Appendix Tables

Appendix Table 1: Sample Characteristics by Casewise Inclusion and Exclusion of Missing Values for Accelerometry, TV, and Non-TV Sitting samples.

	Accelerometry-Measured Sedentary Time Models						
	Excluded		Included				
Categorical variables[a]	%	N	%	N	*p*	% missing	
Sex (% male)	47.92	192	46.51	587	0.734	0.0	
Limiting longstanding illness (% with LLI)	8.9	192	6.8	587	*0.598*	0.0	
Household income (% in highest quintile)	8.5	71	13.45	587	*0.014*	15.53	
Social class (% managerial technical or professional)	45.45	165	43.61	587	*0.900*	3.5	
Area deprivation (% in most afluent quintile)	21.35	192	23.00	587	*0.157*	0.0	
Continuous variables[b]	Mean	SD	N	Mean	SD	N	*p*	% missing

Continuous variables[b]	Mean	SD	N	Mean	SD	N	*p*	% missing
Age	10.41	3.0	192	10.11	3.0	587	*0.245*	0.0
BMI	19.70	5.0	158	18.76	3.4	587	*0.005*	4.4
Sedentary time per day (Acc) (mins)	462.46	101.62	192	446.02	100.47	587	*0.050*	0.0
TV time per day (SR) (mins)	120.72	73.52	192	117.93	76.45	587	*0.658*	0.0
Non-TV sitting time per day (SR) (mins)	107.78	65.27	192	111.31	70.46	587	*0.540*	0.0
Active transportation time to and from School (mins)	12.26	15.11	192	13.35	16.29	587	*0.414*	0.0
Sporting and informal activities time per day (SR) (mins)	75.99	94.80	192	54.69	53.06	587	*0.000*	0.0
MVPA time per day (Acc) (mins)	62.21	40.39	192	66.91	39.44	587	*0.155*	0.0

	TV Time models						
	Excluded		Included				
Categorical variables[a]	%	N	%	N	*p*	% missing	
Sex (% male)	48.33	1765	50.05	3822	*0.231*	0.0	
Limiting longstanding illness (% with LLI)	9.2	1765	7.8	3822	*0.116*	0.0	
Household income (% in highest	10.82	869	15.10	3822	*0.000*	16.04	

quintile)

	%	N		%	N	p	% missing
Social class (% managerial technical or professional)	43.72	1505		45.05	3822	0.433	4.7
Area deprivation (% in most afluent quintile)	20.34	1765		22.58	3822	0.000	0.0

	Mean	SD	N	Mean	SD	N	p	% missing
Age	10.29	3.2	1765	10.01	3.1	3822	0.002	0.0
BMI	19.62	5.0	1137	18.79	3.46	3822	0.000	11.2
TV time per day (SR) (mins)	127.33	86.22	1765	113.23	62.8	3822	0.000	0.0
Non-TV sitting time per day (SR) (mins)	111.12	73.79	1765	111.09	70.43	3822	0.987	0.0
Active transportation time to and from School (mins)	12.54	18.16	1765	12.07	15.08	3822	0.310	0.0
Sporting and informal activities time per day (SR) (mins)	67.17	84.42	1765	55.52	51.80	3822	0.000	0.0

	Non-TV Sitting Time Models						
	Excluded			Included			
Categorical variables[a]	%	N		%	N	p	% missing
Sex (% male)	49.46	1767		49.53	3820	0.963	0.0
Limiting longstanding illness (% with LLI)	9.1	1767		7.9	3820	0.117	0.0
Household income (% in highest quintile)	11.48	871		14.95	3820	0.000	16.04
Social class (% managerial technical or professional)	44.46	1507		44.76	3820	0.714	4.7
Area deprivation (% in most afluent quintile)	20.66	1767		22.44	3820	0.000	0.0

