

Supplementary Table S1. Physiological Profile Assessment percentiles in typically developing children and adolescents. The five physiological subsets are presented. For all items scoring over the 90<sup>th</sup> percentile indicates poorer performance, Items scoring under the 10<sup>th</sup> percentile indicates better performance.

<i>Vision</i>	Percentile	Age (years)							
		6	8	11	12	13	14	16	18
<b>Visual acuity-high contrast</b>	10	0.93	0.92	0.70	0.87	0.80	0.83	0.68	0.81
	50	1.05	1.06	0.99	0.95	1.00	0.93	0.93	0.93
	90	1.17	1.17	1.09	1.16	1.30	1.11	1.04	1.05
<b>Visual acuity-low contrast</b>	10	1.22	1.12	1.18	1.14	1.08	1.08	1.03	1.07
	50	1.32	1.28	1.30	1.34	1.35	1.17	1.21	1.15
	90	1.46	1.38	1.39	1.71	3.67	1.41	1.32	1.34
<b>Edge contrast sensitivity*</b>	10	23.80	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	50	22.00	22.50	22.00	22.00	21.50	23.00	21.00	23.00
	90	19.40	19.00	19.20	19.60	20.00	21.00	18.70	21.00
<b>Depth perception</b>	10	0.76	0.26	0.49	0.55	0.53	0.25	0.38	0.33
	50	1.20	1.08	0.80	0.83	0.85	0.60	0.69	0.83
	90	5.00	2.70	1.79	1.34	3.85	1.63	1.87	1.38

Note: \* indicates percentile scale was inverted, i.e., for all items a score over 90th percentile is an indicator of a worse performance.

<i>Peripheral sensation</i>	Percentile	Age (years)							
		6	8	11	12	13	14	16	18
<b>Proprioception</b>	10	0.84	1.14	0.64	0.00	0.60	0.30	0.76	1.00
	50	1.80	2.00	1.60	1.20	1.60	1.70	1.60	2.00
	90	4.16	3.90	3.16	3.18	8.10	3.40	3.68	3.20
<b>Tactile sensitivity</b>	10	3.22	3.22	3.22	3.07	3.22	3.22	3.22	3.22
	50	3.22	3.22	3.84	3.84	3.96	3.53	3.84	3.84
	90	3.84	3.84	4.08	4.08	4.43	4.08	4.56	4.08

<i>Lower limb muscle strength</i>	Percentile	Age (years)							
		6	8	11	12	13	14	16	18
<b>Ankle dorsiflexion force*</b>	10	8.00	9.90	11.80	14.80	22.50	18.00	18.20	22.00
	50	6.00	7.00	8.00	6.50	12.00	12.00	14.00	15.00
	90	3.00	3.70	4.00	4.00	7.00	7.50	7.80	11.00
<b>Knee extension force*</b>	10	22.00	25.20	35.20	43.00	56.50	47.00	87.40	78.00
	50	12.00	16.00	26.00	27.00	41.00	34.00	41.00	54.00
	90	5.20	8.10	17.60	17.20	20.50	23.00	20.00	42.00
<b>Knee flexion force*</b>	10	10.00	15.80	20.20	21.40	29.00	33.00	43.00	52.00
	50	7.00	10.00	15.00	16.50	24.00	27.00	28.00	36.00
	90	5.20	7.40	12.20	10.30	16.50	20.00	23.60	22.00

Note: \* indicates percentile scale was inverted, i.e., for all items a score over 90th percentile is an indicator of a worse performance.

<i>Reaction time</i>	Percentile	Age (years)							
		6	8	11	12	13	14	16	18
<b>Reaction time-hand</b>	10	299.00	231.00	205.60	196.10	195.50	199.50	189.90	183.00
	50	377.00	312.50	279.00	233.00	225.50	232.50	214.00	204.00
	90	472.40	348.60	328.00	328.20	282.50	265.50	236.90	236.00
<b>Reaction time-foot</b>	10	448.20	371.20	289.60	271.30	242.50	263.50	243.30	218.00
	50	527.00	450.00	336.00	314.00	288.00	307.50	279.00	270.00
	90	582.80	560.30	471.80	377.10	342.50	346.00	318.00	301.00

<i>Balance</i>	Percentile	Age (years)							
		6	8	11	12	13	14	16	18
<b>Sway on floor-eyes open</b>	10	205.20	43.50	80.00	52.20	48.50	188.00	58.50	126.00
	50	841.00	354.00	336.00	315.00	320.50	607.00	310.00	342.00
	90	3002.20	2926.30	1190.40	2285.40	532.00	1695.00	1419.20	816.00
<b>Sway on floor-eyes closed</b>	10	511.60	165.20	75.00	75.40	78.00	97.50	52.20	144.00
	50	1360.00	559.00	480.00	253.00	171.50	666.00	322.00	544.00
	90	4398.00	5613.60	1564.00	2732.10	1085.00	2329.00	2073.40	1755.00
<b>Sway on foam-eyes open</b>	10	480.60	540.80	175.40	151.20	69.50	484.00	127.10	252.00
	50	2250.00	1822.00	1155.00	757.00	1075.50	1200.00	738.50	812.00
	90	8857.40	11657.30	3101.20	4116.40	2717.00	3170.00	2644.20	1505.00
<b>Sway on foam-eyes closed</b>	10	888.00	1232.90	269.80	207.80	173.00	1189.50	315.70	580.00
	50	4620.00	2940.00	2394.00	2649.00	1419.00	3181.50	1816.50	1739.00
	90	19444.40	7469.00	8032.40	11718.80	4370.00	7524.00	3808.80	5589.00
<b>Coordinated stability test</b>	10	9.00	1.70	1.00	0.00	0.50	0.50	0.00	0.00
	50	22.00	11.00	5.00	2.00	2.50	2.00	2.00	1.00
	90	34.20	31.30	13.60	13.20	5.50	8.00	4.50	7.00
<b>Maximum balance range test*</b>	10	264.78	248.50	296.00	279.28	327.71	309.18	295.22	291.40
	50	198.48	220.75	261.66	240.49	253.75	261.59	237.05	252.00
	90	121.63	178.09	170.69	202.08	198.21	191.78	199.36	188.16

Note: \* indicates percentile scale was inverted, i.e., for all items a score over 90th percentile is an indicator of a worse performance.