Hoffman, R., Tremont, G., Scott, J., Adams, R., & Mittenberg, W.  
Cross-Validation of Predicted Wechsler Memory Scale-Revised Scores in a Normative Sample of 25- to 34-Year-Old Patients.  
Woodward and Axelrod (1995) described a method of estimating Wechsler Memory Scale-Revised General Memory (GM) and Delayed Recall (DR) index scores using 6 subtests of the WMS-R, which has been cross-validated in mixed clinical samples of neurologically compromised patients. To date, however, this methodology has not been cross-validated in a normative sample, limiting its applicability in clinical practice. The accuracy of equations for prorating the WMS-R General Memory (GM) and Delayed Recall (DR) index scores (Woodward & B.N. Axelrod, 1995) were confirmed in Mittenberg’s 1992 normative WMS-R sample of 50 subjects between the ages of 25 and 34. Raw scores for Logical Memory I & II, Visual Reproduction I & II, and Verbal Paired Associates I & II were entered into the Woodward and Axelrod prediction equations and the resulting estimated GM and DR index scores were compared with obtained GM and DR index scores. Predicted GM and DR index scores fell within 6 points of the obtained scores for 98% of the sample, well within the standard error of measurement of these index scores. Pearson correlations between estimated and achieved index scores accounted for over 96% of the variance for both GM (r = .984, p < .001) and DR (r = .995, p < .001). This is similar to the reported performance of a mixed group of neurologically compromised patients in the Axelrod, Woodward, Putnam, and Adams (1996) cross-validation study. To further compare the two cross-validation samples, thirty patients with closed head injury were age, education, and gender matched with 30 subjects from Mittenberg’s normative sample and the relative performance of the Woodward and Axelrod prediction equations were compared between these groups. Despite statistically significant differences between these groups in GM, DR, and percent retention of LM I&II and VR I&II, there was no difference in accuracy of estimated index scores between these two groups. These findings suggest that the Woodward and Axelrod method of estimating weighted score sums for WMS-R General Memory and Delayed Recall indices may be safely used in normative samples of patients in this age range as well as neurologically compromised patients without significantly impacting index score accuracy.

Hoffman, R. G., Scott, J. G., & Oommen, K. J.  
Cross-Validation of Predicted Wechsler Memory Scale-Revised Scores in a Sample of Patients with Intractible Seizures.  
Equations for prorating the Wechsler Memory Scale-Revised General Memory (GM) and Delayed Recall (DR) index scores (Woodward & Axelrod, 1995) were confirmed in a clinical sample of 24 patients with intractible seizures who were seen for neuropsychological testing prior to neurosurgical resection. All patients had well defined and lateralized seizure foci confirmed by EEG, SPECT, and intraoperative strip electrodes. Raw scores for Logical Memory I & II, Visual Reproduction I & II, and Verbal Paired Associates I & II were entered into the Woodward and Axelrod prediction equations and the resulting estimated GM and DR index scores were compared with obtained GM and DR index scores. Predicted GM and DR index scores fell within 6 points of the obtained scores for 100% of the sample, well within the standard error of measurement of these index scores. Pearson correlations between estimated and achieved index scores accounted for 98% of the variance for both GM (r = .991, p < .001) and DR (r = .989, p < .001). Predicted GM scores were on the average slightly lower than actual GM scores (mean difference = -1.1, SD = 2.0) and predicted DR scores were on the average slightly higher than actual DR scores (mean difference = .19, SD = 2.4). There were no significant differences in accuracy of estimated index scores between patients with left brain seizure foci and those with right brain foci. These findings suggest that the Woodward and Axelrod method of estimating weighted score sums for WMS-R General