	Mean	SD	N	Mean	SD	N	p	% missing
Age	10.33	3.2	1767	9.99	3.1	3820	0.000	0.0
BMI	19.63	5.0	1139	18.79	3.5	3820	0.000	11.24
TV time per day (SR) (mins)	119.46	75.63	1767	116.86	69.22	3820	0.206	0.0
Non-TV sitting time per day (SR) (mins)	119.28	87.62	1767	107.32	62.32	3820	0.000	0.0
Active transportation time to and from School (mins)	12.72	18.24	1767	11.98	15.03	3820	0.114	0.0

| Sporting and informal activities time per day (SR) (mins) | 67.16 | 84.36 | 1767 | 55.51 | 51.82 | 3820 | *0.000* | 0.0 |

a Chi Square was used to test significance of association between categorical variables and casewise exclusion
b Anova was used to test significance of association between continuous variables and casewise exclusion

Appendix Table 2: Characteristics of Self-Reported TV time and Accelerometer-Measured Sedentary Time Samples

	Sample		
	TV* (N=3245)	Accelerometer* (N=587)	
Categorical variables[a]	%	%	*p*
Sex (% male)	50.7	46.5	*0.062*
Limiting longstanding illness (% with LLI)	8.0	6.8	*0.433*
Continuous variables[b]	M (SD)	M (SD)	*p*
Age	10.00 (3.1)	10.11 (3.0)	*0.419*
BMI	18.80 (3.5)	18.76 (3.4)	*0.806*
TV time per day (SR) (mins)	113.29 (62.7)	117.93 (76.45)	*0.112*
Non-TV sitting time per day (SR) (mins)	111.27 (70.81)	111.31 (70.46)	*0.990*
Active transportation time to and from School (mins)	11.83 (14.84)	13.35 (16.29)	*0.025*
Sporting and informal activities time per day (SR) (mins)	55.65 (51.55)	54.69 (53.06)	*0.681*

* TV sample comprises individuals who have valid TV time data, but do not have valid accelerometer ST data. Accelerometer sample comprises individuals with valid accelerometer ST data.

[a] Chi Square was used to test significance of association between categorical variables and TV/accelerometer sample.

[b] Anova was used to test significance of association between continuous variables and TV/accelerometer sample.

Appendix Table 3: Multivariable-adjusted Associations between Socioeconomic Position (SEP) Score and Sedentary Time in Children

SEP score	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometer Sedentary Time (mins/day) (N=587)			
1 (lowest) (reference)			
2	5.14 (-10.58, 20.88)	6.35 (-9.24, 21.94)	7.01 (-6.51, 20.54)
3	15.12 (-0.93, 31.18)	15.36 (-0.67, 31.41)	12.28 (-0.59, 25.17)
4	24.14 (10.09, 38.18)	24.15 (10.27, 38.03)	13.08 (0.92, 25.24)
5 (highest)	29.42 (14.26, 44.59)	29.55 (14.44, 44.66)	17.08 (4.74, 29.41)
Trend p	*<0.000*	*<0.000*	*<0.0001*
TV Time (mins/day) (N=3822)			
1 (lowest) (reference)			
2	-13.85 (-24.63, -3.07)	-13.4 (-24.03, -2.76)	-13.2 (-23.77, -2.62)
3	-2.66 (-13.5, 8.17)	-0.95 (-11.62, 9.71)	-2.07 (-12.62, 8.47)
4	-11.65 (-22.14, -1.16)	-11.66 (-22.06, -1.25)	-12.96 (-23.35, -2.56)
5 (highest)	-15.53 (-25.01, -6.06)	-13.64 (-23.08, -4.2)	-15.74 (-25.15, -6.33)
Trend p	*0.005*	*0.016*	*0.003*
Non-TV Sitting Time (mins/day) (N=3820)			
1 (lowest) (reference)			
2	-3.4 (-12.39, 5.58)	-3.33 (-12.34, 5.67)	-3.08 (-12.04, 5.87)
3	-0.35 (-10.1, 9.39)	-0.17 (-10.02, 9.67)	-1.37 (-11.13, 8.39)
4	11.2 (1.76, 20.64)	11.01 (1.47, 20.55)	9.48 (-0.13, 19.1)
5 (highest)	9.44 (0.77, 18.11)	9.6 (0.77, 18.43)	7.11 (-1.77, 15.99)
Trend p	*0.001*	*0.001*	*0.010*

[a] Model 1: adjusted for age and sex; model 2: further adjustments for BMI amd limiting long term illness; model 3: further adjustments for time spent in active transportation to and from school, time spent in sporting or informal activities, and MVPA time (accelerometer models only). Models with accelerometer sedentary time as the outcome were also adjusted for average accelerometer wear time on valid days.

