

Additional file Table 1b Associations between changes in sedentary behavior or physical activity and potential determinants/moderators in girls

Dependent variables	Are you active?	Girls: 1: n=10, 2: n=42, 3: n=57				Are you good at sports or exercise?	Girls: 1: n=23, 2: n=34, 3: n=54				Is your child good at sports or exercise?	Girls: 1: n=39, 2: n=40, 3: n=30				How would you describe your child's body shape?	Girls: 1: n=31, 2: n=66, 3: n=12					
		Estimated		B	P-value		Estimated		B	P-value		Estimated		B	P-value		Estimated		B	P-value		
		mean	SE				mean	SE				mean	SE				mean	SE				
ASedentary behavior (min/day)	1. no	9.4	17.3	-15.0	0.021 (2 VS 3)	1. considerably and slightly lower skilled	22.4	11.4	7.4	0.021 (2 VS 3)	1. considerably and slightly lower skilled	19.0	8.9	12.4	0.021 (2 VS 3)	1. thin	17.1	11.2	35.8			
	2. neither	-0.1	8.1	-24.6		2. slightly highly skilled	4.8	9.4	-10.2		2. slightly highly skilled	13.8	8.3	7.2		2. maintain the present body	17.8	6.8	36.5			
	3. yes	24.5	7.5	0.0		3. considerably highly skill	15.0	7.8	0.0		3. considerably highly skill	6.6	9.6	0.0		3. overweight or obese	-18.7	20.7	0.0			
	*1. no	9.0	17.5	-15.9		*1. considerably and slightly lower skilled	22.4	11.4	7.4		*1. considerably and slightly lower skilled	19.1	8.9	13.5		*1. thin	17.2	11.2	36.3			
*2. neither	0.0	8.1	-24.8	0.021 (2 VS 3)	*2. slightly highly skilled	4.8	9.5	-10.1	0.021 (2 VS 3)	*2. slightly highly skilled	13.7	8.4	8.2	*2. maintain the present body	17.5	6.9	36.6					
*3. yes	24.8	7.6	0.0		*3. considerably highly skill	15.0	8.0	0.0		*3. considerably highly skill	5.5	9.9	0.0	*3. overweight or obese	-19.1	20.8	0.0					
ALPA (min/day)																						
Ambulatory	1. no	-12.3	5.9		3.7	0.021 (2 VS 3)	1. considerably and slightly lower skilled	-19.2		3.8	-5.7	0.021 (2 VS 3)	1. considerably and slightly lower skilled	-18.6	2.9	-7.9	0.021 (2 VS 3)	1. thin	-15.4	3.8	-3.0	
2. neither	-13.9	2.8	2.1	2. slightly highly skilled	-13.4		3.2	0.1	2. slightly highly skilled	-14.0	2.7		-3.3	2. maintain the present body	-14.3	2.3		-2.0				
3. yes	-16.0	2.5	0.0	3. considerably highly skill	-13.5		2.6	0.0	3. considerably highly skill	-10.8	3.1		0.0	3. overweight or obese	-12.4	7.2		0.0				
*1. no	-12.2	5.9	3.7	*1. considerably and slightly lower skilled	-19.2		3.8	-5.7	*1. considerably and slightly lower skilled	-18.9	3.0		-8.3	*1. thin	-15.4	3.8		-3.0				
*2. neither	-13.9	2.8	2.1	0.021 (2 VS 3)	*2. slightly highly skilled	-13.4	3.2	0.1	0.021 (2 VS 3)	*2. slightly highly skilled	-14.0	2.8	-3.3	0.021 (2 VS 3)	*2. maintain the present body	-14.3	2.3	-2.0				
*3. yes	-16.0	2.6	0.0		*3. considerably highly skill	-13.5	2.6	0.0		*3. considerably highly skill	-10.6	3.2	0.0		*3. overweight or obese	-12.4	7.3	0.0				
Non-ambulatory	1. no	-37.5	10.7		-10.3	0.021 (2 VS 3)	1. considerably and slightly lower skilled	-30.6		7.0	-2.5	0.021 (2 VS 3)	1. considerably and slightly lower skilled		-33.9	5.6	-4.1	0.021 (2 VS 3)	1. thin	-30.8	7.2	-11.6
