**TBI Edge Outcome Measures Taskforce**

|  |
| --- |
| **Instrument name:** High Level Mobility Assessment (HiMAT) |
| **Reviewer:** Irene Ward, PT, DPT, NCS | **Date of review:** May 25, 2012 |
| **ICF domain (check all that apply):**\_\_\_\_\_ Body function/structure \_\_\_x\_\_ Activity \_\_\_\_\_ Participation  |

|  |
| --- |
| **Construct/s measured (check all that apply):** |
| **Body structure and Function** | **Activity** | **Participation** |
| \_\_\_Aerobic capacity/endurance\_\_\_Ataxia \_\_\_Cardiovascular/pulmonary status \_\_\_Cognition\_\_\_Coordination (non-equilibrium)\_\_\_Dizziness \_\_\_Dual Tasks\_\_\_Fatigue\_\_\_Flexibility \_\_\_Muscle performance\_\_\_Muscle tone / spasticity \_\_\_Pain \_\_\_Sensory integration \_\_\_Somatosensation\_\_\_Other: trunk control | \_\_\_Balance/falls\_\_\_Bed mobility\_\_\_Gait (include stairs)\_x\_\_High Level mobility\_\_\_Transfers\_\_\_Wheelchair skills\_\_\_Other: | \_\_\_Community function\_\_\_Driving\_\_\_Health and wellness \_\_\_Home management\_\_\_Leisure/Recreational activities\_\_\_Life satisfaction\_\_\_Quality of life\_\_\_Reintegration to community\_\_\_Role function\_\_\_Shopping\_\_\_Social function\_\_\_Work\_\_\_Other: |

|  |  |
| --- | --- |
|  | **Recommendation Categories** |
| **Practice Setting** | **4** | **3** | **2** | **1** | **Comments** |
| Acute/ED |  |  | **x** |  | Not tested in patients with acute TBI, but shown to have excellent psychometric data for patients with chronic TBI. |
| In-Patient Rehab |  |  | **x** |  |
| Outpatient (day. rehab, Transitional living) | **x** |  |  |  |  |
| LTAC/SNF | **x** |  |  |  |  |
| Home Health | **x** |  |  |  |  |
| **Overall Comments:** | * Excellent clinical utility. Requires approximately 10 minutes to administer. Specific items are required for testing procedure.
 |
| **Ambulatory Status** | **4** | **3** | **2** | **1** | **N/A\*** | **Comments (Include recommendations based on cognitive status)** |
| I-Complete Independence | x |  |  |  |  |  |
| II-Mild dependence | x |  |  |  |  | **Appropriate for individuals requiring only supervision, but not appropriate for patients requiring a gait aid.** |
| III-Moderate dependence |  |  |  |  | x | **Not appropriate for patients requiring continuous manual assistance.**  |
| IV-Severe dependence |  |  |  |  | x | **Not appropriate if patient is non-ambulatory or requires more than one person to assist with ambulation.** |
| \*Not applicable: Outcome measure not related to ambulation status |
| **Overall Comments:** |  |  Not appropriate for use individuals with a disorder of consciousness. Not recommended for those who are unable to follow multi-step commands.  |
| **Entry-Level Criteria** |  | **Students should learn to administer tool** | **Students should be exposed to tool (e.g. to read literature)** | **Comments** |
| Should this tool be required for entry level curricula?  |  | **YES** | **NO** | **YES** | **NO** |  |
|  | x |  | x |  |
| **Research Use** |  | **YES** | **NO** | **Comments** |
| Is this tool appropriate for use in intervention research studies? |  | x |  |  |
| Additional information on this measure can be found at [www.rehabmeasures.org](http://www.rehabmeasures.org)  |

References:

Williams, G., Robertson, V., et al. (2005). "The high-level mobility assessment tool (HiMAT) for traumatic brain injury. Part 1: Item generation." Brain Inj 19(11): 925-932. [Find it on PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16243748%22%20%5Ct%20%22_blank)

Williams, G., Robertson, V., et al. (2006). "The concurrent validity and responsiveness of the high-level mobility assessment tool for measuring the mobility limitations of people with traumatic brain injury." Arch Phys Med Rehabil 87(3): 437-442. [Find it on PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16500181%22%20%5Ct%20%22_blank)

Williams, G. P., Greenwood, K. M., et al. (2006). "High-Level Mobility Assessment Tool (HiMAT): interrater reliability, retest reliability, and internal consistency." Phys Ther 86(3): 395-400. [Find it on PubMed](http://www.ncbi.nlm.nih.gov/pubmed/16506875%22%20%5Ct%20%22_blank)

Williams, G. P. and Morris, M. E. (2009). "High-level mobility outcomes following acquired brain injury: a preliminary evaluation." Brain Inj 23(4): 307-312. [Find it on PubMed](http://www.ncbi.nlm.nih.gov/pubmed/19330594%22%20%5Ct%20%22_blank)