

Supplemental Material S1. Confirmatory model fit statistics for phenotypic latent factor models of language measures at Home Visits 5–7.

| Model | Chi-square test statistics | | | Relative fit statistics (lower score = better-fitting model) | | Absolute fit statistics (RMSEA < .10 and CFI > .95 = better-fitting models) | |
|---------------------|----------------------------|-----------|----------|---|---------|--|------|
| | χ^2 | <i>df</i> | <i>p</i> | AIC | BIC | RMSEA | CFI |
| Home Visit 5 | | | | | | | |
| 1 factor | 175.72 | 14 | < .01 | 4021.14 | 4096.32 | 0.21 | 0.79 |
| 2 factor_v1 | 31.76 | 13 | < .01 | 3870.83 | 3949.59 | 0.07 | 0.98 |
| 2 factor_v2 | 67.09 | 13 | < .01 | 3909.04 | 3987.80 | 0.13 | 0.93 |
| Home Visit 6 | | | | | | | |
| 1 factor | 228.63 | 14 | < .01 | 3892.48 | 3965.84 | 0.25 | 0.72 |
| 2 factor_v1 | 26.55 | 13 | .01 | 3707.13 | 3783.98 | 0.07 | 0.98 |
| 2 factor_v2 | 73.00 | 13 | .01 | 3753.98 | 3830.83 | 0.14 | 0.92 |
| Home Visit 7 | | | | | | | |
| 1 factor | 223.93 | 14 | .01 | 3745.95 | 3820.48 | 0.24 | 0.75 |
| 2 factor_v1 | 61.18 | 13 | .01 | 3593.45 | 3671.53 | 0.12 | 0.94 |
| 2 factor_v2 | 86.24 | 13 | .01 | 3618.02 | 3696.10 | 0.15 | 0.91 |

Note. AIC = Akaike information criterion; BIC = Bayesian information criterion; RMSEA = root mean square error of approximation; CFI = comparative fit index; 1 factor = all measures load on single latent language factor; 2 factor_v1 = one latent factor indexed by mean length of utterance (MLU), number of total words on 30 communication units (C-units) (NTW-30), and number of different words on 30 C-units (NDW-30), second latent factor indexed by Test of Narrative Language (TNL; Gillam & Pearson, 2004), Clinical Evaluation of Language Fundamentals–Fourth Edition Recalling Sentences subtest (CELF-4-RS; Semel, Wiig, & Secord, 2003), CELF Understanding Spoken Paragraphs subtest (CELF-4-USP), CELF Word Classes 2 Receptive and Expressive subtest (CELF-4-WC); 2 factor_v2 = one latent factor indexed by MLU, NTW-30, NDW-30 and TNL, second latent factor indexed by CELF-4-RS, CELF-4-USP, CELF-4-WC factor.

References

- Gillam, R. B., & Pearson, N. A. (2004). *Test of Narrative Language: Examiner's manual*. Austin, TX: Pro-Ed.
- Semel, E., Wiig, E. H., & Secord, W. A. (2003). *Clinical Evaluation of Language Fundamentals–Fourth Edition*. San Antonio, TX: The Psychological Corporation.