2. neither	-24.4	5.0	2.8		2. slightly highly skilled		-25.1	5.8		2.9	2. slightly highly skilled		-21.0		5.2	8.8	2. maintain the present body		-27.7	4.3	-8.5	
3. yes	-27.2	4.6	0.0	3. considerably highly skill	-28.1		4.8	0.0	3. considerably highly skill	-29.8	5.9		0.0	3. overweight or obese	-19.2	13.4	0.0					
*1. no	-38.4	10.9	-11.8	*1. considerably and slightly lower skilled	-30.9		7.0	-3.2	*1. considerably and slightly lower skilled	-34.0	5.6		-4.7	*1. thin	-31.0	7.2	-12.7					
*2. neither	-24.5	5.0	2.1	0.021 (2 VS 3)	*2. slightly highly skilled	-24.9	5.8	2.8	0.021 (2 VS 3)	*2. slightly highly skilled	-20.8	5.2	8.5	0.021 (2 VS 3)	*2. maintain the present body	-27.4	4.4	-9.1				
*3. yes	-26.6	4.8	0.0		*3. considerably highly skill	-27.7	4.9	0.0		*3. considerably highly skill	-29.3	6.0	0.0		*3. overweight or obese	-18.3	13.5	0.0				
Total	1. no	-50.4	13.5		-7.4	0.021 (2 VS 3)	1. considerably and slightly lower skilled	-49.8		8.8	-8.2	0.021 (2 VS 3)	1. considerably and slightly lower skilled		-52.3	6.9	-11.9	0.021 (2 VS 3)	1. thin	-46.3	9.0	-14.8
2. neither	-37.9	6.3	5.0		2. slightly highly skilled		-38.0	7.3		3.6	2. slightly highly skilled		-34.9		6.5	5.4	2. maintain the present body		-41.8	5.4	-10.3	
3. yes	-43.0	5.8	0.0	3. considerably highly skill	-41.6		6.1	0.0	3. considerably highly skill	-40.4	7.5		0.0	3. overweight or obese	-31.4	16.5	0.0					
*1. no	-50.4	13.6	-7.5	*1. considerably and slightly lower skilled	-50.0		8.9	-8.5	*1. considerably and slightly lower skilled	-52.9	7.0		-13.2	*1. thin	-46.3	9.0	-14.9					
*2. neither	-38.0	6.4	5.0	0.021 (2 VS 3)	*2. slightly highly skilled	-38.1	7.3	3.4	0.021 (2 VS 3)	*2. slightly highly skilled	-34.6	6.6	5.0	0.021 (2 VS 3)	*2. maintain the present body	-41.6	5.5	-10.2				
*3. yes	-43.0	6.0	0.0		*3. considerably highly skill	-41.5	6.2	0.0		*3. considerably highly skill	-39.6	7.6	0.0		*3. overweight or obese	-31.4	16.6	0.0				
AMVPA (min/day)																						
Ambulatory	1. no	-6.9	2.9		0.5	0.032 (1 VS 2)	1. considerably and slightly lower skilled	-10.5		1.8	-4.5	0.032 (1 VS 2)	1. considerably and slightly lower skilled		-6.9	1.3	-1.9	0.032 (1 VS 2)	1. thin	-8.2	1.6	-6.8
2. neither	-6.4	1.3	1.1	2. slightly highly skilled	-5.7		1.5	0.4	2. slightly highly skilled	-8.2	1.2		-3.2	2. maintain the present body	-7.3	1.0	-5.9					
3. yes	-7.4	1.2	0.0	3. considerably highly skill	-6.1		1.2	0.0	3. considerably highly skill	-5.0	1.4		0.0	3. overweight or obese	-1.4	3.0	0.0					
*1. no	-6.4	2.9	1.0	*1. considerably and slightly lower skilled	-10.3		1.8	-4.3	*1. considerably and slightly lower skilled	-6.7	1.3		-1.4	*1. thin	-8.3	1.6	-7.1					
*2. neither	-6.4	1.3	1.1	0.042 (1 VS 3)	*2. slightly highly skilled	-5.8	1.5	0.2	0.042 (1 VS 3)	*2. slightly highly skilled	-8.3	1.2	-3.1	0.042 (1 VS 3)	*2. maintain the present body	-7.3	1.0	-6.2				
*3. yes	-7.5	1.2	0.0		*3. considerably highly skill	-6.0	1.2	0.0		*3. considerably highly skill	-5.2	1.4	0.0		*3. overweight or obese	-1.1	2.9	0.0				
