Percentage of Consonants Correct-Revised (PCC-R)

Availability:	**Please email the author for information about obtaining the instrument:** shriberg@waisman.wisc.edu
Classification:	**Supplemental:** Cerebral Palsy (CP), Acute Hospitalized, Concussion/Mild TBI, Epidemiology, Moderate/Severe TBI: Rehabilitation Traumatic Brain Injury (TBI)
Short Description of Instrument:	The Percentage of Consonants Correct-Revised (PCC-R) (Shriberg & Kwiatkowski, 1982; Shriberg, et al., 1986), is computed from a 5- to 10-minute conversational speech sample, and calculated on the percentage of *intended* consonants that are produced correctly (Gordon-Brannan & Curtis, 2007). Speech-sound omissions, substitutions, and distortions are all considered as incorrect consonants. The PCC-R is one component of a diagnostic classification system for phonological disorders (Shriberg & Kwiatkowski, 1982). Ages: 18 mo – 21 y
Scoring:	Severity of consonants produced correctly falls into four levels: Mild > 85% Mild to Moderate 65 – 85% Moderate 50 – 65% Severe < 50%

References:	Campbell T & Dollaghan C. (1994). Phonological and speech production characteristics of children following traumatic brain injury: Principles underlying assessment and treatment. In J. Bernthal & N. Bankson (Eds.), Child Phonology: Characteristics, Assessment, and Intervention With special Populations. New York, NY: Thieme. Campbell TF, Dollaghan C, Janosky J, Rusiewicz HL, Small SL, Dick F, Vick J, Adelson PD. Consonant accuracy after severe pediatric traumatic brain injury: a prospective cohort study. J Speech Lang Hear Res. 2013;56(3):1023–1034 Campbell TF, Dollaghan C, Janosky JE, Adelson PD. A performance curve for assessing change in Percentage of Consonants Correct Revised (PCC-R). J Speech Lang Hear Res. 2007;50(4):1110–1119. Campbell TF Dollaghan CA, Janosky JE. (2010). Understanding speech-sound change in young children following severed traumatic brain injury. In R. Paul & P. Flipsen (Eds.), Speech Sound Disorders in Children (pp. 205–224). San Diego, CA: Plural Publishing. Gordon-Brannan ME & Weiss CE. (2007). Clinical Management of Articulatory and Phonologic Disorders (3rd ed.). Baltimore, MD: Lippincott Williams & Wilkins. Shriberg LD, Austin D, Lewis BA, McSweeny JL, Wilson DL. The percentage of consonants correct (PCC) metric: extensions and reliability data. J Speech Lang Hear Res. 1997;40(4):708–722. Shriberg LD, Kwiatkowski J, Best S, Hengst J, Terselic-Weber B. Characteristics of children with phonologic disorders of unknown origin. J Speech Hear Disord. 1986;51(2):140–161. Shriberg LD, Kwiatkowski J. Phonological disorders III: a procedure for assessing severity of involvement. J Speech Hear Disord. 1982;47(3):256-70.