

Low cardiorespiratory fitness is a strong predictor for cardiovascular disease risk factors in children independent of country,

European Journal of Cardiovascular Prevention and Rehabilitation
14, 526-531

DOI: [10.1097/hjr.0b013e328011efc1](https://doi.org/10.1097/hjr.0b013e328011efc1)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Independent associations of physical activity and cardiorespiratory fitness with metabolic risk factors in children: the European youth heart study. <i>Diabetologia</i> , 2007, 50, 1832-1840.	2.9	446
3	Physical activity and cardiovascular performance – how important is cardiorespiratory fitness in childhood?. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2008, 16, 235-243.	0.8	3
4	Health-related aspects of objectively measured daily physical activity in children. <i>Clinical Physiology and Functional Imaging</i> , 2008, 28, 133-144.	0.5	102
5	Fitness, fatness and clustering of cardiovascular risk factors in children from Denmark, Estonia and Portugal: The European Youth Heart Study. <i>Pediatric Obesity</i> , 2008, 3, 58-66.	3.2	195
6	Physical activity, cardiorespiratory fitness, and the metabolic syndrome in youth. <i>Journal of Applied Physiology</i> , 2008, 105, 342-351.	1.2	198
8	Association between aerobic fitness, body composition, and physical activity in 9- and 15-year-olds. <i>European Journal of Sport Science</i> , 2009, 9, 141-150.	1.4	18
9	Physical Fitness in Children With High Motor Competence Is Different From That in Children With Low Motor Competence. <i>Physical Therapy</i> , 2009, 89, 1089-1097.	1.1	105
10	Prevalence and correlates of the metabolic syndrome in a population-based sample of European youth. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 90-96.	2.2	131
11	Cardiovascular disease risk factors in a population-based sample of Norwegian children and adolescents. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2009, 69, 380-386.	0.6	33
12	Eight-year-old children with high cardiorespiratory fitness have lower overall and abdominal fatness. <i>Pediatric Obesity</i> , 2009, 4, 98-105.	3.2	38
13	Cardiorespiratory fitness and body mass index values in 9-year-old rural Norwegian children. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2009, 98, 687-692.	0.7	11
14	The influence of fitness on insulin resistance in obese children. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2009, 10, 189-196.	2.6	7
15	Sedentariness, Small-Screen Recreation, and Fitness in Youth. <i>American Journal of Preventive Medicine</i> , 2009, 36, 120-125.	1.6	53
16	Association of Sports Club Participation with Fitness and Fatness in Children. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 344-350.	0.2	66
17	Low Muscle Fitness Is Associated with Metabolic Risk in Youth. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1361-1367.	0.2	194
18	Physical Fitness, Activity, and Insulin Dynamics in Early Pubertal Children. <i>Pediatric Exercise Science</i> , 2009, 21, 63-76.	0.5	20
19	Aerobic Fitness and Mode of Travel to School in English Schoolchildren. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 281-287.	0.2	89
20	Associations of Cardiorespiratory Fitness and Fatness With Cardiovascular Risk Factors Among Adolescents: The NHANES 1999-2002. <i>Journal of Physical Activity and Health</i> , 2010, 7, 746-753.	1.0	22

#	ARTICLE	IF	CITATIONS
21	Cytokines and clustered cardiovascular risk factors in children. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 561-566.	1.5	27
22	Influence of muscle fitness test performance on metabolic risk factors among adolescent girls. <i>Diabetology and Metabolic Syndrome</i> , 2010, 2, 42.	1.2	22
23	Aerobic fitness in prepubertal children according to level of body fat. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010, 99, 1854-1860.	0.7	10
24	Can peak work rate predict peak oxygen uptake in children with juvenile idiopathic arthritis?. <i>Arthritis Care and Research</i> , 2010, 62, 960-964.	1.5	5
25	Cardiovascular risk factor clustering and its association with fitness in nine-year-old rural Norwegian children. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010, 20, e112-20.	1.3	30
26	Effect of asthma treatment on fitness, daily activity and body composition in children with asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2010, 65, 1464-1471.	2.7	69
27	Relação entre aptidão cardiorrespiratória e indicadores de adiposidade corporal em adolescentes. <i>Revista Paulista De Pediatria</i> , 2010, 28, 296-302.	0.4	8
28	Clustering of multiple lifestyle behaviours and its relationship with weight status and cardiorespiratory fitness in a sample of Flemish 11- to 12-year-olds. <i>Public Health Nutrition</i> , 2010, 13, 1838-1846.	1.1	49
29	Objectively measured daily physical activity related to aerobic fitness in young children. <i>Journal of Sports Sciences</i> , 2010, 28, 139-145.	1.0	39
30	The Role of Physical Activity in Type 2 Diabetes Prevention: Physiological and Practical Perspectives. <i>Physician and Sportsmedicine</i> , 2010, 38, 72-82.	1.0	50
31	Systematic review of the health benefits of physical activity and fitness in school-aged children and youth. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2010, 7, 40.	2.0	3,061
32	The Influence of Exercise on Metabolic Syndrome in Youth: A Review. <i>American Journal of Lifestyle Medicine</i> , 2010, 4, 176-186.	0.8	42
33	Recommended aerobic fitness level for metabolic health in children and adolescents: a study of diagnostic accuracy. <i>British Journal of Sports Medicine</i> , 2011, 45, 722-728.	3.1	77
34	Adiposity and aerobic fitness are associated with metabolic disease risk in children. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 72-79.	0.9	24
35	Body fat, abdominal fat and body fat distribution related to VO ₂ PEAK in young children. <i>Pediatric Obesity</i> , 2011, 6, e597-e602.	3.2	11
36	Differences in metabolic risk factors between normal weight and overweight children. <i>Pediatric Obesity</i> , 2011, 6, 244-252.	3.2	18
37	Physical activity and cardiovascular risk factors in children. <i>British Journal of Sports Medicine</i> , 2011, 45, 871-876.	3.1	234
38	Accelerometer-measured daily physical activity related to aerobic fitness in children and adolescents. <i>Journal of Sports Sciences</i> , 2011, 29, 887-895.	1.0	48