[b] Generalised linear model coefficients; coefficients indicate mean differences (in daily sedentary time) between the reference category (SEP 1) and each of the other SEP scores, e.g. a value of 5 indicates that a specific category had an average daily sedentary time that is 5 minutes higher than the referent group.

Appendix Table 4: Multivariable-adjusted associations between socioeconomic position (SEP) score and sedentary time in children, on week and weekend days

	Weekdays		
SEP score	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=582)			
1 (lowest) (reference)			
2	7.99 (-8.51, 24.49)	9.67 (-6.65, 25.99)	8.12 (-5.99, 22.24)
3	16.79 (0.41, 33.16)	17.24 (0.85, 33.64)	13.15 (0.24, 26.07)
4	29.37 (14.45, 44.29)	29.52 (14.79, 44.26)	15.22 (2.62, 27.83)
5 (highest)	31.58 (15.51, 47.65)	31.73 (15.7, 47.76)	17.89 (4.9, 30.88)
Trend p	*0.000*	*0.000*	*0.002*
TV Time (mins) (N=3818)			
1 (lowest) (reference)			
2	-15.49 (-26.34, -4.63)	-14.8 (-25.51, -4.1)	-14.83 (-25.5, -4.17)
3	-5.45 (-16.4, 5.5)	-3.46 (-14.23, 7.3)	-4.28 (-14.94, 6.37)
4	-16.27 (-27.13, -5.41)	-15.8 (-26.59, -5.02)	-16.76 (-27.53, -5.99)
5 (highest)	-17.91 (-27.56, -8.27)	-15.59 (-25.18, -6)	-17.19 (-26.8, -7.58)
Trend p	*0.001*	*0.003*	*0.001*
Non-TV Sitting Time (mins) (N=3816)			
1 (lowest) (reference)			
2	-5.21 (-14.55, 4.12)	-4.99 (-14.32, 4.32)	-4.86 (-14.14, 4.41)
3	-1.95 (-12.07, 8.17)	-1.27 (-11.49, 8.94)	-2.3 (-12.45, 7.84)
4	9.18 (-0.66, 19.04)	9.13 (-0.82, 19.1)	7.73 (-2.3, 17.77)
5 (highest)	7.18 (-1.97, 16.35)	8.02 (-1.27, 17.33)	5.73 (-3.64, 15.11)
Trend p	*0.006*	*0.004*	*0.025*

	Weekend days		
SEP score	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=455)			
1 (lowest) (reference)			
2	-7.36 (-29.32, 14.59)	-7.38 (-29.4, 14.62)	7.36 (-11.06, 25.79)
3	10.95 (-12.07, 33.98)	11.61 (-11.39, 34.62)	9.87 (-9.14, 28.9)
4	2.13 (-18.97, 23.25)	2.79 (-18.09, 23.67)	0.48 (-16.7, 17.67)
5 (highest)	11.31 (-10.23, 32.87)	12.62 (-8.68, 33.94)	16.52 (-1.12, 34.16)
Trend p	*0.178*	*0.168*	*0.197*
TV Time (mins) (N=3874)			
1 (lowest) (reference)			
2	-4.85 (-19.37, 9.66)	-4.56 (-18.98, 9.85)	-3.77 (-17.72, 10.17)
3	-0.9 (-15.35, 13.55)	0 (-14.46, 14.45)	-1.64 (-15.79, 12.49)
4	-4.28 (-17.75, 9.17)	-4.98 (-18.4, 8.42)	-6.26 (-19.48, 6.96)
5 (highest)	-11.42 (-24.06, 1.21)	-10.3 (-23.11, 2.5)	-13.58 (-26.08, -1.08)
Trend p	*0.114*	*0.129*	*0.032*
Non-TV Sitting Time (mins) (N=3841)			
1 (lowest) (reference)			
2	-2.01 (-13.69, 9.67)	-2.13 (-13.85, 9.57)	-1.74 (-13.5, 10.01)
3	-0.16 (-12.51, 12.19)	-0.74 (-13.12, 11.63)	-1.39 (-13.74, 10.95)

