Supplemental material, Kwok et al., "Measuring Change During Intervention Using Norm-Referenced, Standardized Measures: A Comparison of Raw Scores, Standard Scores, Age Equivalents, and Growth Scale Values From the Preschool Language Scales-Fifth Edition," JSLHR, https://doi.org/10.1044/2022_JSLHR-22-00122

	PLS-5 AC				PLS-5 EC			
Changes during intervention (T1 minus T0 scores)								
	RS	AE	GSV	SS	RS	AE	GSV	SS
r	0.62	0.62	0.61	0.22	0.57	0.55	0.58	0.04
95% CI	[.48, .72]	[.49, .73]	[.47, .72]	[.03, .41]	[.41, .71]	[.39, .70]	[.43, .71]	[.003, .26]
р	<.001**	<.001**	< .001**	$.047^{*}$	<.001**	< .001**	< .001**	.82
Changes during 3-month post intervention period (T2 minus T1 scores)								
r	0.52	0.51	0.51	0.04	0.4	0.41	0.4	0.23
95% CI	[.34, .66]	[.34, .65]	[.34, .66]	[.003, .27] .48	[.21, .57]	[.22, .57]	[.21, .57]	[.04, .43]
р	<.001**	<.001**	<.001**	.48	<.001**	<.001**	<.001**	.04*

Supplemental Material S1. Effect size of changes from intervention as measured by each scoring approaches (with nonparametric Wilcoxon signed-rank test).

Note. AC = auditory comprehension scale; EC = expressive communication scale; RS = raw score; AE = age equivalents; GSV = growth scale values; SS = standard scores; r = effect size from Wilcoxon signed-rank test (z/\sqrt{N}) .

***p* < .001. **p* < .05.