Progress ICAD approved analysis proposals (updated Jun 19)

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

Summary: 53 proposals approved (20 published; 7 in submission; 0 in circulation; 11 in progress; 4 approved; 11 discontinued)

Proposal	Lead	On behalf of	Title	Approval	Date	Expire date	Status
No	applicant	partner		date	release	protected	
						access	
1	L Sherar	Steering	International children's accelerometry database (ICAD): Design	NA (core)	NA	NA	Published
		Committee	and methods.				BMC PH 2011
2	U Ekelund	SPEEDY	Combined Associations of Moderate-to-Vigorous Physical	NA (core)	NA	NA	Published
			Activity and Sedentary Time with Cardio-Metabolic Risk Factors				JAMA 2013
			in Youth (ICAD)				
3	L Sherar	Steering	The association between parental education, weight status and	NA (core)	NA	NA	Published
		Committee	objectively assessed physical activity and sedentary behaviour in				J Epi Comm Health
			youth: A cross country comparison				2016
4	A Cooper	PEACH	A cross country comparison of body mass index, accelerometer	NA (core)	NA	NA	Published
			assessed physical activity and sedentary behaviour of children				IJBNPA 2015
			and adolescents				
5	S Kwon	Iowa Bone	Tracking of accelerometry-measured physical activity during	Mar-11	Sep-11	NA	Published
		Dev Study	childhood: ICAD pooled analysis				IJBNPA 2012
6	G Cardon	Belgium Pre-	Are patterns of sedentary behaviours and physical activity	Mar-11	Sep-11	Sep-12	Discontinued
		school Study	associated with weight status in preschool aged children?				
7	K Wijndaele	PEACH	Breaks in sedentary time and cardiovascular risk in children and	May-11	Apr-13 [*]	Jul-17 [#]	In submission
			youth.				
8	A Timperio	CLAN/HEAPS	Independent associations between TV viewing and weight status	Feb-12	Apr-13*	Apr-18 [#]	Discontinued
			and cardio-metabolic health among children.				
9	N Ridgers	CLAN/HEAPS	Physical activity levels according to different cut-point thresholds	Feb-12	Apr-13*	Apr-18 [#]	Discontinued
			and associations with health outcomes.				

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10	J Salmon	CLAN/HEAPS	Is children's TV viewing and computer use more strongly	Feb-12	Apr-13*	Apr-18 [#]	Discontinued
			associated with light-intensity than moderate- to vigorous-				
			intensity physical activity? (Brief report)				
11	U Ekelund	SPEEDY	Does physical activity moderate or modify the association	Feb-12	May-13	Aug-16 [#]	Discontinued – re-
			between birth weight and cardio-metabolic health outcomes.				applied for ICAD2
							data (#35)
12	R Pate / J	TAAG	Physical Activity and Pediatric Obesity: a Quantile Regression	Feb-12	Apr-13*	Jan-15 [#]	Published
	Mitchell		Analysis.				MSSE 2016
13	U Ekelund / M	Open access	Associations between birth weight, waist circumference and	Mar-12	May-13	May-14	Published
	Hildebrand		sedentary time – a mediation analysis.				AJCN 2015
14	A Atkin	Open access	TV viewing and computer use in children and adolescents: A	Jan-13	May-13	May-14	Published
			descriptive epidemiology using the International Children's				AJPM 2014
			Accelerometry Database				
15	R Pate / J	Open access	Associations of Vigorous-intensity Physical Activity with	Jun-13	Jul-13	May-15 [#]	Published
	Moore		Biomarkers in Youth				MSSE 2017
16	A Cooper / A	Open access	Seasonal variation in physical activity and day length	Jun-13	Jul-13	Jul-14	Published
	Goodman						IJBNPA 2014
17	K Corder	Open access	Characterising age-related differences in the ratios of vigorous	Oct-13	Oct-13	Apr-15 [#]	Published
			physical activity and moderate physical activity				PMR 2016
18	B Hansen	Open access	Cross-sectional associations of reallocating time between	Jan-14	Jan-14	May-17#	Published
			sedentary and active behaviours on cardiometabolic risk factors				Sports Med 2018
			in young people: an International Children's Accelerometry				
			Database (ICAD) analysis				
19	B Hansen	Open access	Does age affect the magnitude of associations between sporadic	Jan-14	Jan-14	Mar-16 [#]	Discontinued – re-
			and bouted time spent in moderate-to-vigorous intensity				applied for ICAD2
			physical activity and adiposity and markers of cardio-metabolic risk factors in children and adolescents?				data (#37)
20	K Brazendale	Open access	Not all minutes are created equal: Rosetta Stone Part 2	Mar-14	Mar-14	Mar-15	Published
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Proposal No	Lead applicant	On behalf of partner	Title	Approval date	Date release	Expire date protected access	Status
21	F Harrison	Open access	Weather and physical activity; how and why do relationships vary between countries?	Sep-14	Oct-14	Mar-16 [#]	Published IJBNPA 2017
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 press (IJO 2018)
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	Published IJO 2017
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	Published Obesity 2017
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	Discontinued
28	J Steene- Johannessen	Open Access	Variation in objectively measured physical activity and sedentary behaviors across European youth	Apr-16	Oct-16	Oct-18 [#]	In submission
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-18 [#]	In submission
ICAD2 pro	posals (release f	from Mar 2017) [*]					
30	S Kwon	IBDS	A closer look at the relationship among accelerometer-based physical activity metrics	Jan-17	Jun-18**	Jun-19	Published IJBNPA 2019
31	A Atkin	SPEEDY	Age related change in physical activity during childhood and adolescence	Jan-17	Apr-18**	Oct-19 [*]	In progress
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	Apr-18**	Oct-19 [*]	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	Sep-18	Sep-19	In progress