4	14.56 (2.23, 26.89)	14.04 (1.67, 26.4)	13.5 (1.12, 25.87)
5 (highest)	20.16 (8.37, 31.96)	19.37 (7.51, 31.23)	18.03 (6.18, 29.88)
Trend p	*0.000*	*0.000*	*0.000*

[a] Model 1: adjusted for age and sex; model 2: further adjustments for BMI and limiting londstanding illness; model 3: further adjustments for time spent in active transportation to and from school (weekday models only), time spent in sporting or informal activities (on week or weekend days), and MVPA time (accelerometer models only, on week or weekend days). Models with accelerometry sedentary time as the outcome were also adjusted for average accelerometer wear time on valid days (week and weekend days).

[b] Generalised linear model coefficients; coefficients indicate mean differences (in daily sedentary time) between the reference category (SEP 1) and each of the other SEP scores, e.g. a value of 5 indicates that a specific category had an average daily sedentary time that is 5 minutes higher than the referent group.

Appendix Table 5: Multivariable-adjusted associations between area deprivation and sedentary time in children, on week and weekend days

Index of Multiple Deprivation Quintiles	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Weekdays			
Accelerometry Sedentary Time (mins) (N=582)			
Q1 (least deprived) (reference)			
Q2	9.99 (-6.6, 26.59)	8.71 (-7.45, 24.88)	0.97 (-13.36, 15.31)
Q3	7.44 (-8.28, 23.16)	3.34 (-12.48, 19.16)	2.09 (-11.45, 15.64)
Q4	21.67 (5.75, 37.58)	17.25 (1.15, 33.34)	8.54 (-5.66, 22.74)
Q5 (most deprived)	28.25 (14.2, 42.3)	22.01 (7.57, 36.44)	9.62 (-3.55, 22.8)
Trend p	*0.000*	*0.007*	*0.127*
TV Time (mins) (N=3818)			
Q1 (least deprived) (reference)			
Q2	-5.37 (-15.88, 5.13)	-4.3 (-14.77, 6.15)	-4.55 (-14.9, 5.79)
Q3	-7.26 (-17.51, 2.99)	-2.04 (-12.38, 8.3)	-2.54 (-12.86, 7.77)
Q4	-5.64 (-15.71, 4.42)	2.74 (-7.84, 13.34)	2.17 (-8.34, 12.69)
Q5 (most deprived)	-5.82 (-15.8, 4.16)	2.98 (-7.76, 13.74)	3.23 (-7.43, 13.91)
Trend p	*0.285*	*0.300*	*0.289*
Non-TV Sitting Time (mins) (N=3816)			
Q1 (least deprived) (reference)			
Q2	-4.82 (-14.19, 4.54)	-6.92 (-16.48, 2.63)	-7.03 (-16.56, 2.5)
Q3	-0.65 (-10.03, 8.73)	-3.28 (-12.75, 6.18)	-3.67 (-13.1, 5.76)
Q4	7.84 (-1.65, 17.34)	4.99 (-4.9, 14.9)	4.5 (-5.33, 14.34)
Q5 (most deprived)	4.34 (-4.98, 13.67)	1.69 (-8.08, 11.47)	2.14 (-7.66, 11.95)
Trend p	*0.048*	*0.319*	*0.294*
Weekend days			
Accelerometry Sedentary Time (mins) (N=455)			
Q1 (least deprived) (reference)			
Q2	-6.71 (-26.31, 12.89)	-8.83 (-28.08, 10.4)	0.11 (-15.54, 15.77)
Q3	-7.22 (-28.89, 14.45)	-10.41 (-32.29, 11.45)	-1.5 (-19.25, 16.24)
Q4	0.25 (-21.46, 21.98)	-2.86 (-23.85, 18.12)	8.88 (-8.8, 26.57)
Q5 (most deprived)	-2.36 (-24.01, 19.27)	-12.31 (-35.24, 10.61)	-4.68 (-23.98, 14.62)
Trend p	*0.470*	*0.495*	*0.820*
TV Time (mins) (N=3874)			
Q1 (least deprived) (reference)			
Q2	4.19 (-10.08, 18.48)	3.95 (-10.22, 18.14)	5.33 (-8.44, 19.11)
Q3	-2.9 (-15.58, 9.77)	0.64 (-12.39, 13.69)	2.58 (-10.39, 15.55)
Q4	-1.9 (-14.6, 10.8)	4.57 (-9.01, 18.16)	5.98 (-7.43, 19.4)
Q5 (most deprived)	2.89 (-10.21, 16)	10.28 (-3.66, 24.22)	9.91 (-3.91, 23.74)
Trend p	*0.994*	*0.175*	*0.190*
Non-TV Sitting Time (mins) (N=3841)			