#	ARTICLE	IF	CITATIONS
39	Valores normativos do desempenho motor de crianças e adolescentes: o estudo longitudinal-misto do Cariri. Revista Brasileira De Educaçãe Física E Esporte: RBEFE, 2011, 25, 111-125.	0.1	5
40	Relationship of Body Fat and Cardiorespiratory Fitness with Cardiovascular Risk in Chinese Children. PLoS ONE, 2011, 6, e27896.	1.1	32
41	Predictors of VO2Peak in Children Age 6- to 7-Years-Old. Pediatric Exercise Science, 2011, 23, 87-96.	0.5	5
42	Cycling to School and Cardiovascular Risk Factors: A Longitudinal Study. Journal of Physical Activity and Health, 2011, 8, 1025-1033.	1.0	90
43	Effects of a 2-year school-based daily physical activity intervention on cardiorespiratory fitness: the Sogndal school-intervention study. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 302-309.	1.3	49
44	Physical activity, fitness and health in children. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 155-156.	1.3	5
45	The association between physical activity, physical fitness and development of metabolic disorders. Pediatric Obesity, 2011, 6, 29-34.	3.2	55
46	Cardiorespiratory fitness in young adults with a history of renal transplantation in childhood. Pediatric Nephrology, 2011, 26, 2041-2049.	0.9	7
47	Comparing several equations that predict peak VO2 using the 20-m multistage-shuttle run-test in 10-year-old children. European Journal of Applied Physiology, 2011, 111, 839-849.	1.2	28
48	Epidemiology of whole body, peripheral, and central adiposity in adolescents from a Brazilian state capital. European Journal of Pediatrics, 2011, 170, 1541-1550.	1.3	13
49	Effect of a 6-month school-based physical activity program on body composition and physical fitness in lean and obese schoolchildren. European Journal of Pediatrics, 2011, 170, 1435-1443.	1.3	64
50	Reduction in BMI z-score and improvement in cardiometabolic risk factors in obese children and adolescents. The Oslo Adiposity Intervention Study - a hospital/public health nurse combined treatment. BMC Pediatrics, 2011, 11, 47.	0.7	109
51	Changes in Cardiorespiratory Fitness Predict Changes in Body Composition from Childhood to Adolescence: Findings from the European Youth Heart Study. Physician and Sportsmedicine, 2011, 39, 78-86.	1.0	19
52	Inverse But Independent Trends in Obesity and Fitness Levels among Greek Children: A Time-Series Analysis from 1997 to 2007. Obesity Facts, 2011, 4, 165-174.	1.6	29
53	Recommended aerobic fitness level for metabolic health in children and adolescents: a study of diagnostic accuracy. Yearbook of Sports Medicine, 2012, 2012, 116-119.	0.0	0
54	Associations between cardiorespiratory fitness, physical activity and clustered cardiometabolic risk in children and adolescents: the HAPPY study. European Journal of Pediatrics, 2012, 171, 1317-1323.	1.3	68
55	Cardiac Rehabilitation Programs and Health-Related Quality of Life. State of the Art. Revista Espanola De Cardiologia (English Ed), 2012, 65, 72-79.	0.4	11
56	Programas de rehabilitaci3n cardiaca y calidad de vida relacionada con la salud. Situaci3n actual. Revista Espanola De Cardiologia, 2012, 65, 72-79.	0.6	33

