Number of Days Required to Estimate Habitual Activity Accelerometer: A Cross-Sectional Study

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Citation Report

#	Article	IF	Citations
1	Exploring parents' screen-viewing behaviours and sedentary time in association with their attitudes toward their young child's screen-viewing. Preventive Medicine Reports, 2017, 7, 198-205.	0.8	10
2	Of weekend warriors and couch potatoes: Socio-economic determinants of physical activity in Swiss middle-aged adults. Preventive Medicine, 2017, 105, 350-355.	1.6	15
3	Measuring Physical Activity with Hip Accelerometry among U.S. Older Adults: How Many Days Are Enough?. PLoS ONE, 2017, 12, e0170082.	1.1	44
4	Energy balance components in persons with paraplegia: daily variation and appropriate measurement duration. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 132.	2.0	44
5	Does replacing sedentary behaviour with light or moderate to vigorous physical activity modulate inflammatory status in adults?. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 138.	2.0	50
6	Associations between physical behaviour patterns and levels of depressive symptoms, anxiety and well-being in middle-aged adults: a cross-sectional study using isotemporal substitution models. BMJ Open, 2018, 8, e018978.	0.8	32
7	Reliability of intensity-based physical activity measurement using an activity monitor in people with subacute stroke in the hospital setting: a cross-sectional study. Topics in Stroke Rehabilitation, 2018, 25, 288-294.	1.0	17
8	Replacement of Sedentary Time with Physical Activity. Medicine and Science in Sports and Exercise, 2018, 50, 967-976.	0.2	4
9	Feasibility, reliability, and validity of using accelerometers to measure physical activities of patients with stroke during inpatient rehabilitation. PLoS ONE, 2018, 13, e0209607.	1.1	30
10	Relationships between muscle size, strength, and physical activity in adults with muscular dystrophy. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 1042-1052.	2.9	24
11	The number of repeated observations needed to estimate the habitual physical activity of an individual to a given level of precision. PLoS ONE, 2018, 13, e0192117.	1.1	24
12	How many days are needed to estimate wrist-worn accelerometry-assessed physical activity during the second trimester in pregnancy?. PLoS ONE, 2019, 14, e0211442.	1.1	13
13	Impact of visual impairment on physical activity in early and late age-related macular degeneration. PLoS ONE, 2019, 14, e0222045.	1.1	6
14	Acceptability and feasibility of wearing activity monitors in communityâ€dwelling older adults with dementia. International Journal of Geriatric Psychiatry, 2019, 34, 617-624.	1.3	37
15	Tart Cherry Concentrate Does Not Alter the Gut Microbiome, Glycaemic Control or Systemic Inflammation in a Middle-Aged Population. Nutrients, 2019, 11, 1063.	1.7	21
16	Identification of earlier predictors of pregnancy complications through wearable technologies in a Brazilian multicentre cohort: Maternal Actigraphy Exploratory Study I (MAES-I) study protocol. BMJ Open, 2019, 9, e023101.	0.8	9
17	Prospective Study of Physical Activity of Preterm Born Children from Age 5 to 14ÂYears. Journal of Pediatrics, 2019, 208, 66-73.e7.	0.9	13
18	Changes in physical activity during hospital admission for chronic respiratory disease. Respirology, 2019, 24, 652-657.	1.3	16

#	Article	IF	Citations
19	Standardising the measurement of physical activity in people receiving haemodialysis: considerations for research and practice. BMC Nephrology, 2019, 20, 450.	0.8	7
20	Determining the Optimal Number of Wearing-Days Given a Fixed Number of Accelerometers in Population-Level Study. Journal of Epidemiology, 2019, 29, 432-443.	1.1	4
22	Perceived somatic and affective barriers for self-efficacy and physical activity. Journal of Health Psychology, 2019, 24, 1850-1862.	1.3	9
23	Informal fatigue-related risk management in the emergency department: A trade-off between doing well and feeling well. Safety Science, 2020, 122, 104508.	2.6	3
24	Number of days required to estimate physical activity constructs objectively measured in different age groups: Findings from three Brazilian (Pelotas) population-based birth cohorts. PLoS ONE, 2020, 15, e0216017.	1.1	39
25	Bone Mineral Density in Severely Obese Women: Health Risk and Health Protective Risk Factors in Three Different Bone Sites. International Journal of Environmental Research and Public Health, 2020, 17, 7017.	1.2	2
26	Association between device-measured physical activity and lumbar Modic changes. BMC Musculoskeletal Disorders, 2020, 21, 630.	0.8	2
27	Accelerometry assessed physical activity of older adults hospitalized with acute medical illness - an observational study. BMC Geriatrics, 2020, 20, 382.	1.1	16
28	Accelerometry evaluation of shoulder movement and its association with patient-reported and clinical outcomes following reverse total shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2020, 29, 2308-2318.	1.2	8
29	Relationships of Linear and Non-linear Measurements of Post-stroke Walking Activity and Their Relationship to Weather. Frontiers in Sports and Active Living, 2020, 2, 551542.	0.9	0
30	What are the factors associated with sarcopenia-related variables in adult women with severe obesity?. Archives of Public Health, 2020, 78, 71.	1.0	5
31	12-Month changes of muscle strength, body composition and physical activity in adults with dystrophinopathies. Disability and Rehabilitation, 2020, , 1-8.	0.9	4
32	A crossâ€sectional analysis of physical activity and weight misreporting in diverse populations: The Seattle Obesity Study III. Obesity Science and Practice, 2020, 6, 615-627.	1.0	8
33	Effects of Extra Virgin Olive Oil (EVOO) and the Traditional Brazilian Diet on Sarcopenia in Severe Obesity: A Randomized Clinical Trial. Nutrients, 2020, 12, 1498.	1.7	17
34	No one accelerometer-based physical activity data collection protocol can fit all research questions. BMC Medical Research Methodology, 2020, 20, 141.	1.4	9
35	Type 2 Diabetes Mellitus in Class II and III Obesity: Prevalence, Associated Factors, and Correlation between Glycemic Parameters and Body Mass Index. International Journal of Environmental Research and Public Health, 2020, 17, 3930.	1.2	18
36	Effect of Extra Virgin Olive Oil and Traditional Brazilian Diet on the Bone Health Parameters of Severely Obese Adults: A Randomized Controlled Trial. Nutrients, 2020, 12, 403.	1.7	17
37	Walking activity in a large cohort of boys with <scp>Duchenne</scp> muscular dystrophy. Muscle and Nerve, 2021, 63, 192-198.	1.0	15