Q1 (least deprived) (reference)			
Q2	-9.16 (-20.31, 1.98)	-11.14 (-22.28, 0)	-10.51 (-21.68, 0.65)
Q3	2.43 (-9.51, 14.39)	-1.17 (-13.02, 10.67)	-0.35 (-12.21, 11.5)
Q4	14.67 (1.93, 27.4)	8.04 (-4.85, 20.94)	8.55 (-4.28, 21.38)
Q5 (most deprived)	12.56 (1.35, 23.76)	5.15 (-6.43, 16.73)	4.99 (-6.6, 16.59)
Trend p	*0.000*	*0.065*	*0.071*

[a] Model 1: adjusted for age and sex; model 2: further adjustments for BMI, limiting londstanding illness, household income, and social class; model 3: further adjustments for time spent in active transportation to and from school (weekday models only), time spent in sporting or informal activities (on week or weekend days), and MVPA time (accelerometer models only, on week or weekend days). Models with accelerometry sedentary time as the outcome were also adjusted for average accelerometer wear time on valid days (week and weekend days).

[b] Generalised linear model coefficients; coefficients indicate mean differences (in daily sedentary time) between the reference category (quintile 1) and each of the other deprivation quintiles, e.g. a value of 5 indicates that a specific category had an average daily sedentary time that is 5 minutes higher than the referent group.

Appendix Table 6: Multivariable-adjusted associations between equivalised household income and sedentary time in children, on week and weekend days

Weekdays			
Household Income Quintiles	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=582)			
<£10671 (reference)			
£10671-£17788	-11.91 (-28.04, 4.21)	-12.8 (-28.93, 3.31)	-9.16 (-22.37, 4.05)
£17789-£27316	3.1 (-11.24, 17.45)	-1.15 (-16.19, 13.88)	-5.89 (-19.61, 7.82)
£27317-£44199	14.39 (-1.13, 29.92)	3.97 (-13.55, 21.51)	2.78 (-12.2, 17.76)
>£44199	13.86 (-3.82, 31.54)	-4.2 (-22.85, 14.44)	-3.45 (-18.94, 12.03)
Trend p	*0.002*	*0.813*	*0.926*
TV Time (mins) (N=3818)			
<£10671 (reference)			
£10671-£17788	-11.39 (-21.85, -0.92)	-9.16 (-19.64, 1.31)	-9.2 (-19.62, 1.21)
£17789-£27316	-13.73 (-23.97, -3.49)	-9.49 (-20.49, 1.51)	-10.33 (-21.26, 0.6)
£27317-£44199	-13.88 (-24.23, -3.53)	-5.99 (-17.92, 5.93)	-7.26 (-19.11, 4.57)
>£44199	-21.27 (-31.58, -10.96)	-12.27 (-24.57, 0.01)	-14.24 (-26.65, -1.84)
Trend p	*0.000*	*0.118*	*0.054*
Non-TV Sitting Time (mins) (N=3816)			
<£10671 (reference)			
£10671-£17788	5.9 (-3.19, 14.99)	6.43 (-2.57, 15.43)	6.11 (-2.82, 15.05)
£17789-£27316	11.61 (2.06, 21.16)	11.03 (0.8, 21.25)	9.54 (-0.62, 19.71)
£27317-£44199	7.57 (-1.46, 16.62)	5.71 (-4.21, 15.64)	3.69 (-6.17, 13.57)
>£44199	8.96 (-0.62, 18.55)	7.28 (-3.69, 18.26)	4.28 (-6.77, 15.35)
Trend p	*0.075*	*0.696*	*0.861*

