



Table S1: Comparison of baseline information for children with baseline (BL) and follow-up (FU) physical activity data v. children with only BL physical activity outcomes

Children with (BL and FU) Vs. (BL Only) at Baseline				
		BL and FU (n=190)	BL only (n=90)	
		Percent	Percent	p-value ^a
Number of Days no outside time during measurement	0 days	96.3	96.7	0.883
	1 day	3.7	3.3	
	2 days	0	0	
Number of Days with rain during measurement	0 days	72.1	75.6	0.155
	1 day	13.7	17.8	
	2 days	14.2	6.7	
Child				
Race	White	36.3	25.6	< 0.001
	Black	42.6	37.8	
	Hispanic	5.8	2.2	
	Other	11.1	5.6	
	Missing	4.2	28.9	
Sex	Girl	55.3	41.1	0.076
	Boy	43.7	56.7	
	Missing	1.1	2.2	
		MN (SD)	MN (SD)	p-value ^b
Age	Years	3.89 (0.48)	3.87 (0.63)	0.714
BMI percentile	%-tile	57.85 (29.1)	60.21 (28.7)	0.594
Physical Activity				
Wear Days	per week	2.59 (0.65)	2.41 (0.72)	0.039
Wear Hours	per day	6.98 (0.78)	6.99 (0.83)	0.895
Vector Magnitude	Per min	1275 (324)	1231 (285)	0.268
Moderate and	min/day	34.6 (12.5)	35.0 (12.8)	0.813
Vigorous	% of Day	8.21 (2.8)	8.25 (2.7)	0.906
Sedentary	min/day	270 (37)	278 (38)	0.108
	% of Day	64.8 (7.3)	66.5 (6.5)	0.060

NOTE: MN = Mean, SD = Standard Deviation, CON=control; INT= Intervention

^a p-value for frequency comparison from Chi-square model

^b p-value for mean comparison from General linear model

Table S2: Means and model summary for tests of GROUP x TIME x SEX interaction.

UnAdjusted Means																	Adjusted Means																			
Baseline																	Follow-up																			
Change																	Interaction																			
Baseline																	Follow-up																			
SEX																	Group																			
N																	MEAN					SD														
N																	MEAN					SD														
% Change																	Effect Size					p-value														
MEAN																	SE					MEAN					SE					% Change				
Moderate and Vigorous	Minutes per day	BOY	INT	68	36.19	12.93	41	40.64	13.20	12.3	0.41	0.019	32.13	2.36	39.45	2.48	22.8																			
		BOY	CON	66	33.65	13.23	57	32.77	12.02	-2.6			32.13	2.54	30.33	2.44	-5.6																			
		GIRL	INT	71	34.28	12.06	53	31.60	14.30	-7.8	-0.01		29.83	2.37	31.21	2.34	4.6																			
		GIRL	CON	71	35.02	12.65	64	32.45	11.11	-7.3			31.34	2.49	28.73	2.43	-8.3																			
	% of Day	BOY	INT	68	8.55	2.91	41	9.85	2.96	15.2	0.60	0.021	7.34	0.57	9.11	0.60	24.2																			
		BOY	CON	66	8.14	2.87	57	7.71	2.77	-5.3			7.21	0.60	6.94	0.59	-3.8																			
		GIRL	INT	71	8.03	2.76	53	7.47	3.18	-7.0	-0.04		6.81	0.57	7.17	0.57	5.3																			
		GIRL	CON	71	8.21	2.68	64	7.77	2.57	-5.4			7.06	0.60	6.51	0.58	-7.8																			
Sedentary Time	Minutes per day	BOY	INT	68	274.87	42.57	41	255.83	31.40	-6.9	-0.95	0.155	286.46	5.68	270.14	6.01	-5.7																			
		BOY	CON	66	268.77	31.28	57	284.73	38.18	5.9			287.29	6.16	290.39	5.90	1.1																			
		GIRL	INT	71	274.33	36.92	53	276.51	38.19	0.8	0.02		285.45	5.72	280.56	5.63	-1.7																			
		GIRL	CON	71	271.42	38.15	64	272.79	41.07	0.5			284.68	6.03	288.90	5.87	1.5																			
	% of Day	BOY	INT	68	65.31	7.18	41	62.96	6.98	-3.6	-0.45	0.210	69.91	1.40	66.05	1.49	-5.5																			
		BOY	CON	66	66.44	7.03	57	67.28	7.31	1.3			70.68	1.50	70.68	1.46	0.0																			
		GIRL	INT	71	64.72	7.03	53	66.08	8.34	2.1	0.09		69.60	1.42	68.29	1.40	-1.9																			
		GIRL	CON	71	64.88	7.24	64	65.59	6.94	1.1			69.88	1.49	70.50	1.45	0.9																			

