

**Supplemental Material S1. Baseline variables and assessment tools.**

Category	Baseline variable	Assessment tool
Oral motor skills	Oral function score	Oral and Speech Motor Control Protocol <sup>a</sup>
Speech	GFTA-2 SS	GFTA-2 Sounds-In-Words
	PVC	Single Word Test of Polysyllables <sup>b</sup>
	PCC	
Language	Receptive Language Index <sup>c</sup>	CELF-P2 or CELF-3/ CELF-4
	Expressive Language Index <sup>c</sup>	
	PPVT-4 SS	PPVT-4
Working memory	Forward digit span SS	CTOPP/ CTOPP-2 Memory for Digits or TAPS-3 Number Memory Forward
CAS-related speech feature	% inconsistency	GFTA-2 Sounds-In-Words or DEAP Inconsistency or Single Word Test of Polysyllables <sup>b</sup>
	% lexical stress errors	Single Word Test of Polysyllables <sup>b</sup>

*Note.* GFTA-2 = Goldman-Fristoe Test of Articulation–Second Edition (Goldman & Fristoe, 2000); SS = standard score; PVC = percentage of vowels correct; PCC = percentage of consonants correct; CELF-P2 = Clinical Evaluation of Language Fundamentals Preschool–Second Edition, Australian and New Zealand Standardised Edition (Wiig et al., 2006); CELF-3 = Clinical Evaluation of Language Fundamentals–Third Edition (Semel et al., 1995); CELF-4 = Clinical Evaluation of Language Fundamentals–Fourth Edition, Australian Standardised Edition (Semel et al., 2006); PPVT-4 = Peabody Picture Vocabulary Test–Fourth Edition (Dunn & Dunn, 2007); CTOPP = Comprehensive Test of Phonological Processing (Wagner et al., 1999); CTOPP-2 = Comprehensive Test of Phonological Processing–Second Edition (Wagner et al., 2013); TAPS-3 = Test of Auditory Processing Skills–Third Edition (Martin & Brownell, 2005); DEAP = Diagnostic Evaluation of Articulation and Phonology (Dodd et al., 2006).

<sup>a</sup>Robbins & Klee, 1987. <sup>b</sup>Gozzard et al., 2006. <sup>c</sup>Receptive and Expressive Language Index scores are standard scores.

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