Review Table. Methods for 273 accelerometer articles included in the review

	First author Year	Study name	Age range or Mean (SD)	N Final accelerometer sample	ActiGraph model	Epoch length (seconds)	Minutes of zeros to define non-wear	Valid Hours in a day (minimum)	Valid Days (+ weekends) (minimum)	MVPA cut point	Sedentary cut point	Reporting score [a]
1	Adams 2009		11-16	28	7164	---	30	10	*unclear*	FR-3 & FR-4	100	67
2	Aires 2007	ACORDA	8-16	41	*MTI*	60	---	16.67	4+2	PUY	PUY	67
3	Aires 2010		11-18	111	7164	60	10	10	4+1	EYHS	EYHS	100
4	Alhassan 2007		3-5	32	*Actigraph*	30	20	10	---	SIR	SIR	67
5	Alhassan 2008	GEMS	8-10	208	7164	60	20	---	*unclear*	PUY	100	67
6	Alwis 2007	POP	7-9	230	7164	10	10	8	4	FR-3		100
7	Alwis 2008	POP	7-9	137	7164	10	10	8	4	FR-3		100
8	Anderson 2005		grade 8	80	7164	60	20	10	4	FR-3 & PUY		100
9	Andersen 2006	EYHS	9,15	1732	7164	60	10	10	3	EYHS		100
10	Andersen 2007		13-15	81	7164	60	20	10	4	FR-3		100
11	Aznar 2006		4-7	14	*MTI*	60	---	10	7	FR-A	100	67
12	Baggett 2008	TAAG	grade 6&8	951	7164	30	---	----	6	TR-4.6	100	67
13	Baggett 2010	TAAG	grade 8	6916	7164	30	20[b]	70/80[b]	6[bc]	TR-4.6	100	100
14	Bagley 2006	CLAN	5-6,10-12	1180	7164	60	----	10	4	FR-3		83
15	Baker 2007		11,13	143	7164	30	20	10	4	FR-Y		100
16	Ball 2009	CLAN	5–6,10-12	900	7164	*60*	----	10	4	FR-3	FR-1.9	67
17	Baquet 2007		8-10	26	7164	2	10	----	7	FR-A		83
18	Basterfield 2008	GMS	6-7	130	7164	---	*unclear*	---	7	PUY		50
19	Bender 2005	PARADE	5-12	65	7164	60	---	---	4	---		50
20	Brito 2009	EYHS-D/E	9,15	2101	7164		---	---	---	counts		25
21	Brockman 2010		10-11	747	GT1M	10	---	8.33	3	PUY[d]		83
22	Byrd-Williams 2007	IMPACT	grade 4	169	*Actigraph*	60	20	6	2	PUY	PUY	83
23	Cardon 2007		4-5	76	7164	15	---	8.6	2+2	SIR	SIR	83
24	Cardon 2008		4-5	76	7164	15	---	8.6	2+2	SIR	SIR	83
25	Carver 2008	CLAN	8-9,13-15	534	7164	60	---	10/20	---	FR-3		67
26	Carver 2008	CLAN	8-9,13-15	534	7164	60	---	10/20	---	FR-3		67
27	Carver 2010	CLAN	8-9,13-15	446	7164	*60*	---	10/20	4+1	FR-3		67
28	Casazza 2009		7-12	202	GT1M	60	---	---	---	*unclear*	---	33
29	Casazza 2009		7-12	215	GT1M	60	---	---	---	--- (3 MET)	---	33
30	Catellier 2005	TAAG	grade 8	181	7164	30	20	---	7	TR-4.6	100	83
31	Cleland 2008	CLAN	5-6,10-12	908	7164	*60*	---	10/20	3+1	FR-3		67
32	Cliff 2009	PANDA	3-5	46	7164	60	20	6	3	SIR	REI	100
33	Cohen 2006	TAAG	grade 6	1556	7164	30	---	---	6[bc]	TR-3 & TR-4.6		67