#	ARTICLE	IF	CITATIONS
57	Correlation of cardiorespiratory fitness with risk factors for cardiovascular disease in children with type 1 diabetes mellitus. <i>Journal of Diabetes and Its Complications</i> , 2012, 26, 419-423.	1.2	8
58	Non-traditional markers of metabolic risk in prepubertal children with different levels of cardiorespiratory fitness. <i>Public Health Nutrition</i> , 2012, 15, 1827-1834.	1.1	14
59	Relationships Between Physical Activity and Health Measures in Preschool Children. <i>Paediatrics and Child Health</i> , 2012, 17, 25A-26A.	0.3	0
60	Physical Activity, Physical Fitness and Metabolic Syndrome. , 2012, , .		0
61	The PWC170: comparison of different stage lengths in 11-16-year olds. <i>European Journal of Applied Physiology</i> , 2012, 112, 1955-1961.	1.2	37
62	Aerobic fitness related to cardiovascular risk factors in young children. <i>European Journal of Pediatrics</i> , 2012, 171, 705-710.	1.3	28
63	The role of fitness in the association between fatness and cardiometabolic risk from childhood to adolescence. <i>Pediatric Diabetes</i> , 2013, 14, 57-65.	1.2	42
64	Cross sectional analysis of the association between mode of school transportation and physical fitness in children and adolescents. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2013, 10, 91.	2.0	54
65	Nutritional status, biological maturation and cardiorespiratory fitness in Azorean youth aged 11-15 years. <i>BMC Public Health</i> , 2013, 13, 495.	1.2	29
66	Physical activity intensity and surrogate markers for cardiovascular health in adolescents. <i>European Journal of Applied Physiology</i> , 2013, 113, 1213-1222.	1.2	28
67	Cardiorespiratory fitness predicts clustered cardiometabolic risk in 10-11.9-year-olds. <i>European Journal of Pediatrics</i> , 2013, 172, 913-918.	1.3	13
68	Motivation for physical activity in children: A moving matter in need for study. <i>Human Movement Science</i> , 2013, 32, 1097-1115.	0.6	25
69	Seasonal variation in objectively measured physical activity, sedentary time, cardio-respiratory fitness and sleep duration among 8-11-year-old Danish children: a repeated-measures study. <i>BMC Public Health</i> , 2013, 13, 808.	1.2	114
70	Association of physical activity to cardiovascular fitness and fatness in 12-13-year-old boys in different weight status. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2013, 21, 231-239.	0.8	12
71	Metabolic risk profile of schoolchildren and joint physical activity with an adult in the household: Multilevel analysis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, e56-64.	1.3	3
72	Effects of supervised exercise program on metabolic function in overweight adolescents. <i>World Journal of Pediatrics</i> , 2013, 9, 307-311.	0.8	12
73	Effects of Body Fat and Dominant Somatotype on Explosive Strength and Aerobic Capacity Trainability in Prepubescent Children. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 3233-3244.	1.0	18
74	Physical activity, fitness and the metabolic syndrome in rural youths from Mozambique. <i>Annals of Human Biology</i> , 2013, 40, 15-22.	0.4	11

#	ARTICLE	IF	CITATIONS
75	Independent and Combined Association of Muscle Strength and Cardiorespiratory Fitness in Youth With Insulin Resistance and β -Cell Function in Young Adulthood. <i>Diabetes Care</i> , 2013, 36, 2575-2581.	4.3	71
76	Physical activity intensity and subclinical atherosclerosis in Danish adolescents: The European Youth Heart Study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2013, 23, e168-77.	1.3	28
77	Associations between sports participation, levels of moderate to vigorous physical activity and cardiorespiratory fitness in children and adolescents. <i>Journal of Sports Sciences</i> , 2013, 31, 1359-1367.	1.0	47
78	Metabolic Syndrome and Daily Ambulation in Children, Adolescents, and Young Adults. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 163-169.	0.2	13
79	Fitness and Adiposity Are Independently Associated with Cardiometabolic Risk in Youth. <i>BioMed Research International</i> , 2013, 2013, 1-6.	0.9	15
80	Aerobic fitness after JDM—a long-term follow-up study. <i>Rheumatology</i> , 2013, 52, 287-295.	0.9	27
81	Validity of Equations for Estimating $\dot{V}O_{2peak}$ From the 20-m Shuttle Run Test in Adolescents Aged 11–13 Years. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 2774-2781.	1.0	23
82	Aerobic Fitness in Children and Young Adults with Primary Ciliary Dyskinesia. <i>PLoS ONE</i> , 2013, 8, e71409.	1.1	48
83	Screen Time Viewing Behaviors and Isometric Trunk Muscle Strength in Youth. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1975-1980.	0.2	6
84	Endurance, Explosive Power, and Muscle Strength in Relation to Body Mass Index and Physical Fitness in Greek Children Aged 7–10 Years. <i>Pediatric Exercise Science</i> , 2013, 25, 394-406.	0.5	31
85	Motor impairment and its relationship to fitness in children. <i>BMJ Open</i> , 2013, 3, e002909.	0.8	6
86	Physical Fitness Measures Among Adolescents With High and Low Motor Competence. <i>SAGE Open</i> , 2013, 3, 215824401350028.	0.8	10
87	Is There a Difference Between Active and Less Active Children and Adolescents in Jump Performance?. <i>Journal of Strength and Conditioning Research</i> , 2013, 27, 1591-1596.	1.0	17
88	Effects of a recreational physical activity and healthy habits orientation program, using an illustrated diary, on the cardiovascular risk profile of overweight and obese schoolchildren: a pilot study in a public school in Brasilia, Federal District, Brazil. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013, 6, 445.	1.1	16
89	Correlates of Cardiorespiratory and Muscular Fitness among Brazilian Adolescents. <i>American Journal of Health Behavior</i> , 2014, 38, 42-52.	0.6	16
90	Polychlorinated Biphenyl Exposure and Glucose Metabolism in 9-Year-Old Danish Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2643-E2651.	1.8	29
91	Assessing the health-related outcomes and correlates of active transportation in children and youth. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014, 39, 403-403.	0.9	5
92	Independent associations between cardiorespiratory fitness, waist circumference, BMI, and clustered cardiometabolic risk in adolescents. <i>American Journal of Human Biology</i> , 2014, 26, 29-35.	0.8	16