#	Article	IF	Citations
38	Novel CPET Reference Values in Healthy Adults: Associations with Physical Activity. Medicine and Science in Sports and Exercise, 2021, 53, 26-37.	0.2	30
39	Day-to-day and longer-term longitudinal associations between physical activity, sedentary behavior, and sleep in children. Sleep, 2021, 44, .	0.6	6
40	Comparing 24 h physical activity profiles: Office workers, women with a history of gestational diabetes and people with chronic disease condition(s). Journal of Sports Sciences, 2021, 39, 219-226.	1.0	8
41	Associations between meeting 24-hour movement guidelines and academic achievement in Australian primary school-aged children. Journal of Sport and Health Science, 2022, 11, 521-529.	3.3	19
42	Locations of Physical Activity: Where Are Children, Adolescents, and Adults Physically Active? A Systematic Review. International Journal of Environmental Research and Public Health, 2021, 18, 1240.	1.2	26
43	UK university staff experience high levels of sedentary behaviour during work and leisure time. International Journal of Occupational Safety and Ergonomics, 2022, 28, 1104-1111.	1.1	9
44	Associations among masticatory muscle activity, physical activity and self-reported oral behaviours in adult women. Clinical Oral Investigations, 2021, 25, 5049-5059.	1.4	3
46	How Many Valid Days Are Necessary to Assess Physical Activity Data From Accelerometry During Pregnancy?. Journal of Physical Activity and Health, 2021, 18, 337-344.	1.0	6
48	Open-source Longitudinal Sleep Analysis From Accelerometer Data (DPSleep): Algorithm Development and Validation. JMIR MHealth and UHealth, 2021, 9, e29849.	1.8	11
50	Effects of Short- and Long-Term Aerobic-Strength Training and Determinants of Walking Speed in the Elderly. Gerontology, 2022, 68, 151-161.	1.4	1
51	Adherence to the 24-hour Movement Behavior Guidelines and Associations with Depressive Symptoms among College Students. International Journal of Kinesiology in Higher Education, 2022, 6, 225-237.	0.3	2
52	Changes in physical activity and rest-activity circadian rhythm among Hong Kong community aged population before and during COVID-19. BMC Public Health, 2021, 21, 836.	1.2	9
53	Utility of wearable physical activity monitors in cardiovascular disease: a systematic review of 11Â464 patients and recommendations for optimal use. European Heart Journal Digital Health, 2021, 2, 231-243.	0.7	7
54	Reliability of GENEActiv accelerometers to estimate sleep, physical activity, and sedentary time in children. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 73.	2.0	14
55	Multi-Component Physical Activity Interventions in the UK Must Consider Determinants of Activity to Increase Effectiveness. Journal of Functional Morphology and Kinesiology, 2021, 6, 56.	1.1	4
56	Assessment of Physical Activity in Adults Using Wrist Accelerometers. Epidemiologic Reviews, 2021, 43, 65-93.	1.3	22
57	Association of daily composition of physical activity and sedentary behaviour with incidence of cardiovascular disease in older adults. International Journal of Behavioral Nutrition and Physical Activity, 2021, 18, 83.	2.0	20
58	Effects of a remote, YouTube-delivered exercise intervention on young adultsâ€™ physical activity, sedentary behavior, and sleep during the COVID-19 pandemic: Randomized controlled trial. Journal of Sport and Health Science, 2022, 11, 145-156.	3.3	41