34	Cooper 2005	EYHS	9	323	7164	60	---	10	2+2	TRS		67
35	Cooper 2006	EYHS	9,15	531	7164	60	10	10	3	TR-4.6		100
36	Cooper 2010	PEACH	11.3 (0.3)	137	GT1M	10	10	8	2	PUY		100
37	Cooper 2010	PEACH	11.0 (0.4)	1010	GT1M	10	60	<1day	1	counts		100
38	Corder 2010	SPEEDY	9-10	1868	GT1M	5	10	8.3	3	EYHS		100
39	Davison 2009		13, 15	236	7164	30	20	10	4	FR-Y		100
40	Davison 2010		13, 15	236	7164	30	20	10	4	FR-Y		100
41	Davison 2010		13, 15	236	7164	30	20	10	4	FR-Y		100
42	De Vries 2009	SPACES	6-11	51	7164	60	10	8.33	4	FR-3		100
43	Deforche 2009		6-10	97	7164	60	60	10	2+1	EYHS	EYHS	100
44	Dencker 2006	Bunkeflo	7-11	229	7164	10	10	8	3	FR-3		100
45	Dencker 2006	Bunkeflo	8-11	227	7164	10	10[b]	8	3	FR-3		100
46	Dencker 2006	Bunkeflo	8-11	228	7164	10	10[b]	8	3	FR-3		100
47	Dencker 2007	Bunkeflo	7-11	229	7164	10	10[b]	8	3	FR-3		100
48	Dencker 2008	Bunkeflo	7-11	225	7164	10	10[b]	8	3	FR-3		100
49	Dencker 2008	Bunkeflo	8-11	158	7164	10	10[b]	8	3	FR-3		100
50	Dencker 2009	Bunkeflo	8-11	228	7164	10	10[b]	8	3	FR-3		100
51	Dencker 2010	CoSCIS	5-8	468	7164	10	10	8	3	MAT	MAT	100
52	Dishman 2010	TAAG	grade 6&8	1759	7164	30	20[b]	70/80[b]	6[bc]	TR-4.6	100	100
53	Dowda 2007	TAAG	grade 6	1525	7164	30	---	---	6[c]	TR-4.6	100	67
54	Dowda 2009	CHAMPS	3-5	299	7164	15	60	5	---	PTE	PTE	83
55	Dzewaltowski 2010	HOP'N	9	273&246	GT1M	30	---	---	---	FR-4	100	50
56	Eiberg 2005	CoSCIS	6-7	592	7164	10	10	8	3	EYHS		100
57	Eijkemans 2008	KOALA	4-5	305	*Actigraph*	15	---	6.7	3+1	SIR	SIR	67
58	Eisenman 2010		7.3 (2.0)	144	7164	60	---	8	3+1	WLK1		83
59	Ekelund 2006	SWEDES	17	49	6471	60	---	10	5	EYHS	EYHS	67
60	Ekelund 2006	EYHS	9-10,15-16	1921	7164	60	---	10	3	counts		80
61	Ekelund 2007		17.5&21.7(1.7)	28	*Actigraph*	60	---	10	10 & 6	FR-A	100	67
62	Epstein 2005		12-16	15	7164	*60*	---	---	3	---		33
63	Epstein 2005		8-16	58	7164	60	---	---	3	*3 METs*		50
64	Esliger 2010		8-13	413	7164	60	---	10	4+1	FR-4	MAT	83
65	Evenson 2007	TAAG	grade 6	1554	7164	30	20	70/80	6[c]	TR-4.6	100	100
66	Evenson 2010	TAAG	grade 6&8	847	7164	30	20	70/80	1	TR-4.6	100	100
67	Fairclough 2007		7-11	58	GT1M	5	20	70/80	4	FR-A		100
68	Fairclough 2010		10-11	175	GT1M	5	20	70/80	2+1	EYHS	EYHS	100
69	Fisher 2005	MAGIC	4.2 (0.5)	394	7164	*60*	---	9	3	PUY	REI	67
70	Gaya 2009		11-17	163	GT1M	60	---	8	4	EYHS	EYHS	83