#	ARTICLE	IF	CITATIONS
93	Cardiovascular fitness and haemodynamic responses to maximal cycle ergometer exercise test in children 6â€“8 years of age. <i>Journal of Sports Sciences</i> , 2014, 32, 652-659.	1.0	27
94	Physical Fitness in Spanish Schoolchildren Aged 6â€“12 Years: Reference Values of the Battery <scp>EUROFIT</scp> and Associated Cardiovascular Risk. <i>Journal of School Health</i> , 2014, 84, 625-635.	0.8	51
95	Differentiating maturational influence on trainingâ€“induced strength and endurance adaptations in prepubescent children. <i>American Journal of Human Biology</i> , 2014, 26, 469-475.	0.8	10
96	Motor Competence and Physical Fitness in Adolescents. <i>Pediatric Physical Therapy</i> , 2014, 26, 69-74.	0.3	12
97	Independent association of clustered metabolic risk factors with cardiorespiratory fitness in youth aged 11â€“17 years. <i>Annals of Human Biology</i> , 2014, 41, 271-276.	0.4	29
98	Screen time, cardiorespiratory fitness and adiposity among school-age children from Monteria, Colombia. <i>Journal of Science and Medicine in Sport</i> , 2014, 17, 491-495.	0.6	37
99	Associations of objectively measured sedentary behavior, light activity, and markers of cardiometabolic health in young women. <i>European Journal of Applied Physiology</i> , 2014, 114, 907-919.	1.2	48
100	Six physical education lessons a week can reduce cardiovascular risk in school children aged 6â€“13 years: A longitudinal study. <i>Scandinavian Journal of Public Health</i> , 2014, 42, 128-136.	1.2	34
101	Physical activity, cardiorespiratory fitness, and clustered cardiometabolic risk in 10â€“to 12â€“yearâ€“old school children: The REACH Y6 study. <i>American Journal of Human Biology</i> , 2014, 26, 446-451.	0.8	49
102	Fitness, fatness, and academic performance in seventh-grade elementary school students. <i>BMC Pediatrics</i> , 2014, 14, 176.	0.7	50
103	Managing paediatric obesity: a multidisciplinary intervention including peers in the therapeutic process. <i>BMC Pediatrics</i> , 2014, 14, 89.	0.7	4
104	Associations of cardiorespiratory fitness with cardiovascular disease risk factors in middle-aged Chinese women: a cross-sectional study. <i>BMC Women's Health</i> , 2014, 14, 62.	0.8	11
105	Obesity as a Mediator of the Influence of Cardiorespiratory Fitness on Cardiometabolic Risk: A Mediation Analysis. <i>Diabetes Care</i> , 2014, 37, 855-862.	4.3	58
106	Strength and Body Weight in US Children and Adolescents. <i>Pediatrics</i> , 2014, 134, e782-e789.	1.0	95
108	Association of body mass index and aerobic physical fitness with cardiovascular risk factors in children* *Study conducted at School of Physical Education, Physical Therapy, and Occupational Therapy, Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil.. <i>Revista Paulista De Pediatria (English Edition)</i> , 2014, 32, 208-214.	0.3	0
109	Confiabilidade do teste de corrida/caminhada de 9 minutos em crianÃ§as e adolescentes de 7â€“12 anos de idade. <i>Revista Andaluza De Medicina Del Deporte</i> , 2015, 8, 150-154.	0.1	1
110	Aplicabilidad de 2 pruebas de campo de valoraciÃ³n de la eficiencia cardiorrespiratoria en personas adultas con sÃndrome de Down. <i>Revista MÃ©dica Internacional Sobre El SÃndrome De Down</i> , 2015, 19, 43-47.	0.1	1
111	Feasibility of 2 field-based cardiorespiratory function tests on adults with Down syndrome. <i>International Medical Review on Down Syndrome</i> , 2015, 19, 43-47.	0.3	1

#	ARTICLE	IF	CITATIONS
112	Construct validity and test-retest reliability of the International Fitness Scale (IFIS) in Spanish children aged 9-12 years. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2015, 25, 543-551.	1.3	48
113	Screen-based sedentary behavior and associations with functional strength in 6-15 year-old children in the United States. <i>BMC Public Health</i> , 2015, 16, 116.	1.2	38
114	Arm cranking versus wheelchair propulsion for testing aerobic fitness in children with spina bifida who are wheelchair dependent. <i>Journal of Rehabilitation Medicine</i> , 2015, 47, 432-437.	0.8	20
115	Effects of High-Intensity Training on Anaerobic and Aerobic Contributions to Total Energy Release During Repeated Supramaximal Exercise in Obese Adults. <i>Sports Medicine - Open</i> , 2015, 1, 36.	1.3	16
116	Linking cardiorespiratory fitness classification criteria to early subclinical atherosclerosis in children. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 386-392.	0.9	10
117	Developing indicators of public open space to promote health and wellbeing in communities. <i>Applied Geography</i> , 2015, 57, 112-119.	1.7	118
118	Relationships between Cardiorespiratory and Muscular Fitness with Cardiometabolic Risk in Adolescents. <i>Research in Sports Medicine</i> , 2015, 23, 227-239.	0.7	24
119	Overview of the Hungarian National Youth Fitness Study. <i>Research Quarterly for Exercise and Sport</i> , 2015, 86, S3-S12.	0.8	22
120	Obesity, fitness, and brain integrity in adolescence. <i>Appetite</i> , 2015, 93, 44-50.	1.8	38
121	Reliability of Two Field-Based Tests for Measuring Cardiorespiratory Fitness in Preschool Children. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 2874-2880.	1.0	23
122	An investigation into a contactless photoplethysmographic mobile application to record heart rate post-exercise: Implications for field testing. <i>Biomedical Human Kinetics</i> , 2015, 7, .	0.2	4
123	A prospective study of screen time in adolescence and depression symptoms in young adulthood. <i>Preventive Medicine</i> , 2015, 81, 108-113.	1.6	47
124	Exploring psychosocial correlates of physical activity among children and adolescents with spina bifida. <i>Disability and Health Journal</i> , 2015, 8, 123-129.	1.6	10
125	Measures of cardiorespiratory fitness in relation to measures of body size and composition among children. <i>Clinical Physiology and Functional Imaging</i> , 2015, 35, 469-477.	0.5	33
126	Muscle strength in youth and cardiovascular risk in young adulthood (the European Youth Heart) <i>Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 1</i>	3.1	97
127	Approaches in Physical Activity: From Basic to Applied Research. <i>BioMed Research International</i> , 2016, 2016, 1-4.	0.9	1
128	Childhood Muscular Fitness Phenotypes and Adult Metabolic Syndrome. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1715-1722.	0.2	64
129	Cardiovascular fitness, physical activity, and metabolic syndrome risk factors among adolescent estonian boys: A longitudinal study. <i>American Journal of Human Biology</i> , 2016, 28, 782-788.	0.8	20

