Progress ICAD approved analysis proposals (updated May 17)

Note: Shaded proposals have been completed (published), proposals in italics have been discontinued.

Summary: 38 proposals (12 published; 3 in submission; 1 in circulation; 11 in progress; 6 approved; 5 discontinued)

Proposal No	Lead applicant	On behalf of partner	Title	Approval date	Date release	Expire date protected access	Status
1	L Sherar	Steering Committee	International children's accelerometry database (ICAD): Design and methods.	NA (core)	NA	NA	**Published** *BMC PH 2011*
2	U Ekelund	SPEEDY	Combined Associations of Moderate-to-Vigorous Physical Activity and Sedentary Time with Cardio-Metabolic Risk Factors in Youth (ICAD)	NA (core)	NA	NA	**Published** *JAMA 2013*
3	L Sherar	Steering Committee	The association between parental education, weight status and objectively assessed physical activity and sedentary behaviour in youth: A cross country comparison	NA (core)	NA	NA	**Published** J Epi Comm Health 2016
4	A Cooper	PEACH	A cross country comparison of body mass index, accelerometer assessed physical activity and sedentary behaviour of children and adolescents	NA (core)	NA	NA	**Published** IJBNPA 2015
5	S Kwon	Iowa Bone Dev Study	Tracking of accelerometry-measured physical activity during childhood: ICAD pooled analysis	Mar-11	Sep-11	NA	**Published** *IJBNPA 2012*
6	*G Cardon*	*Belgium Pre-school Study*	*Are patterns of sedentary behaviours and physical activity associated with weight status in preschool aged children?*	*Mar-11*	*Sep-11*	*Sep-12*	*Discontinued*
7	K Wijndaele	PEACH	Breaks in sedentary time and cardiovascular risk in children and youth.	May-11	Apr-13*	Jul-17#	In progress
8	A Timperio	CLAN/HEAPS	Independent associations between TV viewing and weight status and cardio-metabolic health among children.	Feb-12	Apr-13*	Jul-17#	In progress
9	N Ridgers	CLAN/HEAPS	Physical activity levels according to different cut-point thresholds and associations with health outcomes.	Feb-12	Apr-13*	Jul-17#	In progress

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10	J Salmon	CLAN/HEAPS	Is children's TV viewing and computer use more strongly associated with light-intensity than moderate- to vigorous-intensity physical activity? (Brief report)	Feb-12	Apr-13*	Jul-17#	In progress
11	*U Ekelund*	*SPEEDY*	*Does physical activity moderate or modify the association between birth weight and cardio-metabolic health outcomes.*	*Feb-12*	*May-13*	*Aug-16#*	*Discontinued – re-applied for ICAD2 data (#35)*
12	R Pate / J Mitchell	TAAG	Physical Activity and Pediatric Obesity: a Quantile Regression Analysis.	Feb-12	Apr-13*	Jan-15#	**Published** *MSSE 2016*
13	U Ekelund / M Hildebrand	Open access	Associations between birth weight, waist circumference and sedentary time – a mediation analysis.	Mar-12	May-13	May-14	**Published** *AJCN 2015*
14	A Atkin	Open access	TV viewing and computer use in children and adolescents: A descriptive epidemiology using the International Children's Accelerometry Database	Jan-13	May-13	May-14	**Published** *AJPM 2014*
15	R Pate / J Moore	Open access	Associations of Vigorous-intensity Physical Activity with Biomarkers in Youth	Jun-13	Jul-13	May-15#	**Published** *MSSE 2017*
16	A Cooper / A Goodman	Open access	Seasonal variation in physical activity and day length	Jun-13	Jul-13	Jul-14	**Published** *IJBNPA 2014*
17	K Corder	Open access	Characterising age-related differences in the ratios of vigorous physical activity and moderate physical activity	Oct-13	Oct-13	Apr-15#	**Published** *PMR 2016*
18	B Hansen	Open access	Effects of reallocating time to sedentary or active behaviours on markers of cardiovascular disease risk factors in children and adolescence	Jan-14	Jan-14	May-17#	In circulation
19	*B Hansen*	*Open access*	*Does age affect the magnitude of associations between sporadic and bouted time spent in moderate-to-vigorous intensity physical activity and adiposity and markers of cardio-metabolic risk factors in children and adolescents?*	*Jan-14*	*Jan-14*	*Mar-16#*	*Discontinued – re-applied for ICAD2 data (#37)*
20	K Brazendale	Open access	Not all minutes are created equal: Rosetta Stone Part 2	Mar-14	Mar-14	Mar-15	**Published** *JSAMS 2015*
21	F Harrison	Open access	Weather and physical activity; how and why do relationships vary between countries?	Sep-14	Oct-14	Mar-16#	In submission

