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| **Table Of Outcome Measures Used in Constraint Induced Movement and Bimanual Intensive Training Research** | | | | | | | |
| **Outcome Measure** | **Purpose** | **Time to administer** | **Reliable** | **Valid** | **Special training** | **Cost** | **How to Obtain** |
| **Assisting Hand Assessment (AHA)** | Test of hand function in children 18 mos to 12 yo with difficulties using one of their hands. The AHA measures how effectively the affected hand and arm is used in bimanual performance. | 15 minutes | Yes | Yes | Yes-3 day training with a test which must be passed | Estimated at > $1000 including training and testing supplies | www.ahanetwork.se |
| **Melbourne Assessment of Unilateral Upper Limb Function (MUUL)**  **Now MA2 (updated version)** | Measures unilateral upper-extremity  quality of movement in children from 2.5 to 15 years of age in 4 areas: movement range, accuracy, dexterity and fluency. It comprises reaching, grasping, releasing and manipulating simple objects. | 45-60 minutes estimated as test must be videotaped, then scored | Yes | Yes | No | $940 | [www.rch.org.au/](http://www.rch.org.au/)  melbourneassessment |
| **Jebsen-Taylor Test of Hand Function (JTTHF)** | Assesses a broad range of uni-manual hand functions required for activities of daily living (ADLs) ages 6 -65+yo | 15 minutes | yes | Not reported | no | $450 | [www.allegromedical](http://www.allegromedical). com |
| **Pediatric Evaluation of Disability Inventory (PEDI)** | Assess self- care, mobility and social functioning in children aged 6 month to 7 yo | 45-60 minutes | Yes | Yes | No | Manual: $126  Forms: $46 | www.pearsonclinical.com/ |
| **Canadian Occupational Performance Measure (COPM)** | Measure is designed to detect change in a client's self-perception of occupational performance over time. Used on children >8 yo | 20-40 minutes | Yes | Yes | Read manual | $50 for e-manual and 100 forms | https://www.caot.ca/ |
| **Besta Scale** | Measures grasp, spontaneous use in play and activities of daily living, and qualitative use of the involved hand in feeding and dressing (age range unreported) | 15 minutes  (my estimate as no data available) | Not reported | Not reported | No | Free | See reference below for copy of test.1 |
| **The Quality of Upper Extremity Skills Test (QUEST)** | Evaluates quality of upper extremity function in four domains: dissociated movement, grasp, protective extension, and weight bearing for ages 18mos to 8 yo | 30-45 minutes | Yes | Yes | No | Free | [www.canchild.ca/en/measures](http://www.canchild.ca/en/measures)/  quest.asp |

1. Fedrizzi E, Rosa-Rizzotto M, Turconi AC, et al. Unimanual and bimanual intensive training in children with hemiplegic cerebral palsy and persistence in time of hand function improvement: 6-month follow-up results of a multisite clinical trial. *J Child Neurol*. 2013;28(2):161-175.