71	Gidlow 2008	CHAMPS	3-16	503	GT1M	60	---	10/8	---	FR-3 & PUY		67
72	Goran 2005		8-11	122	7164	60	20	6	3	FR-A		100
73	Griew 2010	PEACH	10-11	1162	GT1M	10	10		2	counts		100
74	Guinhouya 2007		8-11	103	7164	60	---	10	---	PUY	REI	67
75	Guinhouya 2009		8-11	93	7164	*60*	20	11.2	2	PUY	PUY	83
76	Gutin 2005		14-18	304	7164	60	---	---	5	--- (3 METs)		50
77	Gutin 2005		16.2 (1.2)	421	7164	60	---	---	5	--- (3 METs)		50
78	Gwynn 2010		10-12	86	7164	60	20	70/40%	3	FR-3		100
79	Haerens 2006		grade 7-8	236	7164	60	---	---	---	PUY	PUY	50
80	Haerens 2007		11-13	185	7164	60	---	---	---	FR-A		50
81	Haerens 2007		11-15	183	7164	*60*	---	16	---	PUY	PUY	50
82	Hager 2006		9-12	80	7164	60	---	---	---	counts		40
83	Hagler 2006		10-16	878	*MTI*	*60*	---	---	---	TRS	100	17
84	Hagströmer 2008	HELENA	12-17	436	GT1M	15	10	10	3+1	TRS		100
85	Hannon 2008		3-5	64	GT1M	15	---	---	5 & 5	SIR	SIR	67
86	Hansen 2005	CoSCIS	6-7	572	7164	10	10	8	3	counts		100
87	Hasselstrøm 2007	CoSCIS	6-8	562	7164	10	10	8	3	vigorous		100
88	Hasselstrøm 2008	CoSCIS	6-8	379	7164	10	10	8	3	counts		100
89	Heath 2010		6-18	19	GT1M	*60*	---	---	---	---		16
90	Heelan 2009	WSB	grade K-5	282	7164	15	20[b]	3/20	2	WLK2		100
91	Heilman 2009		4-18	60	*actigraph*		---	---	---	counts		25
92	Hennessy 2010	SvChdrn	9.1 (1.5)	76	7164	30	60[g]	70/80	4+1	FR-Y		100
93	Hesketh 2006	CLN/HPSA	6,11	2458	7164	60	---	10/20	4	FR-3	FR-1.9	83
94	Holmes 2008		8-18	37	*MTI*	60	---	---	---	FR-3		33
95	Hopkins 2009	SprtsLinx	9-10	122	GT1M	5	20	9	3	IND		100
96	Houwen 2009		6-12	96	GT1M	60	other	10	3+1	PUY	PUY	100
97	Hughes 2006	SCOTT	5-11	116	7164	60	---	6	3	PUY	REI	83
98	Hume 2005		10	127	7164	60	---	<10,000	3	FR-3	FR-1.5	83
99	Hume 2007		10	280	7164	60	---	10/20	3	counts		80
100	Hume 2008	Sw-Play	9-12	248	7164	60	---	10/10/20	2+1	FR-3		83
101	Hurtig-Wennlöf 2007	EYHS-S/E	9-10,15-16	1125	7164	*60.*	---	10	2+1	FR-3	100	67
102	Jago 2005		grade 8	81	*MTI*	60	20	70%	4	PUY	PUY	83
103	Jago 2005		10-14	210	*MTI*	60	20	13.3	2	PUY	PUY	83
104	Jago 2006		10-14	210	*MTI*	60	---	13.3	2	PUY	PUY	67
105	Jago 2006	Fit for Life	10-14	473	*MTI*	60	20	13.3	1	PUY	PUY	83
106	Jago 2007		10-14	447	*MTI*	60	20	13.3	2	PUY	PUY	83
107	Jago 2008	EYHS-D	grade 3 & 9	384	7164	60	10	10	3	TR-4.6	100	100

108	Jago 2010	ALSPAC	11	5134	7164	*60*	10[b]	10	3	MAT		83
109	Jago 2010	BR3Ps	10-11	761	GT1M	10	60	8.33	3	PUY[d]	PUY[d]	100
110	Janz 2005	IBD	5 & 8	378	7164	60	---	8	3	FR-3	FR-1.4	83
111	Janz 2006	IBD	5 & 8	370	7164	60	---	8	3	TR-4.6		83
112	Janz 2007	IBD	5 & 8 & 11	468	7164	60	---	8	3	TR-4.6		83
113	Janz 2008	IBD	11	449	7164	60	---	8	3	WLK1		83
114	Janz 2008	Iowa Flride	13	49	7164	60	---	8	3	FR-3		83
115	Janz 2009	IBD	5 & 8 & 11	333	7164	60	---	8	3	TR-4.6		83
116	Janz 2010	IBD	5 & 8 & 11	333	7164	60	---	8	3	TR-4.6	100	83
117	Johnson 2008	TAAG	grade 6	1397	*MTI*	30	20[b]	70/80[b]	6[bc]	TR-4.6	100	83
118	Kelly 2005		4-5	41	7164	60	---	6	7	PUY	REI	83
119	Kelly 2006	MAGIC	4, 5-6	339,78	*accelerometer*	60	---	6	6,7	PUY	REI	83
120	Kelly 2007	SPARKLE	3-6	42	*Actigraph*	60	other	6	3 & 5	PUY	REI	83
121	Kelly 2010	TAAG	grade 6	1180	*MTI*	30	20[b]	70/80[b]	6[bc]	TR-4.6	100	83
122	Kligerman 2007		14-17	98	*Actigraph*	*60*	---	---	4	TRS		33
123	Kolle 2009		9&15	1824	7164	10	10	8	2	EYHS		100
124	Kriemler 2008	KISS	6-13	269	7164	60	15	12/10	3+1	TR-4.6		100
125	Kriemler 2010	KISS	grade 1,5	502	7164	60	15	12	2	EYHS		100
126	Krishnaveni 2009		6-7	103	7164	60	---	8.33	2	KRI	KRI	83
127	Kristensen 2008	EYHS-D	8-10&14-16	1330	*MTI*		10	10	3	counts		75
128	Kristensen 2008	EYHS-D	8-10&14-16	208	*MTI*		10	10	3	counts		75
129	Lanctot 2008	GEMS	8-10	284	7164	60	---	---	---	TR-4.6	100	50
130	Leary 2008	ALSPAC	11-12	5505	7164	*60*	10[b]	10	3	MAT		83
131	Lohman 2006	TAAG	grade 6	1553	7164	30	20[b]	---	6[bc]	TR-4.6	100	83
132	Lohman 2008	TAAG	grade 8	1019	7164	30	20[b]	---	6[bc]	TR-4.6	100	83
133	Lopes 2007		6-18	503	7164	60	10	---	---	FR-3		67
134	Loprinzi 2010		2-5	156	7164	15	10	<1day	2	SIR	SIR	100
135	Maddison 2010		12-17	79	7164	*60*	20	10	2+1	FR-3		83
136	Maggio 2010		4-17	85	6471	*60*	20	10	3+1	EYHS	EYHS	83
137	Magnússon 2008		9	177	7164	60	---	10	2+1	counts		80
138	Maloney 2008	DANCER	7-8	59 & 51	*MTI*	---	20[b]	80%[c]	6[c]	TR-3	100	67
139	Mark 2008	NHANES	8-17	1170	7124	60	20	10	3+1	TR-4.6	100	100
140	Mark 2009	NHANES	8-17	2498	7124	60	20	10	3+1	TR-4.6	100	100
141	Martínez-Gómez 2009	AFINOS	13-17	202	GT1M	15 [(r)]	10[b]	10[b]	3+1[b]	FR-Y		100
142	Martínez-Gómez 2009	AFINOS	13-16	214	GTIM	15	10	10	3+1	FR-Y	100	100
143	Martínez-Gómez 2009		3-8	111	7164	30	20	3/20	2+1		100	100
144	Martínez-Gómez 2010	AFINOS	13-17	201	GT1M	15	10	10	3+1		100	100

