Physical Activity Assessment at Work

Measures of Physical Activity







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Measure	Validated questions	[measurement]	Recommendations							
Aerobic Physical Activity	"On average, how many days per week do you engage in moderate to strenuous exercise?" These are activities that cause a light or heavy sweat, such as walking fast, running, jogging, dancing, swimming, biking. "On average, how many minutes	[days] [minutes]	≥ 150–300 min. of moderate-intensity aerobic physical activity OR ≥ 75–150 min. of vigorous-intensity aerobic physical activity OR equivalent combination of moderate and vigorous-intensity activity							
	do you engage in exercise at this level?"	[days x minutes]		throughout the week						
Muscle Strength	"During the past month, how many times per week did you do physical activities or exercises to STRENGTHEN your muscles?" Count activities using your own body weight, such as sit-ups or push -ups, and those using weight machines, free weights, or elastic bands. DO NOT count aerobic activities such as walking or running.	[days/week]	≥ 2 days a week of muscle-strengthening activities at moderate or greater intensity that involve all major muscle groups							
Sedentary Behavior	"How much time do you usually spend sitting on a typical day?" This question is about sitting at work, home, getting to and getting from places, including time spent sitting at a desk, traveling in a car or bus, reading, playing cards, watching television, or using a computer. DO NOT include time spent sleeping.	[minutes or hours/ day]	 ✓ Limit sedentary time ✓ Replace sedentary time with physical activity of any intensity ✓ Aim to do more than the recommended levels of moderate- to vigorous-intensity physical activity 							
Cardio- respiratory Fitness*	Males: 100.27 – (0.296 x age) – (0.369 x waist circumference) heart rate) + (0.226 x Physical Activity Index)	– (0.155 x resting	Untaka Narma far				65+ >37			
	Females: 74.74 – (0.247 x age) – (0.259 x waist circumference) – rate) + (0.198 x Physical Activity Index)	(0.114 x resting heart		Above Average Average	47-51 42-46 37-41	42-48 40-42 35-39	39-42 35-38 31-34	36-38 32-35 29-31	32-35 30-31	29-32 26-28 22-25
	Physical Activity Index score = sum of responses [(A+B+C)]	[never or < 1/week = 0 1/week = 1		Poor Very Poor	30-36 <30	30-34 <30	26-30 <26	25-28 <25	22-25 <22	20-21 <20
	A. How frequently do you exercise?	2-3 times a week = 2 almost every day = 3]	Maximal Oxygen Uptake Norms for <u>Women</u> (ml/kg/min)	RATING AGE	18-25	26-35	36-45	46-55	56-65	65+
	B. How hard do you push yourself?C. How long does each session last?	[take it easy = 0 heavy breath and sweat = 5 push near exhaustion = 10] [≤ 15 minutes = 1		Excellent Good	>56 47-56	>52 45-52	>45 38-45	>40 34-40	>37 32-37	>32
				Above Average Average	42-46 38-41	39-44 35-38	34-37 31-33	31-33 28-30	28-31 25-27	25-27 22-24
		16-30 minutes = 1.5 > 1 hour = 1.5]		Below Average Poor	33-37 28-32	31-34 26-30	27-30 22-26	25-27 20-24	22-27 18-21	19-21 17-18
	*A validated predictive equation may be most easily used in worksite settings, unless	employers have		Very Poor	<28	<26	<22	<20	<18	<17

established relationships with universities/clinics that can conduct the cardiometabolic testing.