

Outcome Measure	Wechsler Memory Scale-IV – Logical Memory subtest
Sensitivity to Change	Yes
Population	Adult
Domain	Neuropsychological Impairment
Type of Measure	Objective test
ICF-Code/s	b1
Description	<p>Logical Memory is a subtest from the Wechsler Memory Scale IV that comprises part of the Auditory Memory Index. It is also present in earlier versions (revised and III). Individuals are read a short prose passage and asked to recall as many details as possible both immediately and after a 25-35 minute interval. A yes/no recognition test follows the delay.</p> <p>This test takes approximately 5 minutes to administer (however sufficient time must be available to include the delay).</p>
Properties	<p><u>Internal Consistency</u>: The technical manual states that internal consistency in a sample of adults aged 16-69 was .82 for LM I and .85 for LM II. For a group of 32 adults with moderate to severe TBI, internal consistency was .88 for LM I and .93 for LM II.</p> <p><u>Test-retest reliability</u>: .72 for LM I and .67 for LM II in a sample of 173 adults and with a test-retest interval ranging from 14 to 84 days ($M=23$).</p> <p><u>Construct validity</u>: LM correlates with other measures of memory function such as the CVLT II Short delay free recall (.40-.47), CVLT II long delay free recall (.45-.52), RBANS immediate memory index (.53-.57) and RBANS delayed memory index (.28-.49),</p> <p><u>Concurrent validity</u>: Increased forgetting rates on the LM subtest of the WMS-R have been shown in individuals with closed head injuries (Reid & Kelly, 1993). For a group of 32 adults with moderate to severe TBI, group mean differences in performance on LMI and LMII resulted in moderate and large effect sizes respectively.</p>
Advantages	<ul style="list-style-type: none"> • Quick and easy to administer. • Australian norms available. • Strong psychometric properties. • Well established measure of structured verbal memory.
Disadvantages	<ul style="list-style-type: none"> • Need to purchase entire WMS-IV. • Heavily reliant on verbal abilities therefore not suitable for individuals with language disorders.
Additional Information	
Reviewers	Skye McDonald

References

Wechsler, D., Holdnack, J. A., & Drozdick, L. W. (2009). *Wechsler Memory Scale: Fourth Edition. Technical and Interpretive Manual*. San Antonio: Pearson.