145	Martínez-Gómez 2010	HELENA	12-17	2094	GT1M	15	20	8	3	EYHS		100
146	Martínez-Gómez 2010		12-16	37	GT1M	60	10	10	3	EYHS	EYHS	100
147	Mattocks 2007	ALSPAC	11-12	244	7164	60	10	10	3	MAT	MAT	100
148	Mattocks 2008	ALSPAC	11-12	5451	7164	60	10	10/150/3sd	3	MAT	MAT	100
149	Mattocks 2008	ALSPAC	11	6086	7164	60	10	10/150/3sd	3	MAT	MAT	100
150	Mattocks 2010	ALSPAC	12	4735	7164	60[b]	10[b]	10[b]	3[b]	MAT		100
151	McCrindle 2007	Fontan	7-18	108	*Actigraph*	60	---	---	2+1	FR-3		50
152	McGall 2009		grade 3-4	60	GT1M	60	---	---	4	TR-4.6	100	67
153	McLure 2009		9-10	246	GT256	60	*manual*	3	2	FR-3 & PUY		83
154	McLure 2009		9-10	157	GT256	60	*manual*	3	2	FR-3		83
155	McMurray 2008	TAAG	11-14	691	*Actigraph*	30	20[b]	80%[c]	1	*unclear*		67
156	Metallinos-Katsaras 2007		2 -5	56	7164	60	---	---	---	FR-3		50
157	Metcalf 2008	EarlyBird	5,6,7 & 8	212	*Actigraph*	60	---	9	20[e]	MTC		67
158	Metcalf 2009	EarlyBird	5,6,7 & 8	307	*Actigraph*	60	17	9	5	MTC		83
159	Mhurchu 2008		12 (1.5)	20	7164	*60*	20	8	2+1	FR-3		83
160	Mitchell 2009	ALSPAC	11-12	5434	7164	60	---	10	3	MAT	MAT	83
161	Mitchell 2010		8-18	39	GT1M	15	30	10/60%	3	FR-3		100
162	Møller 2009	EYHS-D	8-10	381 & 416	7164 & *MTI*	60	10	10	3	FR-3[f]		100
163	Moreir 2008		9-16	34	7164	60	---	---	---	PUY	PUY	50
164	Morgan 2008	HIKCUPS	5-9	137	7164	60	20	10	4	FR-3		100
165	Mota 2005		8-10	22	7164	60	---	---	3	FR-3		67
166	Mota 2007	CV risk	8-15	62	7164	60	20	12	3	FR-3 & PUY		100
167	Mota 2008	CV risk	10-15	54	*MTI*	60	---	80%	3	FR-3		83
168	Murray 2006	TAAG	grade 6	1603	*Actigraph*	30	20	80%	1	TR-4.6	100	83
169	Nader 2008	NICHD	9,11,12&15	1032	CSA	60	*vis inspect*	*vis inspect*	4	FR-3		67
170	Ness 2007	ALSPAC	11-12	5595	7164	60	---	10	3	MAT		83
171	Niedere 2009		4-6	655	7164	15	---	---	---	PTE	PTE	50
172	Nilsson 2009	EYHS	9,15	1954	7164	60	10	10	2+1	EYHS	100	100
173	Nilsson 2009	EYHS	9,15	1327	7164	60	10	10	2+1	EYHS	100	100
174	Noel 2010	ALSPAC	13-14	2868	*Actigraph*	60	---	---	3	MAT		50
175	Ortega 2007	EYHS-S	9,15	1074	7164	60	---	10	2+1	FR-3		83
176	Ortega 2008	EYHS-S	14-16	472	7164	60	---	10	3	FR-3		83
177	Owen 2009	CHASE	9 -10	2071	GT1M	5	20	10	1	EYHS	100	100
178	Paez 2009	DANCER	7-8	60	CSA	60	20[b]	80%[c]	4+1	TR-3		100
179	Page 2005		9-11	133	7164	60	---	10/8	3+1	TRS		83
180	Page 2009	PEACH	10-11	863	GT1M	10	10	8	---	counts		80
181	Pan 2006		10-19	30	MTI 7164	60	---	8	3+1	FR-3		83

