

Supplementary Table 2. Association between motor competence and body mass index by age

3 years-old														
LOCOMOTOR SKILLS					BALL SKILLS					OVERALL MC				
BMI percentile	Value	Std. Error	95% CI	Pr (> t )	BMI percentile	Value	Std. Error	95% CI	Pr (> t )	BMI percentile	Value	Std. Error	95% CI	Pr (> t )
<b>0.15 (R<sup>2</sup> = .056)</b>					<b>(R<sup>2</sup> = .071)</b>					<b>(R<sup>2</sup> = .062)</b>				
Cons	15.174	.698	13.803; 16.545	.001	Cons	15.452	.679	14.118; 16.786	.001	Cons	15.527	.720	14.114; 16.940	.001
Sex	-.273	.084	-.439; -.107	.001*	Sex	-.320	.079	-.475; -.166	.001*	Sex	-.373	.065	-.503; -.244	.001*
Age	-.001	.015	-.029; .032	.981	Age	-.002	.016	-.030; .034	.980	Age	.002	.016	-.029; .033	.916
Locom	-.001	.008	-.015; -.015	.981	Ball	-.036	.012	-.060; -.011	.004*	Overall	-.016	.005	-.026; -.005	.003*
<b>0.50 (R<sup>2</sup> = .032)</b>					<b>(R<sup>2</sup> = .042)</b>					<b>(R<sup>2</sup> = .038)</b>				
Cons	16.341	.470	15.417; 17.265	.001	Cons	16.392	.552	15.307; 17.476	.001	Cons	16.158	.555	15.069; 17.247	.001
Sex	-.225	.077	-.376; -.074	.003*	Sex	-.176	.081	-.336; -.015	.032*	Sex	-.191	.094	-.376; -.006	.043*
Age	-.006	.012	-.017; .030	.592	Age	.008	.012	-.016; .031	.523	Age	.013	.013	-.013; .040	.303
Locom	-.016	.006	-.029; -.003	.015*	Ball	-.035	.008	-.052; -.020	.001*	Overall	-.017	.004	-.024; -.008	.001*
<b>0.85 (R<sup>2</sup> = .037)</b>					<b>(R<sup>2</sup> = .042)</b>					<b>(R<sup>2</sup> = .044)</b>				
Cons	16.945	.781	15.413; 18.477	.001	Cons	17.930	1.066	15.838; 20.021	.001	Cons	17.210	.962	15.321; 19.099	.001
Sex	-.080	.170	-.414; .253	.635	Sex	-.404	.126	-.651; -.158	.001*	Sex	-.259	.175	-.604; .085	.141
Age	.033	.019	-.005; .071	.090	Age	.010	.025	-.040; .061	.685	Age	.032	.023	-.015; .078	.183
Locom	-.049	.014	-.077; -.020	.001*	Ball	-.063	.011	-.085; -.040	.001*	Overall	-.036	.007	-.051; -.022	.001*
<b>0.97 (R<sup>2</sup> = .229)</b>					<b>(R<sup>2</sup> = .235)</b>					<b>(R<sup>2</sup> = .235)</b>				
Cons	15.573	2.325	11.011; 20.134	.001	Cons	16.928	2.015	12.973; 20.882	.001	Cons	15.558	2.291	11.063; 20.053	.001
Sex	-.445	.429	-1.288; .397	.300	Sex	-.382	.445	-1.256; .492	.391	Sex	-.489	.318	-1.114; .135	.125
Age	.110	.060	-.009; .229	.070	Age	.084	.053	-.019; .188	.110	Age	.127	.064	.002; .254	.050
Locom	-.069	.035	-.138; -.001	.048*	Ball	-.137	.037	-.212; -.063	.001*	Overall	-.068	.023	-.113; -.024	.003*
4 years-old														
<b>0.15 (R<sup>2</sup> = .019)</b>					<b>(R<sup>2</sup> = .020)</b>					<b>(R<sup>2</sup> = .020)</b>				
Cons	15.131	.704	13.750; 16.512	.001	Cons	15.447	.682	14.103; 16.785	.001	Cons	15.425	.674	14.103; 16.746	.001
Sex	-.010	.054	-.116; .095	.843	Sex	-.061	.089	-.237; .114	.492	Sex	-.040	.090	-.217; .137	.657
Age	-.002	.011	-.024; .019	.816	Age	-.005	.011	-.028; .016	.617	Age	-.005	.012	-.029; .018	.680
Locom	-.005	.005	-.142; .004	.293	Ball	-.012	.004	-.021; -.004	.003*	Overall	-.006	.003	-.012; .001	.091
<b>0.50 (R<sup>2</sup> = .007)</b>					<b>(R<sup>2</sup> = .007)</b>					<b>(R<sup>2</sup> = .008)</b>				
Cons	15.451	.624	14.226; 16.677	.001	Cons	15.749	1.012	13.762; 17.735	.001	Cons	15.550	.709	14.159; 16.943	.001
Sex	-.055	.070	-.192; .082	.428	Sex	-.116	.086	-.283; .052	.176	Sex	-.094	.082	-.255; .067	.253
Age	.016	.011	-.005; .038	.142	Age	.009	.017	-.025; .044	.597	Age	.015	.012	-.009; .040	.220
Locom	-.014	.005	-.023; -.004	.004*	Ball	-.012	.003	-.020; -.005	.001*	Overall	-.008	.003	-.015; -.003	.004*
<b>0.85 (R<sup>2</sup> = .026)</b>					<b>(R<sup>2</sup> = .028)</b>					<b>(R<sup>2</sup> = .030)</b>				
Cons	16.067	1.590	12.948; 19.185	.001	Cons	15.513	1.544	12.484; 18.541	.001	Cons	16.176	1.670	12.901; 19.450	.001
Sex	.056	.137	-.211; .320	.680	Sex	-.008	.153	-.309; .292	.959	Sex	-.026	.116	-.254; .202	.822
Age	.035	.027	-.018; .089	.198	Age	.041	.027	-.012; .095	.134	Age	.035	.029	-.022; .093	.232
Locom	-.037	.009	-.055; -.019	.001*	Ball	-.032	.007	-.048; -.019	.001*	Overall	-.023	.005	-.032; -.013	.001*
<b>0.97 (R<sup>2</sup> = .144)</b>					<b>(R<sup>2</sup> = .136)</b>					<b>(R<sup>2</sup> = .142)</b>				
Cons	16.340	2.945	10.564; 22.115	.001	Cons	17.8178	2.369	13.170; 22.463	.001	Cons	18.207	2.884	12.552; 23.863	.001
Sex	.418	.368	-.305; 1.140	.257	Sex	.156	.366	-.562; .873	.669	Sex	.0297	.329	-.348; .944	.366
Age	.080	.045	-.009; .170	.080	Age	.041	.039	-.037; .119	.304	Age	.050	.042	-.034; .133	.246
Locom	-.078	.023	-.123; -.031	.001*	Ball	-.045	.007	-.060; -.031	.001*	Overall	-.040	.010	-.060; -.019	.001*
5 years-old														
<b>0.15 (R<sup>2</sup> = .018)</b>					<b>(R<sup>2</sup> = .017)</b>					<b>(R<sup>2</sup> = .019)</b>				
Cons	15.468	1.184	13.143; 17.788	.001	Cons	15.578	.830	13.949; 17.207	.001	Cons	15.398	1.165	13.114; 17.684	.001
Sex	-.335	.092	-.516; -.155	.001*	Sex	-.348	.114	-.572; -.123	.002*	Sex	-.328	.077	-.479; -.178	.001*
Age	-.006	.019	-.043; .031	.745	Age	-.009	.014	-.037; .019	.546	Age	-.004	.019	-.042; .034	.853
Locom	-.011	.005	-.022; -.001	.038*	Ball	-.010	.007	-.024; .005	.181	Overall	-.008	.003	-.015; -.002	.011*
<b>0.50 (R<sup>2</sup> = .013)</b>					<b>(R<sup>2</sup> = .014)</b>					<b>(R<sup>2</sup> = .013)</b>				