Means and model summary for tests of GROUP x TIME x AGE (baseline) interaction

		UnAdjusted Means											Adjusted Means						
		Baseline					Follow-up			Change			Interaction		Baseline		Follow-up		
		AGE	Group	N	MEAN	SD	N	MEAN	SD	% Change	Effect Size	p-value	MEAN	SE	MEAN	SE	% Change		
Moderate and Vigorous	Minutes per Day	Tert1	INT	35	34.17	12.00	19	34.86	12.87	2.0	0.15	Tert - 0.024	26.2	3.2	37.1	3.2	41.2		
			CON	56	35.77	11.62	49	34.71	10.76	-3.0		Cont - 0.100	27.7	3.1	26.8	2.9	-3.4		
		Tert2	INT	42	36.15	12.27	39	36.30	14.65	0.4	0.15		28.8	2.6	33.1	2.5	14.7		
			CON	53	33.42	13.57	52	31.66	12.54	-5.3			27.7	2.7	25.8	2.6	-6.9		
		Tert3	INT	62	35.16	13.04	34	34.74	15.40	-1.2	0.27		28.7	3.1	28.8	3.3	0.4		
			CON	30	33.43	13.72	20	29.39	9.71	-12.1			31.4	3.2	26.6	3.5	-15.5		
	% of Day	Tert1	INT	35	7.9	2.67	19	8.79	3.31	11.3	0.48	Tert - 0.015	5.97	0.77	8.64	0.77	44.7		
			CON	56	8.37	2.49	49	8.03	2.43	-4.1		Cont - 0.082	6.06	0.74	6.00	0.70	-1.0		
		Tert2	INT	42	8.53	2.96	39	8.66	3.26	1.5	0.14		6.49	0.62	7.53	0.62	15.9		
			CON	53	7.89	2.78	52	7.62	2.95	-3.4			6.10	0.65	5.75	0.63	-5.7		
		Tert3	INT	62	8.32	2.87	34	8.06	3.32	-3.1	0.28		6.38	0.74	6.44	0.80	0.8		
			CON	30	8.33	3.17	20	7.23	2.34	-13.2			7.09	0.78	5.95	0.85	-16.0		
	Sedentary Time	Minutes per Day	Tert1	INT	35	286.21	46.79	19	253.26	33.48	-11.5	-1.02	Tert - 0.005	300.6	7.8	273.2	7.8	-9.1	
				CON	56	273.28	35.82	49	282.36	41.38	3.3		Cont - 0.023	297.8	7.6	298.8	7.1	0.3	
			Tert2	INT	42	275.53	35.16	39	266.6	35.63	-3.2	-0.41		291.3	6.3	277.5	6.2	-4.7	
				CON	53	271.63	33.41	52	276.79	41.2	1.9			293.7	6.6	299.0	6.3	1.8	
Tert3			INT	62	267.81	37.2	34	278.8	36.89	4.1	-0.01		287.5	7.5	290.7	8.0	1.1		
			CON	30	261.34	35.14	20	272.65	34.02	4.3			286.4	7.9	290.2	8.6	1.3		
% of Day		Tert1	INT	35	66.1	6.56	19	64.26	7.79	-2.8	-0.40	Tert - 0.009	72.7	1.9	66.4	1.9	-8.7		
			CON	56	64.84	6.67	49	65.62	7.67	1.2		Cont - 0.033	73.3	1.9	72.9	1.8	-0.5		
		Tert2	INT	42	65.17	5.9	39	64.4	7.78	-1.2	-0.28		71.2	1.6	67.8	1.5	-4.7		
			CON	53	65.82	7.75	52	66.93	6.93	1.7			72.3	1.6	73.0	1.6	1.0		
		Tert3	INT	62	64.22	8.02	34	65.56	8.24	2.1	0.14		70.7	1.8	71.2	2.0	0.7		
			CON	30	66.53	6.91	20	66.81	6.44	0.4			70.1	1.9	70.7	2.1	0.8		

AGE x GROUP x TIME interaction tested using age at baseline as continuous (Cont.) and tertile (tert) level variable.
Age at Tert 1 (M = 3.3 SD = 0.21), Tert 2 (M = 3.8 SD = 0.13), Tert 3 (M = 4.5 SD = 0.34)

Age of children in each tertile						
Age Group	N	Mean	STD	Mediar	MIN	MAX
Tert1	91	3.32	0.21	3.37	2.64	3.59
Tert2	95	3.83	0.13	3.84	3.60	4.05
Tert3	92	4.49	0.34	4.39	4.05	5.44