

Supplemental Material S4. Spearman correlations between features and the likelihood of CAS (averaged across three raters for each child's sample).

		Average rated likelihood child has CAS 0-100	
Spearman's rho	Inconsistency observed number of raters 0 to 3	Correlation Coefficient	.658**
		Sig. (2-tailed)	.000
		N	90
	Inconsistency clinically significant number of rater 0 to 3	Correlation Coefficient	.578**
		Sig. (2-tailed)	.000
		N	90
	Lengthened and disrupted coarticulatory transitions observed number of raters 0 to 3	Correlation Coefficient	.647**
		Sig. (2-tailed)	.000
		N	90
	Lengthened and disrupted coarticulatory transitions clinically significant number of rater 0 to 3	Correlation Coefficient	.625**
		Sig. (2-tailed)	.000
		N	90
	Respiration, voice or resonance errors observed number of raters 0 to 3	Correlation Coefficient	.452**
		Sig. (2-tailed)	.000
		N	90
	Respiration, voice or resonance errors clinically significant number of rater 0 to 3	Correlation Coefficient	.492**
		Sig. (2-tailed)	.000
		N	90
	Inappropriate lexical stress observed number of raters 0 to 3	Correlation Coefficient	.610**
		Sig. (2-tailed)	.000
		N	90
	Inappropriate lexical stress clinically significant number of rater 0 to 3	Correlation Coefficient	.580**
		Sig. (2-tailed)	.000
		N	90
	Inappropriate phrasal stress or intonation observed number of raters 0 to 3	Correlation Coefficient	.618**
		Sig. (2-tailed)	.000
		N	90
	Inappropriate phrasal stress or intonation clinically	Correlation Coefficient	.504**
		Sig. (2-tailed)	.000

significant number of rater 0 to 3	N	90
Structural (word shape) errors observed number of raters 0 to 3	Correlation Coefficient	.434**
	Sig. (2-tailed)	.000
	N	90
Structural (word shape) errors clinically significant number of rater 0 to 3	Correlation Coefficient	.537**
	Sig. (2-tailed)	.000
	N	90
Segmental errors (consonant and/or vowel errors) observed number of raters 0 to 3	Correlation Coefficient	.212*
	Sig. (2-tailed)	.045
	N	90
Segmental errors (consonant and/or vowel errors) clinically significant number of rater 0 to 3	Correlation Coefficient	.344**
	Sig. (2-tailed)	.001
	N	90
Language issues observed number of raters 0 to 3	Correlation Coefficient	.520**
	Sig. (2-tailed)	.000
	N	90
Language issues clinically significant number of rater 0 to 3	Correlation Coefficient	.308**
	Sig. (2-tailed)	.003
	N	90
Dysfluency observed number of raters 0 to 3	Correlation Coefficient	.122
	Sig. (2-tailed)	.252
	N	90
Dysfluency clinically significant number of rater 0 to 3	Correlation Coefficient	-.031
	Sig. (2-tailed)	.772
	N	90
Avoiding words/sounds observed number of raters 0 to 3	Correlation Coefficient	.304**
	Sig. (2-tailed)	.004
	N	90
Avoiding words/sounds clinically significant number of rater 0 to 3	Correlation Coefficient	.137
	Sig. (2-tailed)	.199
	N	90