

Objective Measures for Upper Limb Amputations

This is a list of objective measures that are being utilised globally for upper limb amputations. It highlights the extensive range that is being used and demonstrates the gap in consensus and development for specific tests for upper limb amputations.

As the research develops, this document will be updated. Please contact IC2A if you have other tests to include.

Upper Limb Amputation Phase	Type of Assessment	Example of Objective Measure Test
Pre-amputation Phase	Present health status	<ul style="list-style-type: none"> • SF-12 • World Health Organization Quality of Life Brief version (WHOQOL-BREF)
	Level of function	<ul style="list-style-type: none"> • Disability of the arm, shoulder and hand questionnaire (DASH) • Patient-Specific Function Scale (PSFS) • PROMIS-UE • QuickDASH • Upper Extremity Functional Index (UEFI) • Upper Extremity Function Test (UEFT)
	Modifiable / controllable health risk factors	
	Pain assessment	<ul style="list-style-type: none"> • Pain scale (0-10) • Orebro Musculoskeletal Pain Questionnaire (OMPQ)
	Cognition and behavioural health	
	Personal, family, social and cultural context	
	Learning assessment	
	Motivational assessment (determining if individual is mentally prepared for training and rehabilitation)	

	Non-affected limb and trunk assessment	<ul style="list-style-type: none"> • ABILHAND Assessment • Box and Block Test • Jebsen-Taylor Hand Function Test (JTHFT) • Purdue Pegboard Test
	One handed preparedness	<ul style="list-style-type: none"> • Jebsen-Taylor Hand Function Test (JTHFT) • Purdue Pegboard Test
	Prosthetic assessment (if applicable) Vocational assessment	
	Peer support availability	
Amputation Phase		
Initial Post Amputation Phase	Residual limb assessment (and onehanded preparedness)	<ul style="list-style-type: none"> • ABILHAND Assessment • Patient-Specific Functional Scale (PSFS)
Pre-Prosthetic Phase	ADL assessment and function	<ul style="list-style-type: none"> • ABILHAND Assessment • Jebsen-Taylor Hand Function Test (JTHFT) • Orthotics and Prosthetics User's Survey (OPUS) • Patient-Specific Function Scale (PSFS) • PROMIS-UE • QuickDASH
	Manual dexterity	<ul style="list-style-type: none"> • Box and Block Test (BBT) • Purdue Pegboard Test
Prosthetic Training Phase	ADL assessment and function	<ul style="list-style-type: none"> • ABILHAND Assessment • Jebsen-Taylor Hand Function Test (JTHFT) • Orthotics and Prosthetics User's Survey (OPUS) • Patient-Specific Function Scale (PSFS) • PROMIS-UE • Prosthetic Upper Extremity Functional Index (PUFI) • QuickDASH
	Manual dexterity	<ul style="list-style-type: none"> • Box and Block Test (BBT) • Purdue Pegboard Test

	Use of prosthesis	<ul style="list-style-type: none"> • Activities Measure for Upper Limb Amputees (AM-ULA) • Brief Activity Measure Upper Limb (BAM-ULA) • Capacity Assessment of Prosthetic Performance for the Upper Limb (CAPPFUL) • Prosthesis Index of Functionality (P-IOF) • Southampton Hand Assessment Protocol (SHAP) • Timed Measure of Activity Performance (T-MAP) • University of New Brunswick test of Prosthesis Function (UNB)
Lifelong Care	Many of the above tests will be revisited throughout the service user's life to reassess function, changes in prosthesis, changes post surgery etc.	



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