Non-ambulatory	1. no	-0.6	1.7		1.5	0.024 (1 VS 2)	1. considerably and slightly lower skilled	-3.0		1.1	-0.4	0.024 (1 VS 2)	1. considerably and slightly lower skilled		-4.0	0.9	-2.4	0.024 (1 VS 2)	1. thin	-1.8	1.1	1.6
2. neither	-3.2	0.8	-1.1		2. slightly highly skilled		-1.7	0.9		0.8	2. slightly highly skilled		-1.4		0.8	0.2	2. maintain the present body		-2.3	0.7	1.1	
3. yes	-2.1	0.7	0.0	3. considerably highly skill	-2.5		0.8	0.0	3. considerably highly skill	-1.6	1.0		0.0	3. overweight or obese	-3.4	2.1	0.0					
*1. no	-0.6	1.7	1.6	*1. considerably and slightly lower skilled	-3.0		1.1	-0.5	*1. considerably and slightly lower skilled	-3.9	0.9		-2.4	*1. thin	-1.8	1.1	1.4					
*2. neither	-3.2	0.8	-1.1	0.033 (1 VS 2)	*2. slightly highly skilled	-1.8	0.9	0.7	0.033 (1 VS 2)	*2. slightly highly skilled	-1.4	0.8	0.1	0.033 (1 VS 2)	*2. maintain the present body	-2.3	0.7	0.9				
*3. yes	-2.1	0.7	0.0		*3. considerably highly skill	-2.5	0.8	0.0		*3. considerably highly skill	-1.5	1.0	0.0		*3. overweight or obese	-3.2	2.1	0.0				
Total	1. no	-7.1	3.7		2.4	0.041 (1 VS 2)	1. considerably and slightly lower skilled	-13.6		2.3	-5.1	0.041 (1 VS 2)	1. considerably and slightly lower skilled		-11.1	1.7	-4.7	0.041 (1 VS 2)	1. thin	-10.0	2.2	-5.1
2. neither	-9.7	1.7	-0.1		2. slightly highly skilled		-7.5	1.9		1.0	2. slightly highly skilled		-9.6		1.6	-3.2	2. maintain the present body		-9.6	1.4	-4.7	
3. yes	-9.5	1.6	0.0	3. considerably highly skill	-8.5		1.6	0.0	3. considerably highly skill	-6.4	1.9		0.0	3. overweight or obese	-4.9	4.1	0.0					
*1. no	-6.6	3.7	2.9	*1. considerably and slightly lower skilled	-13.3		2.3	-5.1	*1. considerably and slightly lower skilled	-10.7	1.7		-4.3	*1. thin	-10.1	2.2	-5.9					
*2. neither	-9.6	1.7	-0.1	0.041 (1 VS 2)	*2. slightly highly skilled	-7.8	1.9	0.5	0.041 (1 VS 2)	*2. slightly highly skilled	-9.7	1.6	-3.3	0.041 (1 VS 2)	*2. maintain the present body	-9.5	1.3	-5.2				
*3. yes	-9.5	1.6	0.0		*3. considerably highly skill	-8.3	1.6	0.0		*3. considerably highly skill	-6.4	1.9	0.0		*3. overweight or obese	-4.3	4.1	0.0				
AMPA (min/day)																						
Ambulatory	1. no	-5.6	2.6		0.1	0.025 (1 VS 2)	1. considerably and slightly lower skilled	-8.9		1.6	-4.6	0.025 (1 VS 2)	1. considerably and slightly lower skilled		-5.4	1.2	-1.8	0.025 (1 VS 2)	1. thin	-6.6	1.5	-6.6
2. neither	-4.8	1.2	1.0	2. slightly highly skilled	-4.2		1.3	0.1	2. slightly highly skilled	-6.4	1.1		-2.8	2. maintain the present body	-5.6	0.9	-5.6					
3. yes	-5.7	1.2	0.0	3. considerably highly skill	-4.4		1.1	0.0	3. considerably highly skill	-3.7	1.3		0.0	3. overweight or obese	0.0	2.7	0.0					
*1. no	-5.2	2.7	0.6	*1. considerably and slightly lower skilled	-8.8		1.6	-4.5	*1. considerably and slightly lower skilled	-5.2	1.2		-1.4	*1. thin	-6.7	1.5	-7.0					
*2. neither	-4.8	1.2	1.0	0.037 (1 VS 2)	*2. slightly highly skilled	-4.4	1.4	-0.1	0.037 (1 VS 2)	*2. slightly highly skilled	-6.5	1.1	-2.7	0.037 (1 VS 2)	*2. maintain the present body	-5.7	0.9	-6.0				