#	ARTICLE	IF	CITATIONS
130	Longitudinal influence of musculo-skeletal injuries and extra physical education on physical fitness in schoolchildren. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 1470-1479.	1.3	2
131	Motor competence is associated with physical fitness in four- to six-year-old preschool children. <i>European Early Childhood Education Research Journal</i> , 2016, 24, 477-488.	1.2	14
132	Management of Moderate Hypertriglyceridemia in Childhood and Adolescence. <i>Current Cardiovascular Risk Reports</i> , 2016, 10, 1.	0.8	1
133	Utility of the hypertriglyceridemic waist phenotype in the cardiometabolic risk assessment of youth stratified by body mass index. <i>Pediatric Obesity</i> , 2016, 11, 292-298.	1.4	16
134	Cardiorespiratory fitness is related to metabolic risk independent of physical activity in boys but not girls from Southern Brazil. <i>American Journal of Human Biology</i> , 2016, 28, 534-538.	0.8	15
135	The association of cardiorespiratory fitness to health independent of adiposity depends upon its expression. <i>Annals of Human Biology</i> , 2016, 43, 229-234.	0.4	5
136	Physical fitness normative values for 6-18-year-old Greek boys and girls, using the empirical distribution and the lambda, mu, and sigma statistical method. <i>European Journal of Sport Science</i> , 2016, 16, 736-746.	1.4	34
137	Influence of physical fitness on cardio-metabolic risk factors in European children. The IDEFICS study. <i>International Journal of Obesity</i> , 2016, 40, 1119-1125.	1.6	74
138	Top 10 Research Questions Related to Physical Literacy. <i>Research Quarterly for Exercise and Sport</i> , 2016, 87, 28-35.	0.8	68
139	Relationship between physical activity, physical fitness and multiple metabolic risk in youths from Muzambinho's study. <i>European Journal of Sport Science</i> , 2016, 16, 618-623.	1.4	3
140	Obesity as a Mediator between Cardiorespiratory Fitness and Blood Pressure in Preschoolers. <i>Journal of Pediatrics</i> , 2017, 182, 114-119.e2.	0.9	26
141	Aerobic fitness and metabolic health in children: A clinical validation of directly measured maximal oxygen consumption versus performance measures as markers of health. <i>Preventive Medicine Reports</i> , 2017, 7, 74-76.	0.8	8
142	Cardiorespiratory fitness, but not physical activity, is associated with academic achievement in children and adolescents. <i>Annals of Human Biology</i> , 2017, 44, 309-315.	0.4	14
143	Trajectories of cardiorespiratory fitness in patients with juvenile dermatomyositis. <i>Rheumatology</i> , 2017, 56, 2204-2211.	0.9	6
144	Arterial stiffness is associated to cardiorespiratory fitness and body mass index in young Swedish adults: The Lifestyle, Biomarkers, and Atherosclerosis study. <i>European Journal of Preventive Cardiology</i> , 2017, 24, 1809-1818.	0.8	45
145	Cardiorespiratory fitness and physical function in children with cancer from diagnosis throughout treatment. <i>BMJ Open Sport and Exercise Medicine</i> , 2017, 3, e000179.	1.4	25
146	Association Between Handgrip Muscle Strength and Cardiometabolic z-Score in Children 6 to 19 Years of Age: Results from the Canadian Health Measures Survey. <i>Metabolic Syndrome and Related Disorders</i> , 2017, 15, 379-384.	0.5	19
147	Utility of three anthropometric indices in assessing the cardiometabolic risk profile in children. <i>American Journal of Human Biology</i> , 2017, 29, e22934.	0.8	5

