

Supplementary material to article by A. K. Ramachandran et al. "Effects of muscle strengthening and cardiovascular fitness activities for poliomyelitis survivors: A systematic review and meta-analysis"

Table SIII. Study outcome variables according to International Classification of Functioning, Disability and Health (ICF) domain and code

Study	ICF domain	Code	Associated outcome variables
Agre et al. 1997 (44)	Muscle function; lower motor	B730: Muscle Power Functions	Knee extensor/flexor isokinetic torque Knee extensor/flexor total work Knee extensor isometric maximum voluntary contraction Knee flexor endurance time
Agre 1996 et al. (45)	Muscle function; lower motor	B730: Muscle Power Functions	Knee extensor/flexor isokinetic torque Knee extensor/flexor total work Knee extensor isometric maximum voluntary contraction Knee flexor endurance time
Bertelsen et al. 2009 (28)	Activity	D450: Walking	6-min walk test Timed sit to stand test
Brogardh et al. 2010 (46)	Muscle function Activity	B730: Muscle Power Functions B770: Gait pattern function D450: Walking	Knee extensor/flexor isokinetic torque Knee extensor isometric maximum voluntary contraction Timed Up and Go test 6-min walk test
Chan et al. 2003 (33)	Muscle function; lower motor	B730: Muscle Power Functions	Thumb maximum voluntary contraction Motor unit number Surface detected motor unit action potential.
Da Silva et al. 2019 (37)	Muscle function Body function; mental and sensory Activity	B2802: Sensation of pain B4550: General physical endurance D450: Walking	10-metre walk test 2-min walk test Body pain index interference Body pain index severity Pittsburgh Sleep Quality Index Fatigue Severity Scale Sit to stand
Davidson et al. 2009 (29)	Muscle function; lower motor Activity Mobility	B730: Muscle Power Functions B7402: Endurance of all muscles of the body D410: Changing body position	Grip strength of dominant hand 10m shuttle walk test Hospital Anxiety and Depression Scale Illness Perception Questionnaire
Dean et al. 1991 (25)	Muscle function; lower motor Muscle function; cardiovascular Body function; mental and sensory	B4100: Heart rate B455: Exercise Tolerance Functions	Movement economy index Cardiorespiratory conditioning index Max heart rate Aerobic capacity VO2
Einarsson 1991 (35)	Muscle function; lower motor Activity	B4550: General physical endurance B730: Muscle Power Functions	Isometric flexion Isometric extension strength Isokinetic flexion strength Isokinetic extension strength Fatigue index Muscle biopsy
Ernstoff et al. 1996 (30)	Muscle function; lower motor Muscle function; cardiovascular Activity	B4100: Heart rate B730: Muscle Power Functions B4550: General physical endurance	Isokinetic concentric strength Isometric knee flexion Fatigue index Heart rate
Fillyaw et al. 1991 (36)	Muscle function; lower motor Muscle function; cardiovascular	B730: Muscle Power Functions B7402: Endurance of all muscles of the body	Maximum isometric torque Endurance integral
Jones et al. 1989 (47)	Muscle function; lower motor Muscle function; cardiovascular	B4100: Heart rate B420: Blood Pressure B4401: Respiratory rhythm B455: Exercise Tolerance Functions B4551: Aerobic Capacity	Resting heart rate Maximal heart rate Resting systolic blood pressure/Resting diastolic blood pressure Maximum systolic blood pressure/Maximum diastolic blood pressure Watts Exercise time Maximum expired volume, Maximum oxygen consumption Maximum carbon dioxide consumption Respiratory exchange ratio
Koopman et al. 2016 (3)	Muscle function; lower motor Muscle function; cardiovascular Body function; mental and sensory Participation	B134: Sleep functions B2802: Pain B730: Muscle power functions D450: Walking D455: Moving around	Fatigue assessed using 8-item subscale CIS20-F Sickness impact profile (SIP-68) Mobility control Social behaviour Mobility range Health Related Quality of Life (Short-form 36 (SF-36); Physical component summary, Mental component Summary 26). Pain Total mood disturbance Sleep disturbances Illness cognitions Coping General self -efficacy. Submaximal heart rate during exercise Maximal isokinetic voluntary torque of quadriceps muscles Timed Up and Go test 2-Min Walk test Actual daily physical activity level

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Table SIII. Cont.

Study	ICF domain	Code	Associated outcome variables
Kriz et al. 1992 (26)	Muscle function; upper motor Muscle function; cardiovascular	B4100: Heart Rate	Resting heart rate
		B420: Blood pressure function	Max heart rate,
		B4401: Respiratory rhythm	Resting Blood Pressure
		B455: Exercise tolerance functions	Post exercise blood pressure VO ₂ max Min ventilation Respiratory exchange rate Respiratory rate
Murray et al. 2017 (4)	Muscle function; upper motor Body function; mental and sensory	B455: Exercise tolerance functions	Six-min Arm Test
		B4550: General physical endurance	Fatigue Severity Scale Physical Activity Scale for Individuals with Physical Disabilities
Oncu et al. 2009 (48)	Body function; mental and sensory Activity	B4100: Heart rate	Fatigue severity scale/Fatigue intensity scale
		B455: Exercise tolerance functions	Quality of life
		B4550: General physical endurance	Heart rate/Rhythm Max oxygen consumption (VO ₂) Carbon dioxide production (VCO ₂)
Sharma et al. 2014 (32)	Body function; mental and sensory Activity Participation	B4550: General physical endurance	Fatigue severity scale 2-min walking distance
		D450: Walking	Patient-reported outcome measurement information system (PROMIS)
			Patient Health Questionnaire (PHQ-9)
Skough et al. 2008 (38)	Muscle function; lower motor Activity	B730: Muscle Power Functions	Sit stand sit
		D410: Changing basic body position	Timed Up and Go test 6-min walk test
		D450: Walking	Muscle strength measurement by means of dynamic dynamometer Short-Form-36 questionnaire.
Spector et al. 1996 (39)	Muscle function; lower motor Muscle function; upper motor	B4550: General physical endurance	Fatigue Severity Scale
		B730: Muscle Power Functions	Isometric and dynamic strength MRI Biopsies
			Muscle endurance
Voorn et al. 2016 (49)	Muscle function; lower motor Muscle function; cardiovascular	B4401: Respiratory Rhythm	Muscle strength maximum voluntary contraction
		B455: Exercise tolerance functions	Resting heart rate
		B4550: General physical endurance	Oxygen consumption at the anaerobic threshold
		B730: Muscle Power Functions	Submaximal VO ₂ Submaximal respiratory exchange rate Submaximal rating of perceived exertion
Willen et al. 2001 (8)	Muscle function; lower motor Muscle function; cardiovascular	B4100: Heart rate	Peak load
		B455: Exercise tolerance functions	Peak oxygen uptake
		B4550: General physical endurance	Peak heart rate
		B755: Involuntary movement reaction functions	Berg Balance Scale Visual analogue scale Pain scale
			Physical Activity Scale for the Elderly Nottingham Health Profile (NHP).

VO₂: oxygen consumption.