

# Latent Semantic Analysis: An Improved Method to Measure Cognitive Performance in Subjects of Non-English-Speaking-Background

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**Reference:**

**Key Words:**

cognitive tests, translation, validity of measures

**Research aim:**

The present study examined the validity of cognitive assessment in older adults when administered in a second language (English). A battery of tests that included the MMSE, CAMCOG and the Logical Memory Test of the Wechsler Memory Scale III

**Results/Conclusion:**

The results suggest that Latent Semantic Analysis (LSA) is a more robust measure of cognitive function than traditional scoring methods and may therefore improve the validity of cognitive assessment results on subjects of NESB.

**Implications:**

**Cultural Group(s):**

Non-English speaking background

**Location of study:**

Western Australia (Perth)

**Age group:**

60+

**Number included in study:**

121

**Type of participants:**

older community members of English and non-English speaking backgrounds

**Research approach:**

Quantitative

**Type of data:**

**Secondary data sources used:**

**Specific scales or analytical techniques used:**

MMSE, CAMCOG and the Logical Memory Test of the Wechsler Memory Scale III

**Implications/ Recommendations:**

**Notes:**