

Table 1. Age and Anthropometric characteristics of ASD children (cases) and those with typical development (controls).

Characteristics	ASD Children			TD Children			p-value		
	Cases (n=40)			Controls (n=113)			Total	Female	Male
	Total	Female (n=5)	Male (n=35)	Total	Female (n=50)	Male (n=63)			
Age (years)	7.01±1.28	7.80±1.05	6.90±1.28	8.34±1.19	8.40±1.29	8.29±1.12	0.001	0.318	0.001
Height (cm)	118.10±11.00	118.40±10.14	118.06± 11.25	131.26± 8.97	131.46± 9.51	131.09± 8.60	0.001	0.005	0.001
Weight (kg)	22.40± 5.09	20.00 ±4.52	22.31 ±5.21	32.76± 8.92	33.50± 8.96	32.19± 8.92	0.001	0.012	0.001
Body mass index (BMI) (kg/m²)	15.85 ±2.07	16.20± 1.92	15.80 ±2.11	18.46±3.41	18.82±3.46	18.17±3.36	0.001	0.102	0.002

Values are mean ± SD

Abbreviations: ASD, Autism spectrum disorder; TD, Typically developing

* Average z-score significantly different from zero at $p < .001$

Abbreviations: ASD, Autism spectrum disorder; and TD Typical developing

Table 2. Distribution BMI percentile in children with autism or another ASD ($n = 40$) and those with typical development (controls, $n=113$).

Diagnosis	BMI Percentile [‡]			
	Underweight	Healthy weight	Overweight	Obese
	$\leq 5^{\text{th}}$	(>5 th to <85 th)	$\geq 85^{\text{th}}$ to <95 th	≥ 95
Total [‡] , $n(\text{BMI}, \text{kg}/\text{m}^2)$				
ASDs Children (cases)	8 (20)	28 (70)	4 (10)	0 (0)
TD children (controls)	10 (8.85)	55 (48.67)	31 (27.43)	17 (15.05)

[‡]overall χ^2 , $P = 0.024$, d.f. = 3; BMI, body mass index.

Abbreviations: ASD, Autism spectrum disorder; and BMI, body mass index.; TD Typically developing

Table 3. Comparison of BMI status between children with autism or another ASD and those with typical development (controls).

	ASDs Children (n=40)			TD Children (n=113)			cOR (95%CI)	aOR* (95%CI)	cOR (95%CI)	aOR (95%CI)	cOR (95%CI)	aOR (95%CI)
	Total	Female	Male	Total	Female	Male	Total		Female		Male	
Underweight (BMI ≤5 th percentile)	5 (12.50%)	0	5 (12.50%)	10 (8.85%)	6 (5.31%)	4 (3.54%)	0.84 (0.22-3.20)	2.41 (0.35-4.47)	-	-	1.38 (0.29-6.56)	2.45 (0.63-4.27)
Healthy weight (BMI >5 th percentile and < 85 th percentile)	31 (77.50%)	4 (10.00%)	27 (67.50%)	86 (76.10%)	36 (31.86%)	50 (44.25%)	1 (Reference)	1 (Reference)	1 (Reference)	1 (Reference)	1 (Reference)	1 (Reference)
Overweight (BMI ≥85 th percentile and <95 th percentile)	4 (10.00%)	1 (2.5%)	3 (7.5%)	11 (9.73%)	6 (5.31%)	5 (4.42%)	1.01 (0.36-3.40)	0.24 (0.10-0.38)	1,17 (0.11-2.23)	1,08 (0.50-2.70)	1.00 (0.31 -3.26)	0.34 (0.10-0.58)
Obese (BMI ≥95 th percentile)	0	0	0	6 (5.31%)	2 (1.77%)	4 (3.54%)	-	-	-	-	-	-

Values are number of children (%)

Abbreviations: ASD, Autism spectrum disorder; and BMI, body mass index.; TD, Typically developing

* Adjusted for age and sex