

Additional file 1: Table S1: Confirmatory factor analysis results for measures of self-determined motivation and psychological need satisfaction among children (n=462).

	Standardized loading	95% CI	Standard error*	P
Physical Activity Motivation				
Intrinsic				
Being active is fun	.673	.596, .751	.039	.000
I enjoy being active	.786	.726, .847	.031	.000
I like being active	.751	.646, .857	.054	.000
Identified				
It is important to me to be active	.710	.651, .769	.030	.000
I value the benefits of being active	.622	.542, .702	.041	.000
In life it is important to be active	.669	.587, .751	.042	.000
Introjected				
When I'm not active I feel bad	.451	.342, .560	.056	.000
When I don't do activity I feel bad about myself	.515	.389, .641	.064	.000
I want to show other people how good I am	.451	.331, .570	.061	.000
External				
Other people say I should be	.658	.587, .729	.036	.000
If I'm not, other people will not be pleased with me	.685	.600, .769	.043	.000
Other people pressure me to be active	.656	.549, .762	.054	.000
Factor Correlations (p-value)	Intrinsic	Identified	Introjected	External
Intrinsic	-			
Identified	.755 (.000)	-		
Introjected	.402 (.000)	.701 (.000)	-	
External	.031 (.642)	.233 (.000)	.880 (.000)	-
Psychological Need Satisfaction				
Autonomy				
I can decide which activities / sports I want to do	.606	.499, .714	.055	.000
I have a say in what activities / sports that I want to do	.602	.505, .698	.049	.000
I feel I am active because I want to be	.606	.522, .689	.043	.000
I feel free when I'm active	.544	.432, .655	.057	.000
I have some choice in what activity / sport I want to do	.603	.511, .694	.047	.000
Competence				
When it comes to playing active games, I think I am pretty good	.740	.681, .799	.030	.000
I think I do well, compared to other children my age	.682	.601, .764	.042	.000
After working at a new activity for a while, I feel that I can do it pretty well	.619	.531, .707	.045	.000
I am happy with how good I am at doing active games	.682	.627, .737	.028	.000
When it comes to being active, I think I have good physical skills.	.748	.682, .813	.033	.000
Relatedness				
I am included by others	.627	.525, .729	.052	.000
I feel like I'm part of a team	.678	.601, .755	.040	.000
I am supported by others	.711	.676, .745	.018	.000
Others want me to be active with them	.632	.559, .704	.037	.000
I have close bonds with others	.586	.493, .679	.048	.000
I fit in well with others	.672	.589, .756	.043	.000
Factor Correlations (p-value)	Autonomy	Competence	Relatedness	
Autonomy	-			
Competence	.839 (.000)	-		
Relatedness	.756 (.000)	.749 (.000)	-	

*Robust standard errors are reported as participants were clustered within schools.