

**Table e1.** Descriptive characteristics of participants

<b>Characteristic</b>		<b>Included</b> n=5855	<b>Excluded</b> n=1517	<b>Difference:</b> <i>effect size, p</i>
<b>Sex, n (%)</b>	Male	2635 (45)	787 (52)	0.06 <sup>a</sup>
	Female	3220 (55)	730 (48)	(<0.001)
<b>Highest parental education, n (%)</b>	1	1158 (20)	242 (22) <sup>n=1118</sup>	0.03 <sup>a</sup>
	2	2479 (42)	496 (44)	(0.04)
	3	2218 (38)	380 (34)	
<b>Number of parents, n (%)</b>	≤1	1081 (18)	298 (20)	0.01 <sup>a</sup>
	≥2	4774 (82)	1219 (80)	(0.29)
<b>Number of siblings, n (%)</b>	0	1042 (18)	199 (13)	0.28 <sup>a</sup>
	1	2444 (42)	411 (27)	(<0.001)
	2	1324 (23)	292 (19)	
	3	553 (9)	140 (9)	
	≥4	492 (8)	475 (31)	
<b>zBMI, mean (sd)</b>		0.45 (1.26)	0.60 (1.28) <sup>n=1486</sup>	0.12 <sup>b</sup> (<0.001)
<b>HRQoL (T-score), mean (sd)</b>		50.11 (9.61)	49.58 (10.1) <sup>n=1443</sup>	0.05 <sup>b</sup> (0.06)
<b>Time use, min/day, compositional mean</b>	Sleep	538 <sup>c</sup>	536 <sup>n=436</sup>	0.00 <sup>d</sup>
	SED	525	526 <sup>n=698</sup>	(0.28) <sup>e</sup>
	LPA	320	320 <sup>n=698</sup>	
	MVPA	57	59 <sup>n=698</sup>	

No standard deviations presented for compositional means because univariate variability is irrelevant for compositional data. <sup>a</sup>Cramer's V, <sup>b</sup>Cohen's d, <sup>c</sup>For dispersion, see variation matrices below in Table 2, <sup>d</sup>partial eta squared, <sup>e</sup>daily time use compositions (transformed to isometric log ratio co-ordinates) were compared using Hotelling's T square test (MANOVA). SED = sedentary time. LPA = light physical activity. MVPA = moderate-to-vigorous physical activity. zBMI=Body mass index z-score (World Health Organization). HRQoL = health-related quality of life. Parent education levels are 1= < high school and some high school; 2 = completed high school and some post-secondary (e.g., vocational diploma or certificate); 3 = bachelor degree and post-graduate)

**Table e2.** Variation matrices of daily movement behavior compositions

	<b>Sleep</b>	<b>SED</b>	<b>LPA</b>	<b>MVPA</b>
<b>Included participants n=5855</b>				
<b>Sleep</b>	0	0.04	0.05	0.18
<b>SED</b>	0.04	0	0.07	0.25
<b>LPA</b>	0.05	0.07	0	0.16
<b>MVPA</b>	0.18	0.25	0.16	0
<b>Excluded participants n=1517</b>				
<b>Sleep</b>	0	0.04	0.05	0.18
<b>SED</b>	0.04	0	0.08	0.23
<b>LPA</b>	0.05	0.08	0	0.14
<b>MVPA</b>	0.18	0.23	0.14	0

SED = sedentary time. LPA = light physical activity. MVPA = moderate-to-vigorous physical activity

**Table e3.** Included and Excluded Participants by Country

	<b>Included, n (%)</b>	<b>Excluded, n (%)</b>	<b>Total, n</b>
<b>Australia</b>	435 (82)	93 (18)	528
<b>Brazil</b>	435 (74)	149 (26)	584
<b>Canada</b>	500 (88)	67 (12)	567
<b>China</b>	462 (84)	90 (16)	552
<b>Colombia</b>	821 (89)	98 (11)	919
<b>Finland</b>	433 (81)	103 (19)	536
<b>India</b>	526 (85)	94 (15)	620
<b>Kenya</b>	457 (81)	106 (19)	563
<b>Portugal</b>	577 (74)	200 (26)	777
<b>RSA</b>	387 (70)	163 (30)	550
<b>England</b>	376 (72)	149 (28)	525
<b>USA</b>	446 (69)	205 (31)	651

RSA= Republic of South Africa, USA = United States

Chi-squared statistic for difference between included/excluded = 219,  $p < 0.001$ , Cramer's V = 0.17