

Table 11: Comparison between the subtests of the Bruininks motor proficiency test of obese and non-obese 8-11 year old children (P < 0.05\*, P< 0.01\*\*)

Abbreviations: yrs = years; SD = Standard Deviation; Var = Variance

SUBTEST	AGE GROUP (yrs)	NORM	OBESE					NON-OBESE				
			Mean	SD	Var	t-Stat	p-Value	Mean	SD	Var	t-Stat	p-Value
Running Speed and Agility	8	8.3	6.8	1.7	3.0	df=13 -0.32	0.75	7.0	0.7	0.5	df=13 -0.32	0.75
	9	9.0	5.7	0.5	3.5	df=16 -2.7	0.014*	7.7	1.2	1.6	df=16 -2.7	0.014*
	10	9.6	7.6	1.0	1.0	df=9 0	1	7.6	1.5	2.2	Df=9 0	1
	11	10.4	8.0	2.3	5.3	df=4 -0.79	0.47	9.0	1.4	2.0	Df=4 -0.79	0.47
Balance	8	23.5	23.7	4.2	17.7	df=16 -1.34	0.19	26.1	3.4	11.8	df=16 -1.34	0.19
	9	24.5	25.8	3.1	9.7	df=14 0.26	0.79	25.3	3.6	13.4	df=14 0.26	0.79
	10	25.7	25.5	3.8	14.7	df=10 0.46	0.65	24.5	3.6	13.5	df=10 0.46	0.65
	11	26.1	29.2	2.6	6.9	df=10 -0.79	0.47	27.0	4.59	21.1	df=10 -0.79	0.47

SUBTEST	AGE GROUP (yrs)	NORM	OBESE					NON-OBESE				
			Mean	SD	Var	t-Stat	p-Value	Mean	SD	Var	t-Stat	p-Value
Bilateral Coordination	8	8.8	9.5	3.2	10.7	df=12 1.0	0.33	8.3	1.1	1.4	df=12 1.0	0.33
	9	10.7	7.8	1.9	3.7	df=16 -0.94	0.35	8.6	1.7	3.1	df=16 -0.94	0.35
	10	11.4	7.6	1.0	1.0	df=8 -2.20	0.05	9.6	1.9	3.8	Df=8 -2.20	0.05
	11	12.4	10.0	1.8	3.3	df=5 0.36	0.72	9.6	1.3	1.6	Df=5 0.36	0.72
Strength	8	15.0	20.4	4.6	21.8	df=15 -1.00	0.32	22.6	4.6	21.4	df=15 -1.00	0.32
	9	17.5	20.4	4.6	21.3	df=15 -1.78	0.09	24.3	4.7	22.5	df=15 -1.78	0.09
	10	21.0	19.8	2.2	4.9	df=8 -1.53	0.16	22.6	3.9	15.4	Df=8 -1.53	0.16
	11	22.2	19.5	6.3	40.3	df=4 -2.06	0.10	26.6	3.8	14.8	Df=4 -2.06	0.10
Upper-Limb Coordination	8	15.3	17.4	2.4	5.8	df=13 1.77	0.09	15.8	1.1	1.2	df=13 1.77	0.09
	9	16.9	17.4	2.1	4.7	df=12 0.36	0.71	17.1	0.8	0.6	df=12 0.36	0.71
	10	17.5	18.5	1.2	1.5	df=8 -0.16	0.87	18.6	2.1	4.6	Df=8 -0.16	0.87
	11	18.2	19.2	0.9	0.9	df=8 0.94	0.37	18.6	1.3	1.6	Df=8 0.94	0.37

SUBTEST	AGE GROUP (yrs)	NORM	OBESE					NON-OBESE				
			Mean	SD	Var	t-Stat	p-Value	Mean	SD	Var	t-Stat	p-Value
Response Speed	8	7.0	7.0	2.4	5.7	df=15 0.42	0.67	6.5	2.5	6.2	df=15 0.42	0.67
	9	7.8	5.7	1.3	1.7	df=11 -0.76	0.46	6.3	2.1	4.8	df=11 -0.76	0.46
	10	9.4	7.0	2.6	6.8	df=10 0	1.0	7.0	2.8	8.4	df=10 0	1.0
	11	9.6	9.2	4.5	20.2	df=4 1.04	0.35	6.7	2.2	5.0	Df=4 1.04	0.35
Visual Motor Control	8	17.6	20.5	1.2	1.6	df=14 1.97	0.06	19.2	1.3	1.9	df=14 1.97	0.06
	9	19.4	19.8	2.6	7.0	df=15 -0.25	0.79	20.1	2.6	6.9	df=15 -0.25	0.79
	10	20.1	22.6	1.5	2.2	df=8 1.57	0.15	20.6	2.7	7.4	Df=8 1.57	0.15
	11	20.4	21.7	0.5	0.2	df=10 -1.03	0.32	22.2	1.1	1.3	df=10 -1.03	0.32
Upper-Limb Speed and Dexterity	8	34.6	34.1	4.3	18.9	df=15 -1.9	0.06	37.3	2.5	6.2	df=15 -1.9	0.06
	9	38.3	34.6	7.7	59.6	df=15 -1.68	0.11	39.5	4.4	19.7	df=15 -1.68	0.11
	10	43.2	37.3	7.8	61.4	df=7 -1.59	0.15	42.8	3.1	9.7	Df=7 -1.59	0.15
	11	45.8	39.7	5.1	26.2	df=4 -1.0	0.36	42.6	3.3	11.1	Df=4 -1.0	0.36

