Table 1 Sede... a... beha i... ac... RBC-CAPL... d... i e (n=8307)

CAPL site	(boys/girls) n	BMI z-score	TV time (h /da)	C... time (h /da)	e/ ide... ga... e (h /da)	T... a c ee time (h /da)	Meeting screen time guideline (%)	N... - c ee ede... time (h /da)	T... a ede... time (h /da)
A...ig...i h, N...a Sc...ia	832 (403/429)	0.9 (1.3)	1.3 (1.2)	1.2 (1.2)		2.4 (2.1)	56.4	1.5 (1.3)	4.0 (2.8)
Ha...ifa, N...a Sc...ia	639 (313/326)	0.4 (1.2)	0.9 (0.9)	0.9 (1.0)		1.8 (1.7)	70.4	1.5 (1.2)	3.4 (2.3)
Cha...e..., Pi ce Ed...adl a d	442 (218/224)	0.6 (1.2)	1.1 (1.0)	1.0 (1.1)		2.0 (1.7)	61.5	1.7 (1.3)	3.7 (2.3)
T...j-Ri i e, Q...bec	42 (27/15)	-0.01 (1.2)	1.1 (0.9)	1.1 (1.2)		2.2 (1.5)	59.5	1.7 (1.3)	3.9 (1.9)
O a a, O ai...	516 (258/258)	0.7 (1.3)	1.4 (1.1)	1.2 (1.2)		2.6 (1.9)	49.8	1.6 (1.3)	4.2 (2.5)
N... h Ba, O ai...	1041 (489/552)	0.7 (1.2)	1.3 (1.1)	1.3 (1.3)		2.6 (2.1)	52.5	1.7 (1.3)	4.3 (2.7)
Wi d..., O ai...	1166 (612/554)	0.6 (1.3)	1.4 (1.2)	1.4 (1.3)		2.8 (2.0)	47.8	1.6 (1.3)	4.4 (2.5)
Wi i eg, Ma i...ba	1072 (525/547)	0.6 (1.3)	1.3 (1.2)	1.4 (1.2)		2.7 (2.0)	47.7	1.6 (1.2)	4.3 (2.6)
Le hb idge, A be a	907 (454/453)	0.4 (1.2)	1.2 (1.1)	1.1 (1.2)		2.3 (1.8)	56.1	1.7 (1.3)	4.0 (2.3)
Ca ga, A be a	1207 (605/602)	0.4 (1.3)	1.2 (1.0)	1.2 (1.1)		2.4 (1.8)	53.9	1.8 (1.3)	4.2 (2.3)
Vic...ia, B i i h C... bia	443 (239/204)	0.5 (1.2)	1.2 (1.0)	1.0 (1.0)		2.2 (1.7)	60.0	1.8 (1.3)	4.0 (2.2)
O e a	8307 (4143/4164)	0.7 (1.3)	1.2 (1.1)	1.2 (1.2)		2.4 (1.9)	54.3	1.3 (1.3)	4.1 (2.5)

Data are presented as mean (SD)
Meeting screen time guidelines was defined as accumulating ≤2 hours/day of recreational screen time
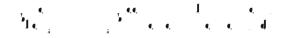BMI body mass index, CAPL Canadian Assessment of Physical Literacy

Saunders et al. BMC Public Health 2018, **18**(Suppl 2):1037

Page 51 of 180

Table 4 Pea c e a i c efficie f diffe   de f ede a beha i (n=8307)

	TV i e	C e / ide ga e i e	T a c ee i e	T a -c ee i e	T a ede a beha i
TV i e	1				
C e / ide ga e i e	0.40	1			
T a c ee i e	0.82	0.85	1		
T a -c ee i e	0.15	0.17	0.19	1	
T a ede a beha i	0.71	0.74	0.86	0.66	1

All p<0.05

Di c ion

Correlates in fully adjusted model

CA L

I   CA L

Table 5 Correlates of TV viewing (n=8307) (Continued)

