

Supplementary Table 1. Mean speech intelligibility percentages (M) and standard deviations (SD) per speaker based on judgments of 23 non-expert adult listeners, mean speech intelligibility and attitude dimension scores and standard deviations per speaker based on judgments of 69 normally developing peers, and degree of speech intelligibility, perception of hypernasality, audible nasal airflow and articulation based on judgments of a speech-language pathologist.

	S1*	S2*	S3*	S4	S5	S6	S7	S8	S9	S10	S11	S12
	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)	M (SD)
Speech intelligibility %	96 (3.37)	91 (3.45)	97 (2.84)	55(12.4)	77 (9.22)	20 (11.6)	49 (10.4)	26 (9.26)	47 (14.4)	55 (12.1)	78 (8.41)	61 (15.1)
Speech intelligibility score (1-5)	4.35 (.98)	3.59 (1.41)	4.34 (1.11)	2.30 (1.02)	1.88 (1.09)	1.38 (.62)	2.28 (1.06)	1.58 (.81)	1.68 (1.00)	2.23 (1.06)	3.20 (1.39)	2.83 (1.21)
Degree of speech intelligibility	Normal	Normal	Normal	Severe	Moderate	Severe	Mild	Severe	Severe	Severe	Mild	Mild
Degree of hypernasality	Absent	Absent	Absent	Mild	Moderate	Severe	Mild	Severe	Severe	Mild	Moderate	Borderline
Degree of audible nasal airflow	Absent	Absent	Absent	Occasionally	Frequently	Absent	Occasionally	Absent	Frequently	Absent	Frequently	Absent
Degree of articulation errors	Normal	Normal	Normal	Severe	Mild	Severe	Normal	Severe	Severe	Moderate	Normal	Moderate
Cognitive dimension (-7 to +7)	3.58 (2.70)	2.00 (3.58)	3.26 (3.34)	-0.51 (2.46)	-1.58 (3.17)	-1.55 (2.63)	-.81 (3.31)	-.72 (3.13)	-1.70 (3.07)	-.43 (3.07)	1.55 (3.41)	.84 (3.28)
Affective dimension (1-3)	2.66 (.47)	2.43 (.53)	2.54 (.57)	2.20 (.53)	1.93 (.67)	1.97 (.50)	2.02 (.61)	2.04 (.65)	1.98 (.67)	2.07 (.66)	2.25 (.65)	2.23 (.69)
Behavioral dimension (1-4)	2.98 (.81)	2.77 (.85)	2.85 (.85)	2.56 (.66)	2.15 (.91)	2.36 (.76)	2.24 (.84)	2.28 (.92)	2.14 (.83)	2.31 (.89)	2.53 (.91)	2.58 (.96)

*speaker without speech disorders and without cleft (lip and) palate