Cons	14.462	.755	13.979; 16.944	.001	Cons	15.586	1.301	13.033; 18.138	.001	Cons	15.381	1.281	12.869; 17.894	.001
Sex	-.168	.088	-.340; .005	.057	Sex	<b>-.236</b>	.089	-.412; -.060	<b>.009*</b>	Sex	<b>-.213</b>	.086	-.383; -.044	<b>.014*</b>
Age	.010	.013	.015; .035	.417	Age	.010	.020	-.030; .050	.619	Age	.014	.020	-.025; .053	.488
Locom	-.004	.006	-.016; -.008	.511	Ball	-.010	.006	-.021; .001	.087	Overall	-.005	.004	-.013; .001	.239
<b>0.85 (R<sup>2</sup> = .030)</b>					<b>(R<sup>2</sup> = .038)</b>					<b>(R<sup>2</sup> = .038)</b>				
Cons	18.184	2.881	14.494; 21.875	.001	Cons	17.295	1.952	13.467; 21.123	.001	Cons	17.131	1.968	13.271; 20.990	.001
Sex	-.141	.211	-.557; .273	.503	Sex	-.302	.207	-.709; .104	.145	Sex	-.228	.177	-.576; .121	.201
Age	.011	.027	-.042; .064	.687	Age	.027	.032	-.036; .091	.390	Age	.039	.0327	-.025; .103	.234
Locom	<b>-.056</b>	.016	-.088; -.024	<b>.001*</b>	Ball	<b>-.070</b>	.015	-.099; -.040	<b>.001*</b>	Overall	<b>-.042</b>	.011	-.064; -.019	<b>.001*</b>
<b>0.97 (R<sup>2</sup> = .149)</b>					<b>(R<sup>2</sup> = .146)</b>					<b>(R<sup>2</sup> = .152)</b>				
Cons	22.156	3.607	15.080; 29.232	.001	Cons	26.505	4.292	18.085; 34.924	.001	Cons	23.006	4.517	14.147; 31.864	.001
Sex	-.242	.446	-1.118; .634	.588	Sex	-.242	.325	-.881; .397	.458	Sex	-.111	.397	-.890; .667	.779
Age	-.003	.059	-.118; .112	.964	Age	-.083	.068	-.219; .051	.224	Age	-.015	.071	-.155; .125	.832
Locom	<b>-.087</b>	.025	-.136; -.036	<b>.001*</b>	Ball	<b>-.071</b>	.019	-.108; -.033	<b>.001*</b>	Overall	<b>-.046</b>	.016	-.078; -.014	<b>.005*</b>

Note: Analyses are adjusted by country; BMI = Body Mass Index; MC = Motor Competence; Std. Error = Standard Error; 95% CI= 95% Confidence Interval; R<sup>2</sup> = Pseudo R<sup>2</sup>; \* Pr(>t) <0.05.