Variable	A Participation Unstandardized β (95% CI)	Standardized β	p value	Boys (n=4143) Unstandardized β (95% CI)	Standardized β	p value	Girls (n=4164) Unstandardized β (95% CI)	Standardized β	p value
Individual CAPL correlates									
Age (year)	0.023 (-0.0001; 0.046)	0.024	0.051	0.0002 (-0.034; 0.034)	0.0002	0.989	0.043 (0.012; 0.073)	0.048	0.006
Gender (boys =1, girls =2)	-0.40 (-0.089; 0.010)	-0.018	0.118	-	-	-	-	-	-
CAPL ie	-0.00001 (-0.00003; 0.000004)	-0.016	0.126	-0.000002 (-0.00004; 0.00001)	-0.019	0.206	-0.00001 (-0.00003; 0.00001)	-0.013	0.397
Waist circumference (cm)	0.003 (-0.0002; 0.005)	0.024	0.065	0.001 (-0.003; 0.005)	0.006	0.763	0.005 (0.001; 0.009)	0.049	0.009
Movement child height difference (h/day)	0.006 (0.006; 0.007)	0.284	<0.001	0.006 (0.005; 0.007)	0.283	<0.001	0.007 (0.006; 0.008)	0.282	<0.001
Frequency of PA (days/week)	-0.031 (-0.043; -0.019)	-0.053	<0.001	-0.020 (-0.038; -0.002)	-0.034	0.028	-0.043 (-0.059; -0.026)	-0.076	<0.001
L a	-0.107 (-0.155; -0.058)	-0.054	<0.001	-0.090 (-0.162; -0.019)	-0.044	0.014	-0.124 (-0.190; -0.058)	-0.065	<0.001
Si a d each	-0.0002 (-0.003; 0.003)	-0.001	0.914	-0.004 (-0.009; 0.001)	-0.026	0.093	0.003 (-0.001; 0.007)	0.021	0.173
Gi eg h (g)	-0.001 (-0.004; 0.002)	-0.009	0.502	0.001 (-0.004; 0.006)	0.008	0.665	-0.004 (-0.008; 0.0004)	-0.035	0.072
CAMSA core (ed)	-0.003 (-0.010; 0.004)	-0.011	0.413	-0.007 (-0.018; 0.004)	-0.023	0.212	-0.00002 (-0.010; 0.010)	-0.0001	0.998
PACER (a core ed)	-0.004 (-0.006; -0.002)	-0.051	<0.001	-0.005 (-0.008; -0.002)	-0.071	<0.001	-0.002 (-0.005; 0.001)	-0.023	0.210

Minimally adjusted models adjusted for age and gender. Standardized β for age and gender in minimally adjusted models ranged from 0.024 to 0.081 and -0.074 to -0.035, respectively. Fully adjusted models included all variables significant (p<0.10) in minimally adjusted models (as well as age and gender in the model of CAPL domains). Separate fully adjusted models were run for CAPL domains and individual CAPL components. Bolded variables were significant: <0.10 in minimally adjusted models, and <0.05 in fully adjusted models. The fully adjusted models of CAPL domain scores and CAPL components accounted for 5% and 11%, respectively, of the total variance in TV viewing in the full sample.

BMI body mass index, CAMSA Canadian Agility and Movement Skill Assessment, CAPL Canadian Assessment of Physical Literacy, CI confidence interval, Ln: natural log transformation, PA physical activity, PACER Progressive Aerobic Cardiovascular Endurance Run

Table 6 C... e a e _f c_... e a d ide_ ga e e (n=8307)

Va iab e	A a ici a		B_ (=4143)		Gi s a (_ =4164) ed
	U a da di ed β (95% CI)	S a da di ed β	U a da di ed β (95% CI)	S a da di ed	S a da di ed
	S a da di ed β p a e				

Table 6 C... e a e ...f c... e a d ide... ga e e (n=8307) (Continued)

Va iab e	A a ici a			B... (=4143)			Gi (=4164)		
	U a d ed β (95% CI)	S a da di ed β	p a e	U a da di ed β (95% CI)	S a da di ed β	p a e	U a da di ed β (95% CI)	S a da di ed β	p a e
I di id a CAPL c... e									
Age (ea)	0.076 (0.053; 0.099)	0.075	<0.001	0.075 (0.039; 0.109)	0.069	<0.001	0.073 (0.043; 0.104)	0.081	<0.001
Ge de (b... =1, gi =2)	-0.366 (-0.416; 0.316)	-0.366	<0.001						

Saunders et al. BMC Public Health 2018, **18**(Suppl 2):1037

Page 56 of 180

Table 7 C... e a e ,f ,a c ee i e (n=8307)