Weekend days			
Household Income Quintiles	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=455)			
<£10671 (reference)			
£10671-£17788	-28.36 (-52.39, -4.34)	-24.61 (-48.4, -0.81)	-16.44 (-34.74, 1.86)
£17789-£27316	-16.18 (-40.16, 7.78)	-6.72 (-31.81, 18.37)	-9.51 (-30.49, 11.46)
£27317-£44199	6.1 (-16.24, 28.46)	16.04 (-9.15, 41.24)	15.5 (-5.41, 36.43)
>£44199	0.11 (-24.71, 24.95)	10.83 (-16.65, 38.31)	5.14 (-18.26, 28.56)
Trend p	*0.087*	*0.107*	*0.181*
TV Time (mins) (N=3874)			
<£10671 (reference)			
£10671-£17788	-7.33 (-20.73, 6.05)	-6.25 (-19.79, 7.27)	-5.73 (-18.81, 7.35)
£17789-£27316	-8.93 (-22.1, 4.23)	-7.47 (-21.69, 6.74)	-9.57 (-23.52, 4.38)
£27317-£44199	-5.14 (-18.03, 7.74)	0.51 (-14.07, 15.09)	-1.84 (-16.11, 12.41)
>£44199	-23.1 (-36.02, -10.19)	-15.75 (-31.15, -0.35)	-17.86 (-33.13, -2.59)
Trend p	*0.017*	*0.114*	*0.039*
Non-TV Sitting Time (mins) (N=3841)			
<£10671 (reference)			
£10671-£17788	12.69 (1.45, 23.92)	13.33 (2.06, 24.61)	13.53 (2.28, 24.79)
£17789-£27316	9.18 (-2.63, 21.01)	9.97 (-2.31, 22.26)	9.19 (-3.12, 21.51)
£27317-£44199	27.25 (14.61, 39.89)	26.42 (13.05, 39.79)	25.53 (12.13, 38.93)

>£44199	26.28 (13.84, 38.72)	26.12 (11.9, 40.34)	25.25 (10.88, 39.62)
Trend p	*0.000*	*0.001*	*0.001*

[a] Model 1: adjusted for age and sex; model 2: further adjustments for BMI, limiting londstanding illness, social class, and area deprivation ; model 3: further adjustments for time spent in active transportation to and from school (weekday models only), time spent in sporting or informal activities (on week or weekend days), and MVPA time (on week or weekend days). Models with accelerometry sedentary time as the outcome were also adjusted for average accelerometer wear time on valid days (week and weekend days).

[b] Generalised linear model coefficients; coefficients indicate mean differences (in daily sedentary time) between the reference category (>£39,000) and each of the other household income quartiles, e.g. a value of 5 indicates that a specific category had an average daily sedentary time that is 5 minutes higher than the referent group.

Appendix Table 7: Multivariable-adjusted associations between social class and sedentary time in children, on week and weekend days

	Weekdays		
	Model 1[a]	Model 2[a]	Model 3[a]
Social Class of Head of Household	Coefficient[b] (95% CI)	Coefficient[b] (95% CI)	Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=582)			
Unskilled and semi-skilled manual (reference)			
Skilled manual	-10.53 (-25.13, 4.07)	-11.56 (-26.68, 3.55)	-8.72 (-21.01, 3.56)
Skilled non-manual	11.18 (-7.24, 29.61)	8.01 (-10.77, 26.8)	2.77 (-11.69, 17.23)
Managerial technical and professional	18.73 (6.38, 31.09)	9.85 (-3.52, 23.24)	3.64 (-8.46, 15.74)
Trend p	*0.000*	*0.009*	*0.082*
TV Time (mins) (N=3818)			
Unskilled and semi-skilled manual (reference)			
Skilled manual	-6.44 (-17, 4.11)	-5.3 (-16.17, 5.56)	-5.17 (-15.96, 5.62)
Skilled non-manual	-10.16 (-20.71, 0.37)	-9.04 (-19.7, 1.62)	-8.46 (-19.08, 2.15)
Managerial technical and professional	-18.2 (-26.65, -9.75)	-16.03 (-25.96, -6.1)	-16.26 (-26.12, -6.41)
Trend p	*0.000*	*0.001*	*0.001*
Non-TV Sitting Time (mins) (N=3816)			
Unskilled and semi-skilled manual (reference)			
Skilled manual	-1.73 (-10.57, 7.09)	-3.77 (-13.14, 5.6)	-3.38 (-12.72, 5.94)
Skilled non-manual	16.28 (6.09, 26.47)	15.18 (4.9, 25.46)	15.8 (5.58, 26.03)
Managerial technical and professional	7.72 (-0.18, 15.63)	3.35 (-5.9, 12.61)	3.09 (-6.05, 12.25)
Trend p	*0.009*	*0.072*	*0.085*
Weekend days			
	Model 1[a]	Model 2[a]	Model 3[a]
Social Class of Head of Household	Coefficient[b] (95% CI)	Coefficient[b] (95% CI)	Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=455)			
Unskilled and semi-skilled manual (reference)			
Skilled manual	-30.3 (-51.54, -9.06)	-29.28 (-49.84, -8.73)	-22.61 (-39.93, -5.29)
Skilled non-manual	-2.18 (-27.69, 23.32)	-3.94 (-29.03, 21.14)	-4.36 (-22.71, 13.97)
Managerial technical and professional	-3.33 (-21.27, 14.6)	-13.45 (-33.04, 6.13)	-11.17 (-27.61, 5.27)
Trend p	*0.275*	*0.778*	*0.795*
TV Time (mins) (N=3874)			
Unskilled and semi-skilled manual (reference)			