182	Pan 2008		7-12	48	GT1M	60		<1day		FR-3		100
183	Pan 2008		7-12	48	GT1M	60		<1day		FR-3		100
184	Pate 2006	TAAG	grade 6	1578	7164	30	20[b]	80%[b]	6[c]	TR-3,TR-3.8,TR-4.6	100	100
185	Pate 2009	TAAG	grade 6&8	2041	7164	30	20[b]	80%[b]	6[bc]	TR-4.6	100	100
186	Patnode 2010	IDEA	15.4 (1.7)	294	7164	*60*	30	8	4	FR-4		83
187	Patrick 2006	PACE+	11-15	330	7164	60	---	10	3	*3 METs*		67
188	Pearson 2009		12-16	176	GT1M	5	---	10/20	3	FR-3		83
189	Pfeiffer 2009	CHAMPS	3-5	331	7164	15	60	5	3	PTE	PUY	100
190	Philippaerts 2006		12-18	33	7164	60	---	---	7	FR-EE		67
191	Prista 2009	HBV	6-16, 6-18	256, 494	7164	60	10	---	1	FR-3		83
192	Purslow 2008	PEACHES	8-9	301	GT1M	60	10	10	2+1	EYHS	100	100
193	Purslow 2009		11	234	7164	60	10	10	2+1	counts		100
194	Quigg 2010	CALE	5-10	184	GT1M	60	---	5	*GPS-matched*	counts		60
195	Reilly 2006		4	285	7164	60	---	---	6	PUY	REI	67
196	Riddoch 2007	ALSPAC	11	5595	7164	60	---	10	3	MAT	EYHS	83
197	Riddoch 2009	ALSPAC	12&14	4614	7164	60	10	10	3	MAT	MAT	100
198	Ridgers 2009		9-12	98	7164	5	20	9	3	FR-Y	100	100
199	Ries 2009	BALTS	grade 9-12	316	*ActiGraph*	30	---	---	---	TR-3	100	33
200	Rizzo 2007	EYHS-S	9, 15	529	7164	60	---	10	3	FR-3		83
201	Rizzo 2008	EYHS–S/E	15-16	613	7164	60	---	10	3	FR-3	100	83
202	Rodrigues 2010		13-16	302	GT1M	60	---	10	5	FR-4	PUY	83
203	Roemmich 2006		4-7	59	CSA	60	---	---	---	counts		40
204	Ross 2009		4-18	116	CSA	60	---	---	---	---		33
205	Rowlands 2008		9-11	84	GT1M	2	60	10/8	3+1	TRS	ROW	100
206	Rowlands 2009		9-11	64	GT1M	2	60	10/ 8	3+1	TRS	ROW	100
207	Ruiz 2006	EYHS–S/E	9-10	780	7164	*60*	---	10	3	FR-3		67
208	Ruiz 2007	EYHS-S	9-10	144	7164	*60*	---	10	3	FR-3		67
209	Ruiz 2007	EYHS-S	9-10	301	7164	*60*	---	10	3	FR-3		67
210	Rushovich 2006	TAAG	grade 6	1422	*Actigraph*	30	---	<1day	1	TR-4.6		67
211	Saelens 2007		8	42	7164	60	30	<1day	4+1	PUY	PUY	100
212	Saksvig 2007	TAAG	grade 6	1596	7164	30	20[b]	70/80[b]	1 or 6	TR-3 &TR-4.6	100	100
213	Salmon 2005		10-12	881	7164		---	10/20	3+1	counts		75
214	Salmon 2006	CLAN	5-6,10-12	1331	7164	---	---	10/20	4	FR-3		67
215	Salmon 2010	CL/CL/HPS	5-6,10-12	1200	7164	60	---	10/20	3+1	FR-Y		67
216	Sanchez 2007		11-15	770	7164	60	---	---	3	FR-A		67
217	Sardinha 2008	EYHS	9-10	293	6471	60	---	10	3	EYHS	100	83
218	Sardinha 2008	EYHS	9-10	308	*MTI*	60	10	10	3	EYHS	EYHS	83