Va iabe	A a ici a			B... (n=4143)			Gi... (n=4164)		
	U...a da di ed β (95% CI)	S a da di ed β	p a e	U...a da di ed β (95% CI)	S a da di ed β	p a e	U...a da di ed β (95% CI)	S a da di ed β	p a e
Mi i a adj ed ,de									
CAPL d... ai c...e									
Tr...a Ph ica Li ie ac	-0.048 (-0.052; -0.045)	-0.277	<0.001	-0.057 (-0.062; -0.052)	-0.320	<0.001	-0.038 (-0.043; -0.033)	-0.223	<0.001
K... edge a d U de a di g c...e	-0.078 (-0.093; -0.062)	-0.110	<0.001	-0.090 (-0.113; -0.067)	-0.125	<0.001	-0.063 (-0.084; -0.042)	-0.095	<0.001
M...i a i... a d C... fide ce c...e	-0.214 (-0.229; -0.200)	-0.300	<.0001	-0.250 (-0.271; -0.229)	-0.340	<.0001	-0.172 (-0.192; -0.152)	-0.254	<0.001
Ph ica C... e e ce c...e	-0.092 (-0.101; -0.082)	-0.204	<0.001	-0.107 (-0.121; -0.094)	-0.241	<0.001	-0.070 (-0.084; -0.057)	-0.158	<0.001
I di id a CAPL c... ... e									
Age (ea)	0.136 (0.101; 0.170)	0.083	<0.001	0.101 (0.048; 0.154)	0.058	<0.001	0.170 (0.126; 0.215)	0.115	<0.001
Ge de (b...=l, gi =2)	-0.569 (-0.651; -0.488)	-0.148	<0.001	-	-	-	-	-	-
CAPL ie	-0.0001 (-0.0001; -0.00002)	-0.033	0.002	-0.0001 (-0.0001; -0.00002)	-0.040	0.010	-0.00004 (-0.0001; 0.00001)	-0.026	0.095
Sea...	-0.001 (-0.039; 0.037)	-0.0005	0.966	-0.017 (-0.075; 0.041)	-0.009	0.564	0.014 (-0.035; 0.063)	0.009	0.580
BMI z- c...e	0.091 (0.059; 0.123)	0.060	<0.001	0.099 (0.053; 0.146)	0.065	<0.001	0.081 (0.038; 0.125)	0.056	<0.001
Wai ci fe e ce (c)	0.016 (0.012; 0.020)	0.089	<0.001	0.017 (0.011; 0.023)	0.092	<0.001	0.015 (0.010; 0.020)	0.089	<0.001
M... echide h... d e d i f... ...fa cee (h... /da)	0.017 (0.016; 0.017)	0.421	<0.001	0.017 (0.016; 018)	0.439	<0.001	0.017 (0.015; 0.018)	0.397	<0.001
Fe e c ...f PA (da / ee)	-0.167 (-0.188; -0.146)	-0.165	<0.001	-0.176 (-0.207; -0.144)	-0.168	<0.001	-0.157 (-0.185; -0.128)	-0.165	<0.001
L a	-0.578 (-0.651; -0.505)	-0.167	<0.001	-0.632 (-0.741; -0.523)	-0.175	<0.001	-0.518 (-0.614; -0.422)	-0.161	<0.001
Si a d each (c)	-0.018 (-0.023; -0.013)	-0.079	<0.001	-0.028 (-0.0037; -0.020)	-0.104	<0.001	-0.011 (-0.017; -0.004)	-0.050	0.001
Gi e gh (g)	-0.013 (-0.018; -0.008)	-0.063	<0.001	-0.022 (-0.030; -0.015)	-0.104	<0.001	-0.002 (-0.009; 0.004)	-0.012	0.479
CAMSA c...e	-0.081 (-0.092; -0.070)	-0.161	<0.001	-0.107 (-0.124; -0.090)	-0.201	<0.001	-0.054 (-0.069; -0.039)	-0.116	<0.001
PACER (a c... e ed)	-0.026 (-0.029; -0.023)	-0.194	<0.001	-0.029 (-0.033; -0.025)	-0.227	<0.001	-0.021 (-0.025; -0.016)	-0.138	<0.001
F adj ed ,de									
CAPL d... ai c...e									
K... edge a d U de a di g c...e	-0.028 (-0.043; -0.013)	-0.039	<0.001	-0.032 (-0.054; -0.010)	-0.044	0.005	-0.024 (-0.045; -0.003)	-0.036	0.025
M...i a i... a d C... fide ce c...e	-0.183 (-0.198; -0.167)	-0.255	<0.001	-0.210 (-0.233; -0.187)	-0.285	<0.001	-0.151 (-0.173; -0.130)	-0.223	<0.001
Ph ica C... e e ce c...e	-0.045 (-0.055; -0.035)	-0.100	<0.001	-0.054 (-0.068; -0.40)	-0.121	<0.001	-0.031 (-0.045; -0.017)	-0.071	<0.001

Table 7 C_ eae _f_ _a_ c ee i e (n=8307)

