

**Supplemental Material S2.** Generalized estimating equation (GEE) analyses predicting adolescent outcomes from school-age measures.

Measure	Predictor	$\beta$	$b$ (SE)	$\chi^2$	Overall $p$ -value	Overall $R^2$
GFTA	Intercept	1.66	0.19			
	<b>SSD Group</b>			48.8	< .001***	0.269
	No SSD	REF	REF			
	Resolved SSD	−0.91	0.26			
	Low MSW	−1.40	0.39			
	PSD + Low MSW	−2.27	0.37			
PPVT	Intercept	111.8	2.4			
	<b>SSD Group</b>			44.0	< .001***	0.271
	No SSD	REF	REF			
	Resolved SSD	−2.5	3.3			
	Low MSW	−16.7	5.0			
	PSD + Low MSW	−21.7	4.2			
EOWPVT-3	Intercept	125.3	2.3			
	<b>SSD Group</b>			57.8	< .001***	0.280
	No SSD	REF	REF			
	Resolved SSD	−5.2	3.1			
	Low MSW	−21.5	4.8			
	PSD + Low MSW	−19.8	4.0			
Motor Speech Skills	Intercept	−0.20	0.24			
	<b>SSD Group</b>			1.75	.63 (NS)	0.004
	No SSD	REF	REF			
	Resolved SSD	0.08	0.33			
	Low MSW	0.34	0.50			
	PSD + Low MSW	0.16	0.44			
Recalling Sentences	Intercept	6.03	1.39			
	Sex	1.12	0.58			
	SES	0.76	0.28			
	<b>SSD Group</b>			29.2	< .001***	0.264
	No SSD	REF	REF			
	Resolved SSD	−0.52	0.65			
	Low MSW	−3.79	0.95			
	PSD + Low MSW	−3.96	0.86			
Word ID	Intercept	93.9	5.3			
	Sex	6.3	3.0			
	<b>SSD Group</b>			40.5	< .001***	0.270
	No SSD	REF	REF			
	Resolved SSD	3.3	3.3			
	Low MSW	−22.0	5.2			

	PSD + Low MSW	−19.7	4.7			
Word Attack	Intercept	103.4	2.3			
	<b>SSD Group</b>			51.9	< .001***	0.346
	No SSD	REF	REF			
	Resolved SSD	−0.3	3.2			
	Low MSW	−30.9	5.0			
	PSD + Low MSW	−23.0	4.5			
<hr/>						
Reading Comp	Intercept	101.0	5.3			
	Sex	5.1	2.9			
	<b>SSD Group</b>			42.9	< .001***	0.273
	No SSD	REF	REF			
	Resolved SSD	−4.1	3.4			
	Low MSW	−22.4	5.0			
	PSD + Low MSW	−18.3	2.9			
<hr/>						
TWS	Intercept	87.4	5.2			
	Sex	6.6	2.9			
	<b>SSD Group</b>			58.4	< .001***	0.247
	No SSD	REF	REF			
	Resolved SSD	−2.4	3.3			
	Low MSW	−22.2	5.1			
	PSD + Low MSW	−18.9	4.5			

*Note.* REF = reference group;  $\chi^2$  = chi-squared (3 d.f.) statistic from analysis of variance (ANOVA) comparing models with and without outcome group; Overall  $p$  =  $p$  value corresponding to  $\chi^2$ : NS ( $p \geq .1$ ),  $*p < .1$ ,  $**p < .05$ ,  $***p < .001$ ;  $R^2$  = multiple  $R^2$  for the outcome group only. Covariates of sex and socioeconomic status were included in the model when significant.

GFTA = Goldman-Fristoe Test of Articulation; PPVT = Peabody Picture Vocabulary Test; EOWPVT-3 = Expressive One Word Picture Vocabulary Test—Third Edition; Motor Speech Skills = Fletcher Time-by-Count; Recalling Sentences = from Clinical Evaluation of Language Fundamentals (CELF) and Test of Language Development—Primary: Third Edition (TOLD-P:3) Imitating Sentences; Word Attack = subtest of the Woodcock Reading Mastery Test—Revised (WRMT-R); Word Identification = subtest of the WRMT-R; Reading Comprehension = subtest of the Wechsler Individual Achievement Test (WIAT); TWS = Test of Written Spelling.

## References

- Dunn, D. M., & Dunn, L. M. (1997). *Peabody Picture Vocabulary Test—III (PPVT-III)*. Circle Pines, MN: AGS.
- Dunn, L. M. (2006). *Peabody Picture Vocabulary Test—Fourth Edition (PPVT-4)*. Circle Pines, MN: AGS.
- Fletcher, J. (1977). *The Fletcher Time-by-Count Test of Diadochokinetic Syllable Rate*. Tigard, OR: C.C. Publications.
- Gardner, M. F. (2000). *Expressive One-Word Picture Vocabulary Test—Third Edition (EOWPVT-3)*. Novato, CA: Academic Therapy Publications.
- Goldman, R., & Fristoe, M. (1986). *Goldman-Fristoe Test of Articulation*. Circle Pines, MN: AGS.
- Goldman, R., & Fristoe, M. (2000). *Goldman-Fristoe Test of Articulation—Second Edition*. Circle Pines, MN: AGS.
- Larsen, S. C., & Hammill, D. D. (1994). *Test of Written Spelling—Third Edition (TWS-3)*. Austin, TX: Pro-Ed.
- Newcomer, P. L., & Hammill, D. D. (1997). *Test of Language Development—Primary: Third Edition (TOLD-P:3)*. Austin, TX: Pro-Ed.
- Semel, E., Wiig, E. H., & Secord, W. (1995). *Clinical Evaluation of Language Fundamentals—Third Edition (CELF-3)*. San Antonio, TX: The Psychological Corporation.
- Wechsler, D. (1992). *Wechsler Individual Achievement Test (WIAT)*. San Antonio, TX: The Psychological Corporation.
- Woodcock, R. (1987). *Woodcock Reading Mastery Test—Revised (WRMT-R)*. Circle Pines, MN: AGS.