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22	*E Murtagh*	*Open Access*	*The relationship between inverse BMI, physical activity and cardiometabolic risk in children and young people*	*Mar-15*	*Apr-15*	*Apr-16*	*Discontinued*
23	*E Murtagh*	*Open Access*	*The relationship between inverse BMI and physical activity in children and young people*	*Mar-15*	*Apr-15*	*Apr-16*	*Discontinued*
24	J Tarp / S Brage	Open Access	Physical activity patterns and metabolic health in youth	May-15	May-15	Jul-17[#]	In progress
25	J Tarp	Open Access	Assessing mediation by adiposity in the association between physical activity and cardiometabolic risk factors in youth – A cross-sectional mediation analysis	Nov-15	Feb-16	Feb-17	In submission
26	N Kuzik	Open Access	The role of physical activity and sedentary behaviour in metabolic health of children across different weight statuses	Feb-16	Mar-16	Mar-17	In submission
27	S Kriemler	KISS	ICAD preschool data for comparison to establish Swiss physical activity guidelines for preschool children (from birth to the fifth year of life)	Apr-16	May-16	May-17	In progress
28	J Steene-Johannessen	Open Access	Variation in objectively measured physical activity and sedentary behaviors across European youth	Apr-16	Oct-16	Oct-17	In progress
29	E van Ekris	Open Access	Tracking of total sedentary time and prolonged uninterrupted sedentary time during childhood and adolescence	Jul-16	Oct-16	Oct-17	In progress
ICAD2 proposals (release from Mar 2017)							
30	S Kwon	IBDS	A closer look at the relationship among accelerometer-based physical activity metrics	Jan-17	May-17	May-18	
31	A Atkin	SPEEDY	Age related change in physical activity during childhood and adolescence	Jan-17	Mar-17	Mar-18	
32	U Ekelund	Open access	Independent prospective associations between sedentary time, light, moderate and vigorous intensity physical activity with cardio-metabolic risk factors in young people	Jan-17	In progress		
33	J Tarp	EYHS Denmark	Prospective associations between PA and anthropometrical indices of adiposity – examining sources of heterogeneity in population and study characteristics	Jan-17	In progress		
34	E Aadland	CoSCIS	Uncovering relationships between physical activity and metabolic health in children and adolescents by means of multivariate pattern analyses	Jan-17	In progress		

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35	GP Bernhardsen	Open Access	Birth weight and cardio-metabolic risk factors in youth- does physical activity matter? (update of #11)	Jan-17	In progress		
36	E van Sluijs	SPEEDY	Is ubiquitous car ownership driving physical inactivity in young people?	Jan-17	In progress		
37	BH Hansen	Open access	Does age affect the magnitude of associations between sporadic and bouted time spent in moderate-to-vigorous intensity physical activity and adiposity and markers of cardio-metabolic risk factors in children and adolescents? (update of #19)	Jan-17	Apr-17	Apr-18	
38	P Collings	Open access	Sleep dimensions and cardiometabolic risk markers: analysis of mediation by physical activity and sedentary time in the International Children's Accelerometry Database	Jan-17	In progress		

*: Due to reprocessing of accelerometry data, all data releases were renewed in April 2013.

#: Extension approved