Table 8 C... e a e ... f ... - c ee ede a beha i... (n=8307)

Va iabe	A a ici a			B... (=4143)			Gi (=4164)		
	U a da di ed β (95% CI)	S a da di ed β	p a e	U a da di ed β (95% CI)	S a da di ed β	p a e	U a da di ed β (95% CI)	S a da di ed β	p a e
Mi i a adj ed ...de									
CAPL d... ai c... e									
T... a Physica Li e ac	-0.004 (-0.007; -0.002)	-0.038	0.001	-0.007 (-0.010; -0.003)	-0.060	<0.001	-0.002 (-0.005; 0.002)	-0.013	0.406
K... edge a d U de a di g c... e	0.035 (0.024; 0.045)	0.074	<0.001	0.023 (0.008; 0.038)	0.050	0.002	0.049 (0.034; 0.064)	0.101	<0.001
M...i a i... a d C... fide ce c... e	-0.037 (-0.047; -0.027)	-0.078	<0.001	-0.038 (-0.052; -0.024)	-0.082	<0.001	-0.035 (-0.050; -0.021)	-0.072	<0.001
Physica C... e e ce c... e	-0.015 (-0.021; -0.008)	-0.050	<0.001	-0.020 (-0.029; -0.011)	-0.071	<0.001	-0.008 (-0.018; 0.002)	-0.026	0.100
I di id a CAPL c... ... e									
Age (ea)	0.131 (0.108; 0.154)	0.120	<0.001	0.096 (0.063; 0.129)	0.088	<0.001	0.166 (0.133; 0.198)	0.153	<0.001
Ge de (b...=1, gi =2)	0.103 (0.049; 0.158)	0.040	<0.001	-	-	-	-	-	-
CAPL i e	0.00001 (-0.00001; 0.00003)	0.007	0.512	0.00002 (-0.00002; 0.00005)	0.15	0.320	-0.000002 (-0.00003; 0.00003)	-0.002	0.906
Sea ...	-0.027 (-0.053; -0.002)	-0.023	0.036	-0.026 (-0.062; 0.011)	-0.022	0.165	-0.030 (-0.065; 0.006)	-0.025	0.099
BMI z- c... e	0.011 (-0.010; 0.033)	0.011	0.297	0.026 (-0.003; 0.055)	0.027	0.082	-0.005 (-0.037; 0.027)	-0.005	0.759
Wai ci c fe e ce (c)	0.003 (0.0002; 0.006)	0.025	0.030	0.004 (0.004; 0.008)	0.035	0.032	0.002 (-0.002; 0.006)	0.015	0.332
M... i echi de h... d e d i f ...f a c ee (h... /da)	0.003 (0.002; 0.004)	0.114	<0.001	0.002 (0.002; 0.003)	0.105	<0.001	0.004 (0.003; 0.005)	0.126	<0.001
Fe e c ...f PA (da / ee)	0.024 (0.001; 0.010)	0.036	0.001	0.024 (0.004; 0.043)	0.036	0.020	0.026 (0.013; 0.005)	0.038	0.013
L a	-0.040 (-0.089; 0.010)	-0.017	0.117	-0.056 (-0.125; 0.013)	-0.025	0.114	-0.019 (-0.090; 0.051)	-0.008	0.594

Si a d each (c)

(0.0519992 0 T0.114)-4 24;

C...e a e ...f ...a ede a beha i... (n=8307)

