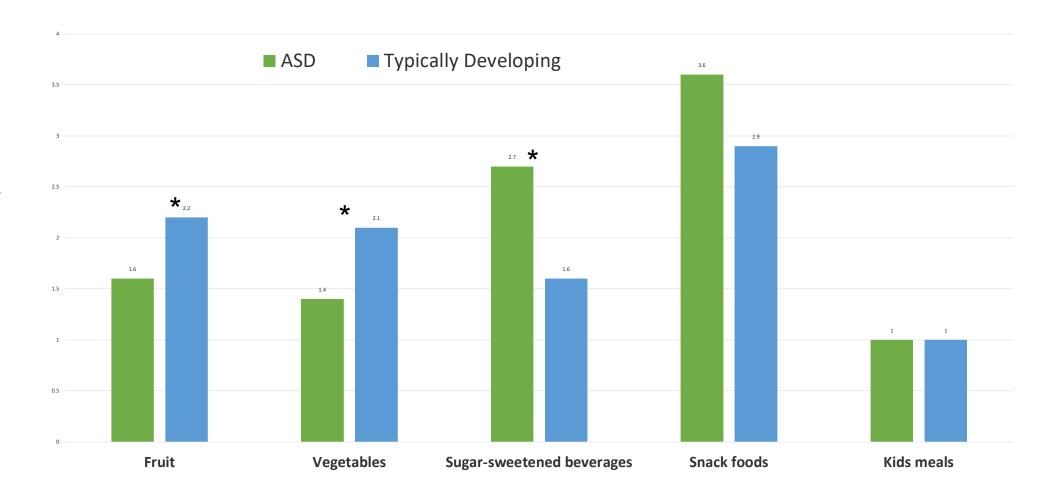


Children with ASD eat significantly fewer foods than typically developing (TD) children



Comparison of daily servings of food between children with ASD and typically developing children





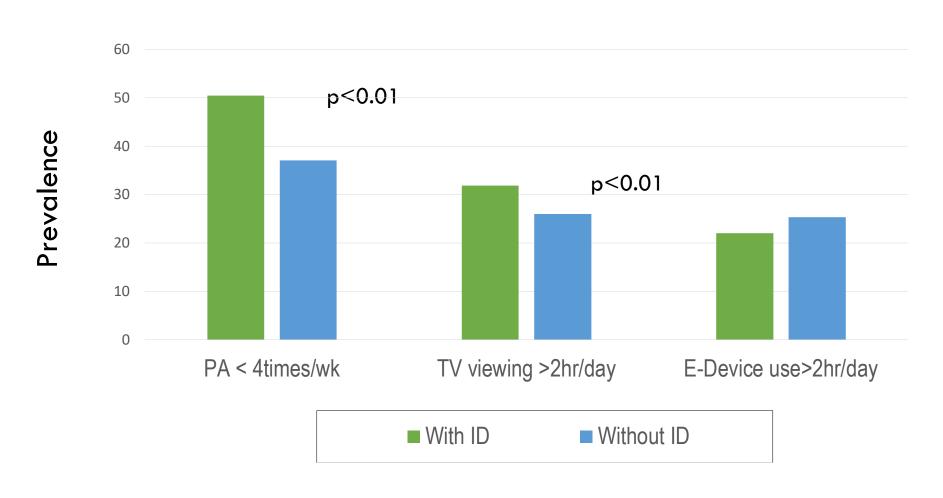
Factors associated with physical activity in youth with I/DD