#	ARTICLE	IF	CITATIONS
148	Relationship between Cardiorespiratory Fitness and Anthropometric Variables among School-going Adolescents in Nigeria. <i>Anthropologist</i> , 2017, 29, 65-72.	0.1	4
149	Longitudinal Changes in AbsoluteVO ₂ peak, Physical Activity Level, Body Mass Index, and Overweightness among Adolescents in Vocational and Non-Vocational Studies. <i>Frontiers in Public Health</i> , 2017, 5, 214.	1.3	1
151	Does Good Aerobic Capacity Attenuate the Effects of Aging on Cardiovascular Risk Factors? Results from a Cross-Sectional Study in a Latino Population. <i>International Journal of Endocrinology</i> , 2017, 2017, 1-7.	0.6	1
152	The Importance of Adolescentsâ€™ Participation in Organized Sport According to VO ₂ peak: A Longitudinal Study. <i>Research Quarterly for Exercise and Sport</i> , 2018, 89, 143-152.	0.8	13
153	The contribution of physical fitness to individual and ethnic differences in risk markers for type 2 diabetes in children: The Child Heart and Health Study in England (CHASE). <i>Pediatric Diabetes</i> , 2018, 19, 603-610.	1.2	9
154	Effectiveness of mother and daughter interventions targeting physical activity, fitness, nutrition and adiposity: A systematic review. <i>Preventive Medicine</i> , 2018, 111, 55-66.	1.6	10
155	Strong association between cardiorespiratory fitness and serum lipoprotein subclass pattern in prepubertal healthy children. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 220-227.	1.3	6
156	How does academic achievement relate to cardiorespiratory fitness, self-reported physical activity and objectively reported physical activity: a systematic review in children and adolescents aged 6â€“18 years. <i>British Journal of Sports Medicine</i> , 2018, 52, 1039-1039.	3.1	130
157	The Andersen aerobic fitness test: New peak oxygen consumption prediction equations in 10 and 16â€“year olds. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 862-872.	1.3	11
158	Individual calibration of accelerometers in children and their health-related implications. <i>Journal of Sports Sciences</i> , 2018, 36, 1340-1345.	1.0	6
159	A cross-sectional and prospective analyse of reallocating sedentary time to physical activity on childrenâ€™s cardiorespiratory fitness. <i>Journal of Sports Sciences</i> , 2018, 36, 1720-1726.	1.0	13
160	Low fitness is associated with metabolic risk independently of central adiposity in a cohort of 18â€“year-olds. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1084-1091.	1.3	8
161	The effect of a twoâ€“year schoolâ€“based daily physical activity intervention on a clustered <sc>CVD</sc> risk factor scoreâ€“The Sogndal schoolâ€“intervention study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 1027-1035.	1.3	17
162	The influence of cardiorespiratory fitness on clustered cardiovascular disease risk factors and the mediator role of body mass index in youth: The UP&DOWN Study. <i>Pediatric Diabetes</i> , 2019, 20, 32-40.	1.2	21
163	The role of body fat in the relationship of cardiorespiratory fitness with cardiovascular risk factors in Brazilian children. <i>Motriz Revista De Educacao Fisica</i> , 2018, 24, .	0.3	5
164	Does cardiorespiratory fitness moderate the prospective association between physical activity and cardiometabolic risk factors in children?. <i>International Journal of Obesity</i> , 2018, 42, 1029-1038.	1.6	16
165	Cardiorespiratory Fitness Attenuates the Obesity Risk in Chinese Children Who Have Parents with Overweight/Obesity. <i>Journal of Pediatrics</i> , 2018, 200, 150-154.e1.	0.9	2
166	Longitudinal Changes in Physical Activity Level, Body Mass Index, and Oxygen Uptake Among Norwegian Adolescents. <i>Frontiers in Public Health</i> , 2018, 6, 97.	1.3	16

#	ARTICLE	IF	CITATIONS
167	An Overview of Non-exercise Estimated Cardiorespiratory Fitness: Estimation Equations, Cross-Validation and Application. <i>Journal of Science in Sport and Exercise</i> , 2019, 1, 38-53.	0.4	25
168	Aptidão cardiorrespiratória em crianças e adolescentes. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2019, 20, 535-543.	0.5	1
169	Associations of Participation in Organized Sport and Self-Organized Physical Activity in Relation to Physical Activity Level Among Adolescents. <i>Frontiers in Public Health</i> , 2019, 7, 129.	1.3	12
170	Allometric scaling of aerobic fitness outputs in school-aged pubertal girls. <i>BMC Pediatrics</i> , 2019, 19, 96.	0.7	9
171	Exclusive Breastfeeding Is Favorably Associated with Physical Fitness in Children. <i>Breastfeeding Medicine</i> , 2019, 14, 390-397.	0.8	4
172	The Role of Energy Intake on Fitness-Adjusted Racial/Ethnic Differences in Central Adiposity Using Quantile Regression. <i>Journal of Racial and Ethnic Health Disparities</i> , 2019, 6, 292-300.	1.8	1
173	Cardiorespiratory Fitness in Healthy People: A Step Forward to Primary Cardiovascular Health Promotion. <i>American Journal of Medicine</i> , 2019, 132, e564.	0.6	0
174	Physical activity level objectively measured by accelerometry in children undergoing cancer treatment at home and in a hospital setting: A pilot study. <i>Pediatric Hematology Oncology Journal</i> , 2019, 4, 82-88.	0.1	7
175	Fitness effects of one-year soccer training of 8-10 and 10-12-year-old school children. <i>Journal of Sports Medicine and Physical Fitness</i> , 2019, 59, 725-732.	0.4	9
176	Aerobic fitness thresholds to define poor cardiometabolic health in children and youth. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 240-250.	1.3	10
177	Association of cardiorespiratory fitness levels with dietary habits and lifestyle factors in schoolchildren. <i>Applied Physiology, Nutrition and Metabolism</i> , 2019, 44, 539-545.	0.9	23
178	Independent and Combined Effects of Weight Status and Maturation on Aerobic Fitness in Adolescent School-Aged Males. <i>Journal of Strength and Conditioning Research</i> , 2020, 34, 2663-2671.	1.0	2
179	Modeling the dose-response rate/associations between VO2max and self-reported Physical Activity Questionnaire in children and adolescents. <i>Journal of Sport and Health Science</i> , 2020, 9, 90-95.	3.3	9
180	Physical fitness of children and adolescents with moderate to severe intellectual disabilities. <i>Disability and Rehabilitation</i> , 2020, 42, 2542-2552.	0.9	40
181	“It’s fun in the legs”: children dwelling in garden trampolines. <i>Children's Geographies</i> , 2020, 18, 312-324.	1.6	1
182	Testing validity of FitnessGram in two samples of US adolescents (12-15 years). <i>Journal of Exercise Science and Fitness</i> , 2020, 18, 129-135.	0.8	5
183	The effect of a school-based intervention on physical activity, cardiorespiratory fitness and muscle strength: the School in Motion cluster randomized trial. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2020, 17, 154.	2.0	20
184	Neighborhood Socioeconomic Deprivation Associated with Fat Mass and Weight Status in Youth. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6421.	1.2	7