Skilled manual	4.06 (-9.51, 17.63)	3.2 (-10.54, 16.95)	2.43 (-11.05, 15.93)
Skilled non-manual	8.76 (-5.37, 22.9)	7.96 (-6.12, 22.05)	9.31 (-4.44, 23.07)
Managerial technical and professional	-10.76 (-21.9, 0.38)	-10.64 (-23.36, 2.07)	-11.62 (-24.2, 0.94)
Trend p	*0.016*	*0.084*	*0.065*
Non-TV Sitting Time (mins) (N=3841)			
Unskilled and semi-skilled manual (reference)			
Skilled manual	-6.24 (-18.19, 5.69)	-11.24 (-23.7, 1.21)	-11.62 (-24.09, 0.83)
Skilled non-manual	0.6 (-11.67, 12.89)	-3.13 (-15.7, 9.44)	-2.52 (-15.2, 10.16)
Managerial technical and professional	6.01 (-4.54, 16.57)	-10.21 (-22.3, 1.88)	-10.64 (-22.82, 1.53)
Trend p	*0.067*	*0.386*	*0.364*

[a] Model 1: adjusted for age and sex; model 2: further adjustments for BMI, limiting londstanding illness, household income, and area deprivation ; model 3: further adjustments for time spent in active transportation to and from school (weekday models only), time spent in sporting or informal activities (on week or weekend days), and MVPA time (accelerometer models only, on week or weekend days). Models with accelerometry sedentary time as the outcome were also adjusted for average accelerometer wear time on valid days (week and weekend days).

[b] Generalised linear model coefficients; coefficients indicate mean differences (in social class) between the reference category (non-manual) and manual, e.g. a value of 5 indicates that the manual category had an average daily sedentary time that is 5 minutes higher than the referent group.

Appendix Table 8: Multivariable-adjusted associations between area deprivation and sedentary time in children, on week and weekend days