219	Sarnblad 2005		12-19	75	6471	60	30	10	5	FR-A	100	100
220	Schneider 2009		14-16	124	7164	60	30	8	2+2	FR-A		100
221	Scott 2007	TAAG	grade 6	1603	7164	30	20[b]	80%	6[c]	TR-4.6	100	100
222	Scott 2007	TAAG	grade 6	1367	7164	30	20[b]	80%	6[c]	TR-4.6	100	100
223	Sherar 2007		8-13	401	7164	60	---	---	7[c]	FR-3		67
224	Shoup 2008		8-12	177	7164	*60*	---	8	4	FR-4		67
225	Sirard 2005		9-10	214	7164	60	20	6	3+1	FR-3		100
226	Sirard 2008	COOL	16.7 (1.3)	65	GT1M	30	30	10	4	FR-3	100	100
227	Sirard 2009		grade 9-12	87	7164	60	20	10	4	FR-3		100
228	Sirard 2010	IDEA/ECHO	14.5 (1.8)	575	7164	30	30	10	4	FR-Y[h]	FR-Y[h]	100
229	Steele 2009	SPEEDY	9-10	1862	GT1M	5	10	8.33	3	EYHS	100	100
230	Steele 2010	SPEEDY	9-10	1568	GT1M	5	10	8.33	2+1	EYHS	100	100
231	Stevens 2007	TAAG	grade 6&8	5645	7164	30	20	80%	6[c]	TR-4.6	100	100
232	Stone 2009		8-10	47	GT1M	2	---	10	3+1	MAT	ROW	83
233	Stone 2009		8-10	47	GT1M	2	---	10	3+1	MAT	ROW	83
234	Taber 2009	TAAG	grade 6&8	3114	*MTI*	30	---	---	*matched*	TR-4.6	100	33
235	Thompson 2005	PACY	grade 3,7,11	1653	7164	60	---	---	5	FR-3		67
236	Thompson 2009	PACY	grade 3,7,11	1790	7164	60	---	4	4+1	FR-3	FR< 1	83
237	Thompson 2009	PACY	grade 3,7,11	1653	GT1M	*60*	---	---	---	---		17
238	Timperio 2008	CLAN	8- 9,13-15	497	7164	60	---	10/20	4+1	TRS		83
239	Tobias 2007	ALSPAC	11	4457	7164	60	---	10	3	MAT		83
240	Trayers 2006		8-12	52	7164	60	---	10	2+2, 5	Unclear & PUY		83
241	Tremblay 2005		8-13	399	7164	60	---	---	---	FR-3		50
242	Treuth 2007	TAAG	11-12	1603	7165	30	---	6	1	TR-4.6	100	83
243	Treuth 2009	TAAG	grade 6&8	984	7164	30	---	6	1	TR-4.6	100	83
244	Trigona 2010		6-17	61	6471	60	20	---	3+1	EYHS	EYHS	83
245	Troiano 2008	NHANES	6-19	1778	7164	60	60[g]	10	1, 4	FR-4	100	100
246	Troped 2007	YRBS	12-13	139	7164	60	20	10	4	FR-3		100
247	Vale 2009		2-5	59	7164	5	---	6	4	SIR	SIR	83
248	Vale 2010	PRESTYL	3-6	245	GTM1	5	---	10	3+1	PTE	REI	83
249	Van Coevering 2005	Prj EAST	grade 6-8	128	7164	60	180	10	---			80
250	Van Sluijs 2008	SPEEDY	9-10	1868	GT1M	5	10	8.33	3	EYHS		100
251	Van Sluijs 2009	ALSPAC	11	4688	7164	60	10	10	3	MAT		100
252	Van Sluijs 2010	EYHS	9-10,14-15	2107	7164	60	10	10	3		MAT	100
253	Verstraete 2007		10-11	111	7164	60	---	---	---	FR-3		50
254	Voorhees 2009	TAAG	11-12	1554	7165	30	20	6	1	TR-4.6	100	100
255	Voss 2008		7- 8	214	*MTI*	60	---	---	4+1	MTC		50
256	Watson 2006		10-14	452	*CSA/MTI*	60	20	13.3	---	PUY	PUY	67

