*Supplemental Table 1. Model Fit Indices with demographically corrected NIH TB scores*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Model | Overall χ² [df] | CFI | TLI | RMSEA (90% CI) | SRMR | AIC |
|
| 1a | 290.518 [119] | 0.777 | 0.745 | 0.09 (0.077-0.103) | 0.076 | 19686.013 |
| 2a | 243.955 [118] | 0.836 | 0.811 | 0.077 (0.064-0.091 | 0.073 | 19641.45 |
| 2b | 281.336 [118] | 0.787 | 0.755 | 0.088 (0.075-0.101) | 0.075 | 19678.831 |
| 3a | 225.225 [116] | 0.858 | 0.833 | 0.073 (0.058-0.087) | 0.072 | 19626.72 |
| 3b | 222.291 [116] | 0.862 | 0.838 | 0.072 (0.057-0.086) | 0.069 | 19623.785 |
| 4a | 193.334 [113] | 0.895 | 0.874 | 0.063 (0.048-0.078) | 0.065 | 19600.828 |
| 4b | 216.551 [114] | 0.866 | 0.841 | 0.071 (0.057-0.085) | 0.068 | 19622.046 |
| 4c | 222.776 [114] | 0.858 | 0.831 | 0.073 (0.059-0.087) | 0.072 | 19628.27 |
| 5a | 170.821 [109] | 0.92 | 0.9 | 0.056(0.039-0.072) | 0.059 | 19586.316 |
| 5b | 187.327 [110] | 0.906 | 0.884 | 0.061 (0.045-0.076) | 0.064 | 19595.821 |
| 6a | 159.009 [105] | 0.93 | 0.909 | 0.054 (0.036-0.07) | 0.057 | 19582.503 |

**Overall chi-squared** measures how well a model compares to observed data. **Comparative Fit Index (CFI)** examines the discrepancy between data and the hypothesized model. **Tucker Lewis Index (TLI)** analyzes the discrepancy between the x2 of the hypothesized model and the null model. **The Root Mean Squared Error of Approximation (RMSEA)** analyzes discrepancy between the hypothesized model (with optimal parameter estimates) and population covariance matrix. **The Standardized Root Mean Square Residual (SRMR)** is the root of the discrepancy between the sample covariance matrix and model covariance matrix. **The Akaike Information Criterion (AIC)** is a value used to evaluate how well a model fits the data. Lower is a better fit.

*Supplemental Table 2. Standardized coefficients for the 6-factor model with demographically corrected NIH TB scores*

|  |  |  |
| --- | --- | --- |
| **Latent Factor** | **Observed Indicator** | **Loading** |
| Vocabulary | TB Picture Vocabulary | 0.817 |
| WAIS-IV Similarities | 0.668 |
| Reading | TB Oral Reading | 1 |
| Episodic Memory | TB Picture Sequence MemoryCVLTBenson Figure | 0.5320.6990.427 |
| Working Memory | TB List Sorting | 0.627 |
| Letter Number Sequence | 0.510 |
| Digit Span Backwards | 0.657 |
| Executive Function | TB DCCSTB Flanker TestWAIS-IV Matrix ReasoningStroop InterferenceTrails B | -0.608-0.556-0.544-0.2890.653 |
| Speed | TB Pattern Comparison | 0.433 |
| WAIS-IV Coding | 0.727 |
| WAIS-IV Symbol Search | 0.793 |