Weekdays			
Index of Multiple Deprication Quintiles	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=582)			
Q1 (least deprived) (reference)			
Q2	9.99 (-6.6, 26.59)	8.71 (-7.45, 24.88)	0.97 (-13.36, 15.31)
Q3	7.44 (-8.28, 23.16)	3.34 (-12.48, 19.16)	2.09 (-11.45, 15.64)
Q4	21.67 (5.75, 37.58)	17.25 (1.15, 33.34)	8.54 (-5.66, 22.74)
Q5 (most deprived)	28.25 (14.2, 42.3)	22.01 (7.57, 36.44)	9.62 (-3.55, 22.8)
Trend p	*0.000*	*0.007*	*0.127*
TV Time (mins) (N=3818)			
Q1 (least deprived) (reference)			
Q2	-5.37 (-15.88, 5.13)	-4.3 (-14.77, 6.15)	-4.55 (-14.9, 5.79)
Q3	-7.26 (-17.51, 2.99)	-2.04 (-12.38, 8.3)	-2.54 (-12.86, 7.77)
Q4	-5.64 (-15.71, 4.42)	2.74 (-7.84, 13.34)	2.17 (-8.34, 12.69)
Q5 (most deprived)	-5.82 (-15.8, 4.16)	2.98 (-7.76, 13.74)	3.23 (-7.43, 13.91)
Trend p	*0.285*	*0.300*	*0.289*
Non-TV Sitting Time (mins) (N=3816)			
Q1 (least deprived) (reference)			
Q2	-4.82 (-14.19, 4.54)	-6.92 (-16.48, 2.63)	-7.03 (-16.56, 2.5)
Q3	-0.65 (-10.03, 8.73)	-3.28 (-12.75, 6.18)	-3.67 (-13.1, 5.76)
Q4	7.84 (-1.65, 17.34)	4.99 (-4.9, 14.9)	4.5 (-5.33, 14.34)
Q5 (most deprived)	4.34 (-4.98, 13.67)	1.69 (-8.08, 11.47)	2.14 (-7.66, 11.95)
Trend p	*0.048*	*0.319*	*0.294*

Weekend days			
Index of Multiple Deprication Quintiles	Model 1[a] Coefficient[b] (95% CI)	Model 2[a] Coefficient[b] (95% CI)	Model 3[a] Coefficient[b] (95% CI)
Accelerometry Sedentary Time (mins) (N=455)			
Q1 (least deprived) (reference)			
Q2	-6.71 (-26.31, 12.89)	-8.83 (-28.08, 10.4)	0.11 (-15.54, 15.77)
Q3	-7.22 (-28.89, 14.45)	-10.41 (-32.29, 11.45)	-1.5 (-19.25, 16.24)
Q4	0.25 (-21.46, 21.98)	-2.86 (-23.85, 18.12)	8.88 (-8.8, 26.57)
Q5 (most deprived)	-2.36 (-24.01, 19.27)	-12.31 (-35.24, 10.61)	-4.68 (-23.98, 14.62)
Trend p	*0.470*	*0.495*	*0.820*
TV Time (mins) (N=3874)			
Q1 (least deprived) (reference)			
Q2	4.19 (-10.08, 18.48)	3.95 (-10.22, 18.14)	5.33 (-8.44, 19.11)
Q3	-2.9 (-15.58, 9.77)	0.64 (-12.39, 13.69)	2.58 (-10.39, 15.55)
Q4	-1.9 (-14.6, 10.8)	4.57 (-9.01, 18.16)	5.98 (-7.43, 19.4)
Q5 (most deprived)	2.89 (-10.21, 16)	10.28 (-3.66, 24.22)	9.91 (-3.91, 23.74)
Trend p	*0.994*	*0.175*	*0.190*

Non-TV Sitting Time (mins) (N=3841)

	Model 1	Model 2	Model 3
Q1 (least deprived) (reference)			
Q2	-9.16 (-20.31, 1.98)	-11.14 (-22.28, 0)	-10.51 (-21.68, 0.65)
Q3	2.43 (-9.51, 14.39)	-1.17 (-13.02, 10.67)	-0.35 (-12.21, 11.5)
Q4	14.67 (1.93, 27.4)	8.04 (-4.85, 20.94)	8.55 (-4.28, 21.38)
Q5 (most deprived)	12.56 (1.35, 23.76)	5.15 (-6.43, 16.73)	4.99 (-6.6, 16.59)
Trend p	*0.000*	*0.065*	*0.071*

[a] Model 1: adjusted for age and sex; model 2: further adjustments for BMI, limiting londstanding illness, household income, and social class; model 3: further adjustments for time spent in active transportation to and from school (weekday models only), time spent in sporting or informal activities (on week or weekend days), and MVPA time (accelerometer models only, on week or weekend days). Models with accelerometry sedentary time as the outcome were also adjusted for average accelerometer wear time on valid days (week and weekend days).

[b] Generalised linear model coefficients; coefficients indicate mean differences (in daily sedentary time) between the reference category (quintile 1) and each of the other deprivation quintiles, e.g. a value of 5 indicates that a specific category had an average daily sedentary time that is 5 minutes higher than the referent group.