#	Article	IF	Citations
59	Community Participation by People with Chronic Obstructive Pulmonary Disease. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2021, 18, 533-540.	0.7	2
60	Validity and Test-Retest Reliability of a Thai Stroke Physical Activity Questionnaire. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105907.	0.7	3
61	Establishing a Global Standard for Wearable Devices in Sport and Exercise Medicine: Perspectives from Academic and Industry Stakeholders. Sports Medicine, 2021, 51, 2237-2250.	3.1	12
62	Three Days of Measurement Provide Reliable Estimates of Daily Tremor Characteristics: A Pilot Study in Organic and Functional Tremor Patients. Tremor and Other Hyperkinetic Movements, 2021, 11, 13.	1.1	0
63	Accelerometry as an objective measure of upper-extremity activity. Medical and Biological Engineering and Computing, 2021, 59, 187-194.	1.6	0
64	Association Between Physical Activity Levels in the Hospital Setting and Hospital-Acquired Functional Decline in Elderly Patients. JAMA Network Open, 2020, 3, e1920185.	2.8	46
65	Mental contrasting and implementation intentions to increase physical activity in sedentary, disadvantaged adults: A pilot intervention.. Sport, Exercise, and Performance Psychology, 2020, 9, 261-275.	0.6	3
66	Interday Reliability of the IDEEA Activity Monitor for Measuring Movement and Nonmovement Behaviors in Older Adults. Journal of Aging and Physical Activity, 2019, 27, 141-154.	0.5	11
67	Ambulatory oxygen for treatment of exertional hypoxaemia in pulmonary fibrosis (PFOX trial): a randomised controlled trial. BMJ Open, 2020, 10, e040798.	0.8	9
68	A pilot randomised controlled trial of a structured, home-based exercise programme on cardiovascular structure and function in kidney transplant recipients: the ECSERT study design and methods. BMJ Open, 2021, 11, e046945.	0.8	3
72	Assessing the Measurement Properties of the Fitbit ZipÂ® Among Adults Living With HIV. Journal of Physical Activity and Health, 2020, 17, 293-305.	1.0	4
73	Methodological aspects for accelerometer-based assessment of physical activity in heart failure and health. BMC Medical Research Methodology, 2021, 21, 251.	1.4	10
74	Home-based pulmonary rehabilitation early after hospitalisation in COPD (early HomeBase): protocol for a randomised controlled trial. BMJ Open Respiratory Research, 2021, 8, e001107.	1.2	0
75	High intensity interval training versus moderate intensity continuous training for people with interstitial lung disease: protocol for a randomised controlled trial. BMC Pulmonary Medicine, 2021, 21, 361.	0.8	4
76	A Brief Intervention of Physical Activity Education and Counseling in Community Rehabilitation: A Feasibility Randomized Controlled Trial. Journal of Aging and Physical Activity, 2021, , 1-8.	0.5	0
77	Considerations to address missing data when deriving clinical trial endpoints from digital health technologies. Contemporary Clinical Trials, 2022, 113, 106661.	0.8	14
78	Geographic clusters of objectively measured physical activity and the characteristics of their built environment in a Swiss urban area. PLoS ONE, 2022, 17, e0252255.	1.1	0
79	Risk stratification for hospital-acquired venous thromboembolism in medical patients (RISE): Protocol for a prospective cohort study. PLoS ONE, 2022, 17, e0268833.	1.1	6

#	Article	IF	Citations
81	Ideal Lifeâ€™s Simple 7 Score Relates to Macrovascular Structure and Function in the Healthy Population. Nutrients, 2022, 14, 3616.	1.7	1
82	Objective and subjective measures of sleep in men with Muscular Dystrophy. PLoS ONE, 2022, 17, e0274970.	1.1	5
83	Dyadic reciprocal associations between selfâ€efficacy and planning predict sedentary behaviour. British Journal of Health Psychology, 0, , .	1.9	0
84	Recommendations for Identifying Valid Wear for Consumer-Level Wrist-Worn Activity Trackers and Acceptability of Extended Device Deployment in Children. Sensors, 2022, 22, 9189.	2.1	3
86	Improved Spatiotemporal Framework for Human Activity Recognition in Smart Environment. Sensors, 2023, 23, 132.	2.1	2
87	Steps parameters of elderly patients hospitalised for an acute medical illness in a Swiss University Hospital: an observational pilot study. Swiss Medical Weekly, 2022, 152, 40012.	0.8	0
88	The Role of Self-Efficacy and Activity Patterns in the Physical Activity Levels of Women with Fibromyalgia. Biology, 2023, 12, 85.	1.3	0
89	Vitamin D in women with class II/III obesity: Findings from the DieTBra trial. Clinical Nutrition ESPEN, 2023, 55, 83-89.	0.5	0
90	â€˜Self-Management Intervention through Lifestyle Education for Kidney healthâ€™ (the SMILE-K study): protocol for a single-blind longitudinal randomised controlled trial with nested pilot study. BMJ Open, 2022, 12, e064916.	0.8	8