257	Webber 2008	TAAG	grade 6&8	8727	7164	30	20[b]	70/80[b]	6[c]	TR-4.6	100	100
258	Wedderkopp 2009		12-13	163	*MTI*	*60*	10	10	3	TRS		67
259	Weintraub 2008	SPORT	8-11	21	*Actigraph*	60	---	---	---	TR-4.6		33
260	Welk 2007	YMCLS	9-13	120	*Actigraph*	60	20	3/20	4	TRS		83
261	Wen 2010	GUA	3 -5	31	GT1M	15	60	8	4	SIR	SIR	100
262	Wennlöf 2005	EYHS	9-16	969	7164	60	---	10	---	counts		60
263	Wenthe 2009	IBD	12-14	205	7164	60	---	8	3	FR-3		83
264	Wheeler 2010	PEACH	10-11	1053	GT1M	10	60[g]	8[b]	---	PUY	PUY	83
265	Whitt-Glover 2009	NHANES	6-9	2531	7164	60	60[bg]	10[b]	1	FR-4	100	100
266	Wickel 2009	YMCLS	9-14	161	*Actigraph*	----	20	3/20	3+1	FR-3		67
267	Wilkin 2006	EarlyBird	4-10	522	*MTI*	60	---	---	4+1	MTC	MTC	50
268	Williams 2008	CHAMPS	3-4	198	7164	15	60	>4 & <18	3	PTE	PTE	100
269	Wilson 2005		10-12	48	*MTI*	60	---	---	---	--- (3 METs)		17
270	Wong 2006	SHAPES	grade 6-8,10,12	53	7164	60	10	10	5	PUY	PUY	100
271	Wrotniak 2006		8-10	65	7164	60	---	10	6	PUY	PUY	83
272	Zahner 2006	KISS	grade 1,5	502	7164	60	30	12/10	3+1	FR-Y		100
273	Van Cauwenbergh 2010		4-6	114	GT1M	15	10	70/80	2+1	EV, PT, SIR & VCB	EV, PT, SIR & VCB	100

[a] calculated as # of key methods reported of 6 divided by the number of relevant methods (i.e., non-relevant methods are removed from the denominator)
[b] reported in main articles as a reference to another article where the information was obtained
[c] imputation procedures used when not enough wearing time obtained
[d] Puyau cut point adjusted using correction factor of .91 for different Actigraph model: MVPA=2172 cpm and Sedentary=727cpm (274)
[e] 20 out of 28 days possible = 5 days
[f] rounded to nearest 100 counts
[g] with allowance of no more than 2 consecutive non-zero counts (245)
[h] used age and age-adjusted METs (275).

Italics = unclear reporting and not counted as 'reported' in the reporting score
& = designates Time 1 and Time 2 differences
, = designates group differences at same time point
Blank in table means method 'Not Applicable' to paper
cpm = activity counts per minute
vis inspect = visual inspection of data
manual = manual editing of data

VALID WEARING TIME CODES
70/80 = included if $\geq$ 80% of wearing time defined by at least 70% of the study population recording data during that time (30)
3/20 = days with > 3 strings of 20 minutes of zeros excluded
10/20 = days with <10,000 or >20 million counts excluded (276)

<10,000 = days with <10,000 counts excluded
10/8 = 10 hours weekday and 8 hours weekend
12/10 = 12 hours weekday and 10 hours weekend
10/60% = 10 hours for weekdays and 60% of mean wear time for weekends
70% = 70% of a monitoring day to be included
80% = 80% of a monitoring day to be included
70/40% = 70% weekday and 40% weekend
10/10/20 = days with less than 10 hours and <10,000 step counts and > 20,000 counts excluded
10/150/3sd = days with ≥ 10 hours but not < 150 cpm (average) or > 3 standard deviations from the mean