#	ARTICLE	IF	CITATIONS
185	Cardiorespiratory Fitness Is Associated With Drop Out From Sport in Norwegian Adolescents. A Longitudinal Study. <i>Frontiers in Public Health</i> , 2020, 8, 502307.	1.3	3
186	Cardiovascular adaptations after 10 months of daily 12-min bouts of intense school-based physical training for 8-10-year-old children. <i>Progress in Cardiovascular Diseases</i> , 2020, 63, 813-817.	1.6	12
187	Predictive Ability of Waist Circumference and Waist-to-Height Ratio for Cardiometabolic Risk Screening among Spanish Children. <i>Nutrients</i> , 2020, 12, 415.	1.7	18
188	Effect modification by cardiorespiratory fitness on the association between physical activity and cardiometabolic health in youth: A systematic review. <i>Journal of Sports Sciences</i> , 2021, 39, 845-853.	1.0	4
189	Cross-sectional and prospective associations between aerobic fitness and lipoprotein particle profile in a cohort of Norwegian schoolchildren. <i>Atherosclerosis</i> , 2021, 321, 21-29.	0.4	4
190	Sedentary Time, Physical Activity Levels and Physical Fitness in Adults with Intellectual Disabilities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5033.	1.2	9
191	Cardiorespiratory fitness and physical performance after childhood hematopoietic stem cell transplantation: a systematic review and meta-analysis. <i>Bone Marrow Transplantation</i> , 2021, 56, 2063-2078.	1.3	10
192	Handgrip strength cut-off points for early detection of cardiometabolic risk in Chilean children. <i>European Journal of Pediatrics</i> , 2021, 180, 3483-3489.	1.3	6
193	Maternal Education Level but not Physical Activity in Pregnancy was Associated with Fitness and Fatness in Childhood. <i>Journal of Physical Activity Research</i> , 2021, 6, 93-100.	0.2	0
194	Novel standing desk intervention in Japanese elementary education: mixed-methods evidence for health and pedagogical impacts. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2021, 10, 273-282.	0.2	0
196	Physical Activity as a Factor in Growth and Maturation. , 2012, , 375-396.		4
197	Cardiopulmonary Exercise Test Using Arm Ergometry in Children With Spina Bifida: A Prediction Model for VO ₂ peak. <i>Pediatric Physical Therapy</i> , 2019, 31, 185-190.	0.3	2
198	Cardiorespiratory Fitness Is Associated with Hard and Light Intensity Physical Activity but Not Time Spent Sedentary in 10-14 Year Old Schoolchildren: The HAPPY Study. <i>PLoS ONE</i> , 2013, 8, e61073.	1.1	40
199	The Andersen Aerobic Fitness Test: Reliability and Validity in 10-Year-Old Children. <i>PLoS ONE</i> , 2014, 9, e110492.	1.1	39
200	A Comparison between BMI, Waist Circumference, and Waist-To-Height Ratio for Identifying Cardio-Metabolic Risk in Children and Adolescents. <i>PLoS ONE</i> , 2016, 11, e0149351.	1.1	117
201	Motor Skill Development in Italian Pre-School Children Induced by Structured Activities in a Specific Playground. <i>PLoS ONE</i> , 2016, 11, e0160244.	1.1	27
202	Health Behavior and Metabolic Risk Factors Associated with Normal Weight Obesity in Adolescents. <i>PLoS ONE</i> , 2016, 11, e0161451.	1.1	43
203	Concordância entre duas classificações para a aptidão cardiorrespiratória em crianças. <i>Revista Paulista De Pediatria</i> , 2012, 30, 404-408.	0.4	3