Altered body composition

Delayed/ impaired motor skills

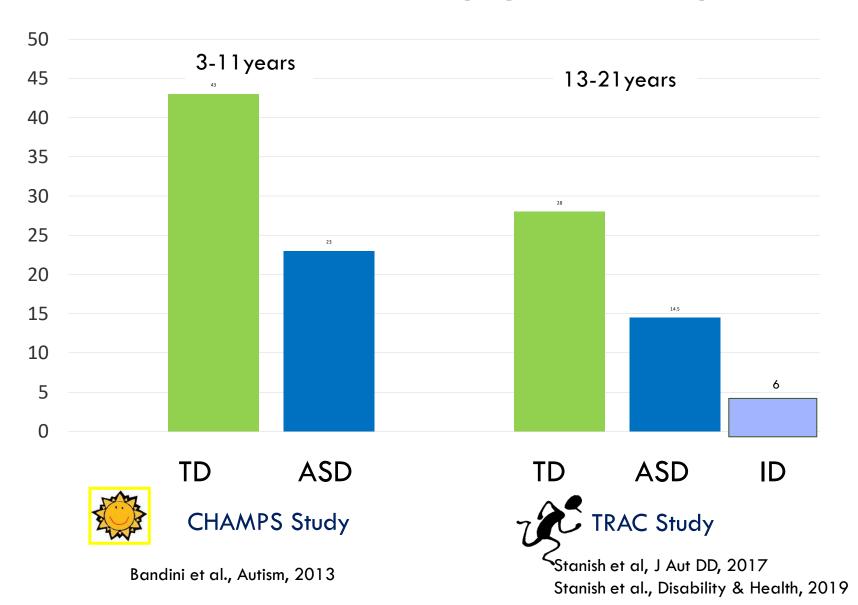
Barriers to participation in physical activity

Physical activity & sedentary time in youth ages 10-17 yrs with & without ID*



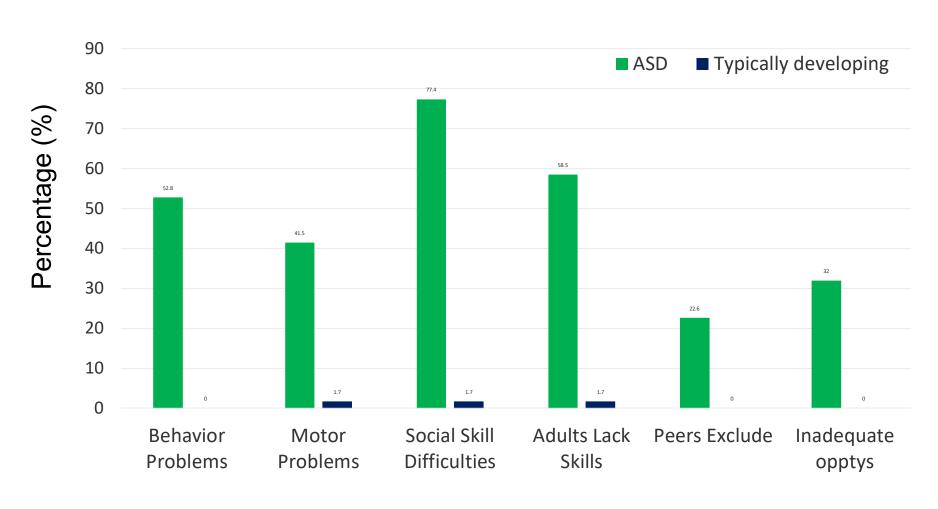


Percent (%) of children with ASD and ID meeting recommendations for physical activity





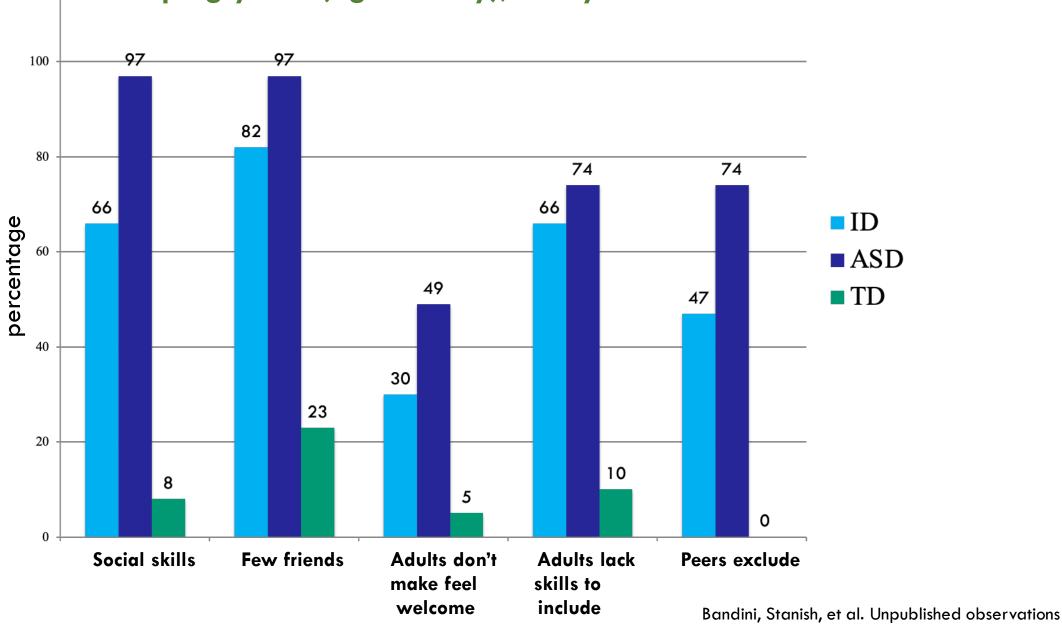
Parent-reported barriers to physical activity in children with ASD and typically developing children ages 3-11y