STUDY ABBREVIATIONS

KOALA=KOALA Birth Cohort Study ([Dutch]: Child, Parent and Health: Lifestyle and Genetic Constitution Birth Cohort Study)
ACORDA= Obese children and adolescent involved in a physical activity and diet program
AFINOS=Physical Activity as a Preventative Agent of the Development of Overweight, Obesity, Allergies, Infections, and Cardiovascular Risk Factors in Adolescents
ALSPAC=Avon Longitudinal Study of Parents & Children
BALTS=Baltimore Active Living Teens Study
Bunkeflo= Bunkeflo Project
CALE= Children's Activity in their Local Environment
CHAMPS=Children's Activity and Movement in Preschool Study
CHASE=Child Heart Health Study in England
CL/CL/HPS=CLASS, CLAN, and HEAPS
CLAN=Children Living in Active Neighborhoods Study
CoSCIS=Copenhagen School Child Intervention Study
CV risk factors= Cardiovascular Risk Factors
DANCER=A Pilot of a Video Game Dance Dance Revolution (DDR) to Promote Physical Activity and Decrease Sedentary Screen Time
EarlyBird= The EarlyBird Study
EYHS=European Youth Heart Study – All sites
EYHS-D=European Youth Heart Study - Danish
EYHS-D/E= European Youth Heart Study- Danish and Estonia
EYHS-S=European Youth Heart Study- Sweden
EYHS–S/E=European Youth Heart Study- Sweden and Estonia
Fit for Life= Fit for Life Boy Scout badge program
Fontan= Fontan Cross-Sectional Study by the Pediatric Heart Network (PHN)
GEMS=Stanford Girls Health Enrichment Multisite Studies
GMS=Gateshead Millennium Study
GUA=Growing Up Active Study
HBV= Human Biological Variability: Implications for Physical Education, Sports, Preventive Medicine and Public Health
HELENA=Healthy Lifestyle by Nutrition in Adolescence
HIKCUPS=Hunter Illawarra Kids Challenge Using Parent Support Trial
IBD=Iowa Bone Development Study
IMPACT=Interactive Multi-media for Promoting Physical Activity Study
Iowa Flride=Iowa Fluoride Study

KISS=Kinder-Sportstudie
KOALA=KOALA Birth Cohort Study [Dutch]: Child, Parent and Health: Lifestyle and Genetic Constitution Birth Cohort Study
MAGIC=Movement and Activity Intervention in Glasgow Children
NHANES=National Health and Nutrition Examination Survey
NICHD=National Institute of Child Health & Human Development
PACE+= The Patient-Centered Assessment and Counseling for Exercise Plus Nutrition Project
PACY=Physical Activity in Children and Youth
PANDA=Preschool Activity 'N' Dietary Adiposity
PARADE=Partners of All Ages Reading About Diet and Exercise Project
PEACH=Personal and Environmental Associations with Children's Health Project
PEACHES= Physical Exercise and Appetite in Children Study
POP=Malmo Pediatric Osteoporosis Prevention Study
PRESTYL=Preschool Physical Activity, Body Composition and Lifestyle Study
Prj EAST=Eating and Activity Survey Trial (Project EAST)
SCOTT=Scottish Childhood Obesity Treatment Trial
SHAPES=School Health Action, Planning and Evaluation System
SPACES=Spatial Planning and Children's Exercise Study
SPARKLE= Study of Preschool Activity Lifestyle and Energetics
SPEEDY=Sport, Physical Activity and Eating Behaviour: Environmental Determinants in Young People
SPORT=The Stanford Sports to Prevent Obesity Randomized Trial
SprtsLinx= SportsLinx
Sw-Play=Switen-Play Intervention
TAAG=Trial of Activity in Adolescent Girls
WSB=Walking School Bus Program
YMCLS=Youth Media Campaign Longitudinal Survey
YRBS=Youth Risk Behavior Study

MVPA CUT POINT ABBREVIATIONS

Counts = activity counts only
EV = 2296 cpm (Evenson)
EYHS = 2000 cpm (European Youth Heart Study)
FR-3 = Freedson youth age-specific cut points using 3-MET values
FR-4 = Freedson youth age-specific cut points using 4-MET values
FR-A = 1952 cpm (Freedson adult)
FR-EE = Freedson youth age-specific equation for energy expenditure outcome
FR-Y = Freedson youth age-specific cut points without the Metabolic Equivalent Task (MET) value specifically stated
IND = individualized study-specific cut points
KRI = 400 cpm (Krishnaveni)
MAT = 3600/3518 cpm (Mattocks)
MTC = 2500 cpm (Metcalf)
PTE = 1680 cpm (Pate)
PUY = 3200 cpm (Puyau)

SIR = Sirard age-specfiic cut points (Sirard)
TR-3 = 1160 cpm (Treuth 3 METs)
TR-3.8 = 2094 cpm (Treuth 3.8 METs)
TR-4.6 = 3000 cpm (Treuth 4.6 METs)
TRS = Trost energy expenditure equation (Trost)
VCW = 2340 cpm (Van Cauwenberghe)
WLK1 = 2172 cpm (Welk)
WLK2 = 1560 cpm (Welk)

SEDENTARY CUT POINT ABBREVIATIONS

EYHS = 499 cpm (European Youth Heart Study)
FR [MET] = Freedson youth equation using varied MET values
KRI = 9 cpm (Krishnaveni)
MAT = 199 cpm (Mattocks)
MTC = 999 cpm (Metcalf)
PTE = 151 cpm (Pate)
PUY = 799 cpm (Puyau)
REI = 1099 cpm (Reilly)
ROW = 299 cpm (Rowlands)
SIR= Sirard age-specfiic cut points (Sirard)
100= 100 cpm (Treuth, Evenson)

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