*3. yes	-5.8	1.2	0.0		*3. considerably highly skill	-4.3	1.1	0.0		*3. considerably highly skill	-3.8	1.3	0.0		*3. overweight or obese	0.3	2.7	0.0				
Non-ambulatory	1. no	-0.6	1.7		1.3	0.024 (1 VS 3)	1. considerably and slightly lower skilled	-2.8		1.1	-0.5	0.024 (1 VS 3)	1. considerably and slightly lower skilled		-3.7	0.8	-2.5	0.024 (1 VS 3)	1. thin	-1.7	1.1	1.3
2. neither	-2.8	0.8	-1.0		2. slightly highly skilled		-1.5	0.9		0.7	2. slightly highly skilled		-1.2		0.8	0.1	2. maintain the present body		-1.9	0.6	1.1	
3. yes	-1.9	0.7	0.0	3. considerably highly skill	-2.2		0.7	0.0	3. considerably highly skill	-1.2	0.9		0.0	3. overweight or obese	-3.0	2.0	0.0					
*1. no	-0.5	1.7	1.3	*1. considerably and slightly lower skilled	-2.7		1.1	-0.5	*1. considerably and slightly lower skilled	-3.7	0.8		-2.4	*1. thin	-1.7	1.1	1.2					
*2. neither	-2.8	0.8	-1.0	0.028 (1 VS 2)	*2. slightly highly skilled	-1.6	0.9	0.6	0.028 (1 VS 2)	*2. slightly highly skilled	-1.2	0.8	0.0	0.028 (1 VS 2)	*2. maintain the present body	-2.0	0.6	0.9				
*3. yes	-1.9	0.7	0.0		*3. considerably highly skill	-2.2	0.7	0.0		*3. considerably highly skill	-1.2	0.9	0.0		*3. overweight or obese	-2.9	2.0	0.0				
Total	1. no	-5.8	3.4		1.7	0.023 (1 VS 2)	1. considerably and slightly lower skilled	-11.1		2.1	-4.7	0.023 (1 VS 2)	1. considerably and slightly lower skilled		-9.0	1.6	-4.2	0.023 (1 VS 2)	1. thin	-8.1	2.0	-5.2
2. neither	-7.4	1.6	0.2		2. slightly highly skilled		-5.9	1.8		0.5	2. slightly highly skilled		-7.5		1.5	-2.8	2. maintain the present body		-7.5	1.2	-4.6	
3. yes	-7.6	1.5	0.0	3. considerably highly skill	-6.4		1.5	0.0	3. considerably highly skill	-4.7	1.8		0.0	3. overweight or obese	-2.9	3.7	0.0					
*1. no	-5.4	3.4	2.1	*1. considerably and slightly lower skilled	-11.0		2.1	-4.8	*1. considerably and slightly lower skilled	-8.6	1.6		-3.8	*1. thin	-8.2	2.0	-6.0					
*2. neither	-7.4	1.6	0.2	0.049 (1 VS 3)	*2. slightly highly skilled	-6.1	1.8	0.1	0.049 (1 VS 3)	*2. slightly highly skilled	-7.6	1.5	-2.8	0.049 (1 VS 3)	*2. maintain the present body	-7.5	1.2	-5.3				
*3. yes	-7.5	1.5	0.0		*3. considerably highly skill	-6.2	1.5	0.0		*3. considerably highly skill	-4.8	1.7	0.0		*3. overweight or obese	-2.2	3.7	0.0				
AStep count (steps/day)																						
1. no	-2021	668	-290		0.031 (1 VS 2)	1. considerably and slightly lower skilled	-2563	415		-1077	0.031 (1 VS 2)	1. considerably and slightly lower skilled	-1968		325	-827	0.031 (1 VS 2)	1. thin	-1902	419	-1027	
2. neither	-1495	313	236	2. slightly highly skilled		-1352	347	135	2. slightly highly skilled	-1807		306	-666	2. maintain the present body	-1682	256		-806				
3. yes	-1731	294	0	3. considerably highly skill		-1487	288	0	3. considerably highly skill	-1141		353	0	3. overweight or obese	-875	781		0				

LPA: Light physical activity, MVPA: moderate-to-vigorous physical activity, MPA: moderate physical activity, SE: standard error, Δ