Va iab e	A...a ici a			B... (=4143)			Gi (=4164)		
	U...a da di ed β (95% CI)	S a da di ed β	p a e	U...a da di ed β (95% CI)	S a da di ed β	p a e	U...a da di ed β (95% CI)	S a da di ed β	p a e
Mi...i a adj...ed ...de									
CAPL d...ai c...e									
T...a Ph...ica Li e ac	-0.053 (-0.058; -0.048)	-0.232	<0.001	-0.064 (-0.071; -0.057)	-0.281	<0.001	-0.039 (-0.046; -0.032)	-0.170	<0.001
K... edge a d U de a di g c...e	-0.043 (-0.063; -0.022)	-0.047	<0.001	-0.067 (-0.097; -0.038)	-0.073	<0.001	-0.014 (-0.042; 0.015)	-0.015	0.339
M...i a i... a d C... fide ce c...e	-0.251 (-0.271; -0.232)	-0.270	<0.001	-0.288 (-0.315; -0.261)	-0.307	<0.001	-0.208 (-0.235; -0.181)	-0.225	<0.001
Ph ica C... e e ce c...e	-0.106 (-0.119; 0.145)	-0.182	<0.001	-0.127 (-0.144; -0.110)	-0.225	<0.001	-0.078 (-0.097; -0.060)	-0.130	<0.001
I di id a CAPL c...e									
Age (ea)	0.267 (0.222; 0.312)	0.125	<0.001	0.197 (0.130; 0.264)	0.089	<0.001	0.336 (0.276; 0.397)	0.166	<0.001
Ge de (b...=1, gi =2)	-0.466 (-0.573; -0.360)	-0.093	<0.001	-	-	-	-	-	-
CAPL i e	-0.00004 (-0.0001; -0.000001)	-0.022	0.047	-0.0001 (-0.0001; 0.00001)	-0.024	0.125	-0.00004 (-0.0001; 0.00002)	-0.020	0.195
Sea...	-0.028 (-0.078; 0.022)	-0.012	0.267	-0.043 (-0.117; 0.031)	-0.018	0.254	-0.016 (-0.082; 0.050)	-0.007	0.635
BMI z-c...e	0.102 (0.060; 0.144)	0.052	<0.001	0.125 (0.066; 0.185)	0.064	<0.001	0.076 (0.018; 0.135)	0.039	0.011
Wai ci fe e ce (c)	0.019 (0.014; 0.024)	0.081	<0.001	0.021 (0.014; 0.029)	0.090	<0.001	0.017 (0.010; 0.024)	0.073	<0.001
M... iechide h... d edif... ...fa cee (h.../da)	0.020 (0.019; 0.021)	0.382	<0.001	0.019 (0.018; 0.020)	0.397	<0.001	0.021 (0.019; 0.022)	0.359	<0.001
Fe e c ...fPA (da / ee)	...-0.115	...01	...<0.001	-0.115	0.152	<0.001	-0.130 (-0.169...17.3471	0.356	<0.001

Table 9 Correlates of ... of ... and ... behaviour (n=8307) (Continued)

Variable	A total a Unstandardized β (95% CI)	Standardized β	p value	B (=4143) Unstandardized β (95% CI)	Standardized β	p value	Girls (=4164) Unstandardized β (95% CI)	Standardized β	p value
Individual CAPL components									
Age (year)	0.236 (0.186; 0.286)	0.111	<0.001	0.187 (0.114; 0.260)	0.085	<0.001	0.276 (0.209; 0.343)	0.137	<0.001
Gender (boys=1, girls=2)	-0.290 (0.397; -0.182)	-0.058	<0.001	-	-	-	-	-	-
CAPL tier	-0.00001 (-0.0001; 0.00003)	-0.006	0.521	0.000001 (-0.0001; 0.0001)	-0.0004	0.975	-0.00002 (-0.0001; 0.00003)	-0.013	<0.365
Waist circumference (cm)	0.007 (0.01; 0.013)	0.030	0.019	0.006 (-0.003; 0.014)	0.023	0.196	0.009 (0.001; 0.017)	0.041	0.024
Motivation and confidence (high /day)	0.018 (0.017; 0.019)	0.359	<0.001	0.017 (0.016; 0.016)	0.363	<0.001	0.020 (0.018; 0.021)	0.0347	<0.001
Frequency of PA (day/week)	-0.062 (-0.089; -0.036)	-0.047	<0.001	-0.044 (-0.082; 0.006)	-0.033	0.022	-0.081 (-0.117; -0.044)	-0.062	<0.001
L a	-0.154 (-0.260; -0.049)	-0.034	0.004	-0.055 (-0.209; 0.098)	-0.012	0.480	-0.246 (-0.392; -0.100)	-0.056	0.001
Sit and reach	-0.0001 (-0.007; 0.006)	-0.0004	0.973	-0.009 (-0.019; 0.001)	-0.025	0.088	0.005 (-0.003; 0.014)	0.019	0.204
Grip strength (g)	-0.004 (-0.011; 0.003)	-0.015	0.258	-0.005 (-0.015; 0.005)	-0.019	0.304	-0.004 (-0.014; 0.005)	-0.016	0.401
CAMSA score	-0.031 (-0.047; -0.015)	-0.048	<0.001	-0.050 (-0.074; -0.027)	-0.074	<0.001	-0.016 (-0.038; 0.005)	-0.026	0.138
PACER (... ed)	-0.012 (-0.016; -0.017)	-0.066	<0.001	-0.014 (-0.020; -0.008)	-0.085	<0.001	-0.007 (-0.014; -0.000004)	-0.034	0.049

Strengths and limitations

Acknowledgements