#	ARTICLE	IF	CITATIONS
204	Complementary Role of Herbal Medicine and Exercise in Cardiovascular Disease Prevention and Management: A Review of Evidence. <i>Current Pharmaceutical Design</i> , 2017, 23, 1253-1264.	0.9	7
205	Efficacy of Ashwagandha (<i>Withania somnifera</i> [L.] Dunal) in improving cardiorespiratory endurance in healthy athletic adults. <i>AYU: an International Quarterly Journal of Research in Ayurveda</i> , 2015, 36, 63.	0.3	40
206	Impact of high-intensity interval training on HbA1c in patients with type 2 diabetes mellitus. <i>Bulletin of Faculty of Physical Therapy</i> , 2015, 20, 168-175.	0.2	4
207	Selected anthropometric variables and aerobic fitness as predictors of cardiovascular disease risk in children. <i>Biology of Sport</i> , 2015, 32, 255-260.	1.7	13
208	Aerobics, Quality of Life, and Physiological Indicators of Inactive Male Studentsâ€™ Cardiovascular Endurances, in Kashan. <i>Nursing and Midwifery Studies</i> , 2014, 3, .	0.7	1
209	Combined associations of cardiorespiratory fitness and grip strength with non-high-density lipoprotein cholesterol concentrations among Japanese children and adolescents. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2020, 9, 135-142.	0.2	3
210	Association of Vitamin D Supplementation in Cardiorespiratory Fitness and Muscle Strength in Adult Twins: A Randomized Controlled Trial. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2021, , 1-6.	1.0	3
211	Reliability and Validity of Heart Rate Monitors Bodypro_PAPS(DS100) by using wireless communication.. <i>The Korean Journal of Measurement and Evaluation in Physical Education and Sports Science</i> , 2011, 13, 85-93.	0.2	0
212	Aerobics, Quality of Life, and Physiological Indicators of Inactive Male Studentsâ€™ Cardiovascular Endurances, in Kashan. <i>Nursing and Midwifery Studies</i> , 2014, 3, .	0.7	1
213	Fitness, Fatness, and Academic Performance in Seventh-Grade Elementary School Students. , 2014, , 201-218.		0
214	EDUCAÃ§Ã£o FÍSICA NO CURRÍCULO ESCOLAR: PARA QUE SERVE? QUE OPÃ§ÃÕES EXISTEM? O QUE QUEREMOS ESCOLHER?. <i>Fiep Bulletin - Online</i> , 2015, 85, 1044-1060.	0.0	0
216	AptidÃ£o fÃsica relacionada Ã saÃde de escolares com idade de 7 a 10 anos. <i>ABCS Health Sciences</i> , 2016, 41, .	0.3	3
217	Efectos de un programa de promociÃ³n de actividad fÃsica sobre el fitness de mujeres adolescentes de dos colegios de BogotÃ¡, D.C.. <i>Revista Facultad De Medicina</i> , 2016, 64, 31.	0.0	0
218	Relations between Physical Activity, Fitness, Muscle Strength and Health: Findings from the European Youth Heart Study (EYHS). <i>Baltic Journal of Sport & Health Sciences</i> , 2018, 2, .	0.1	1
219	Design and Validation of Non-Exercise Equations for Estimation of Aerobic Capacity in Iranian Boys. <i>Journal of Ergonomics</i> , 2020, 8, 50-60.	0.2	1
220	Associations of Maternal Prepregnancy Body Mass Index and Gestational Weight Gain With Physical Fitness in Childhood. <i>Pediatric Exercise Science</i> , 2020, 32, 165-171.	0.5	2
222	Aerobics, quality of life, and physiological indicators of inactive male students' cardiovascular endurances, in kashan. <i>Nursing and Midwifery Studies</i> , 2014, 3, e10911.	0.7	0
224	The Predictability of Peak Oxygen Consumption Using Submaximal Ratings of Perceived Exertion in Adolescents. <i>International Journal of Exercise Science</i> , 2018, 11, 1173-1183.	0.5	2

#	ARTICLE	IF	CITATIONS
225	Influence of adiposity and physical activity on the cardiometabolic association pattern of lipoprotein subclasses to aerobic fitness in prepubertal children. PLoS ONE, 2021, 16, e0259901.	1.1	2
226	Comparison of VO ₂ peak from the Progressive Aerobic Cardiovascular Endurance Run (PACER) and treadmill in children. Journal of Exercise Science and Fitness, 2022, 20, 84-89.	0.8	4
227	The effect of school year and summer break in health-related cardiorespiratory fitness: A 2-year longitudinal analysis. Journal of Sports Sciences, 2022, 40, 1175-1182.	1.0	2
232	Investigating the mediating role of internalizing and externalizing problems on physical fitness in children at risk for Developmental Coordination Disorder. Applied Physiology, Nutrition and Metabolism, 2022, 47, 575-581.	0.9	0
233	The Role of Cardiorespiratory Fitness in Children with Cardiovascular Risk. , 0, , .		0
234	Struggling to Enable Physical Activity for Children with Disabilities: A Narrative Model of Parental Roles. Scandinavian Journal of Disability Research, 2022, 24, 196-209.	1.1	0
235	Clustered cardiovascular disease risk among children aged 8â€“13 years from lower socioeconomic schools in Gqeberha, South Africa. BMJ Open Sport and Exercise Medicine, 2022, 8, e001336.	1.4	0
236	Schoolâ€™s outdoor area as an educational and health-promoting resource for young teenagers. Frontiers in Education, 0, 7, .	1.2	0
237	Increase in peak oxygen uptake and Andersen test performance in children from age six to ten: The Health Oriented Pedagogical Project (HOPP). Frontiers in Physiology, 0, 13, .	1.3	0
238	Secular trends in 20â€™m shuttle run test performance of 14â€™to 15â€™yearâ€™old adolescents from 1995 to 2020. Scandinavian Journal of Medicine and Science in Sports, 0, , .	1.3	2
239	Early Prediction in Classification of Cardiovascular Diseases with Machine Learning, Neuro-Fuzzy and Statistical Methods. Biology, 2023, 12, 117.	1.3	14
240	Efecto de una intervenciÃ³n con ejercicio fÃsico y orientaciÃ³n nutricional sobre componentes del sÃndrome metabÃlico en jÃvenes con exceso de peso. Iatreia, 2013, 26, .	0.1	3
242	Promoting Cardiorespiratory Fitness in Young People: The Importance of the School Context. , 0, , .		1