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34	E Aadland	CoSCIS	Uncovering relationships between physical activity and metabolic health in children and adolescents by means of multivariate pattern analyses	Jan-17	Apr-18**	Apr-19	In progress
35	GP Bernhardsen	Open Access	Birth weight and cardio-metabolic risk factors in youth- does physical activity matter? (update of #11)	Jan-17	May-17	Oct-19 [*]	In progress
36	E van Sluijs	SPEEDY	Is ubiquitous car ownership driving physical inactivity in young people?	Jan-17	Apr-18**	Apr-19	In submission
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-18**	Apr-19	Discontinued
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		Further data harmonisation ongoing
39	M Renninger/ U Ekelund	Open access	Is objectively measured sedentary time and physical activity associated with the metabolic syndrome in children and adolescents?	Apr-17	May-17	May-18	In submission
40	A Atkin	No data	Harmonising data on the correlates of physical activity and sedentary behaviour in young people: Methods and lessons learnt from the International Children's Accelerometry Database (ICAD)	Nov-16	NA	NA	Published IJBNPA 2017
41	H Hussein	Open access	Estimating the existence and direction of a causal relationship between activity levels and obesity in children	Jul-17	Aug-17	Aug-18	Discontinued
42	M Orme	Open access	Reactivity to accelerometer measurement of children and adolescents: The International Children's Accelerometery Database	Oct-17	May-18 ^{**}	Oct-19 [*]	In progress
43	S Costa	Open access	The relationship between physical activity, sedentary time, and weight in preschool aged children: Analysis from the International Children's Accelerometry Database	Oct-17	May-18**	Oct-19 [*]	In progress
44	K Dias	Open access	Levels and determinants of sedentary, light and moderate to vigorous physical activity levels in pre-school aged children	Nov-17	May-18**	May-19	Published IJERPH 2019

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45	DR Pereira da Silva	Open access	To examine the joint associations of different intensities (light, moderate and vigorous) of physical activity and obesity status with metabolic risk in youth	Jan-18	May-18 ^{**}	May-19	In submission
46	PB Júdice	Open access	Can physical activity offset the harmful effects of specific sedentary patterns? A trans-national prospective study from childhood to adulthood (ICAD 2)	Jan-18	May-18 ^{**}	May-19	In submission
47	C Gammon	Open Access	Interpretation of the youth physical activity guidelines: implications for compliance estimates and associations with health indicators	Jun-18	Jun-18	Jun-19	In progress
48	R Love	Open Access	Socio-economic patterning of physical activity intensities: are the current global recommendations of physical activity appropriate?	Aug-18	Sep-18	Sep-19	In progress
49	M Chinapaw	Open access	Development and validation of an analysis method for sophisticated PA and SB sequence maps using accelerometer data pooled into an international database	Sep-18	In progress		Further harmonisation ongoing
50	M McNarry	Open access	Patterns of objectively measured sedentary time and physical activity during and after primary and secondary school	Jan-19	Feb-19	Feb-20	In progress
51	M McNarry	Open access	Determining clustered cardiometabolic risk variables in youth using principal component analysis	Jan-19	Feb-19	Feb-20	In progress
52	N Pearson	Open access	Investigating the home environmental and behavioural pathways between maternal education and changes in children's objective physical activity and sedentary time: a structural equation modelling analysis	May-19	In progress		Further harmonisation ongoing
53	K Brazendale	Open access	Children's Physical Activity During Weekdays versus Weekend Days: Testing the Structured Days Hypothesis (SDH) releases were renewed in April 2013.	May-19	Jun-19	Jun-20	Ongoing