Parent-reported barriers to physical activity in typically developing youth (age 13-18y), and youth with ID or ASD



Potential impact of an unhealthful diet and low physical activity on overall health

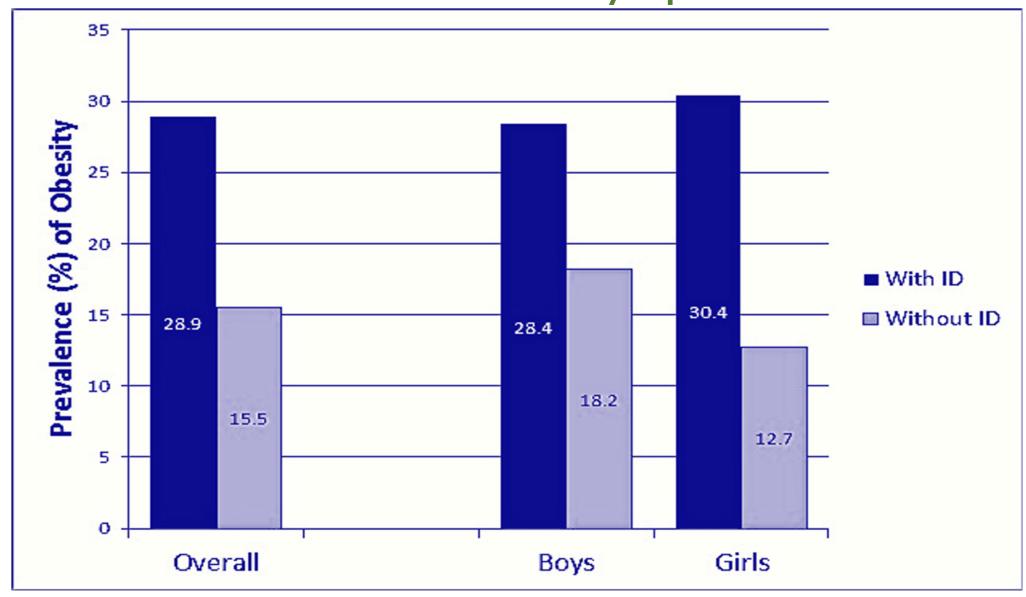
Underweight/Inadequate nutrient intake

• Dietary patterns may impact risk for chronic diseases

• Dietary patterns and physical activity may increase risk for obesity

 Co-occurring conditions associated with obesity may limit ability to live in least restrictive environment

Prevalence of obesity among 10-17 year olds with and without ID from nationally representative data*





Need for more health promotion interventions for youth with IDD

- Multicomponent health promotion interventions that include nutrition, physical activity, and behavioral strategies
- Adaptations specific to needs of youth with IDD to:
 - address challenges to healthy eating such as food selectivity
 - address barriers to physical activity including motor skills and community opportunities
 - provide tailored messaging (nutrition education) in a simple and clear manner

SUMMARY

Youth with I/DD are at increased risk for low physical activity, inadequate nutrient intake, and obesity.

 Social and community barriers must be removed to promote good health and inclusion for youth with I/DD.

• Everyone has a role to play in promoting healthy lifestyles for youth with I/DD.



Thank you!

Healthy Weight Research Network

An interdisciplinary research network funded by MCHB to promote coordinated research activities related to promoting healthy weight among children and youth with ASD and other developmental disabilities.

http://HWRN.org

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