

Supplemental Material S2. Individual participant data for (A) word-level acoustic and intelligibility measures and (B) sentence-level acoustic and intelligibility measures.

A. Individual participant data for word-level acoustic and intelligibility measures.

Participants	Acoustic measures									Intelligibility-related measures					
	Word duration (seconds)			Sound Pressure Level (dB)			Vowel Space Area (log)			Ease of Understanding (%)			Percent Words correctly transcribed (%)		
	Hab	BM	SV	Hab	BM	SV	Hab	BM	SV	Hab	BM	SV	Hab	BM	SV
CP01	0.65	0.73	0.74	81.85	80.78	82.03	4.71	5.30	5.65	0.65	0.73	0.74	81.85	80.78	82.03
CP02	0.26	0.46	0.40	81.96	84.66	84.87	5.40	5.13	5.24	0.26	0.46	0.40	81.96	84.66	84.87
CP03	0.41	0.50	0.42	81.20	79.42	80.74	4.65	5.45	5.23	0.41	0.50	0.42	81.20	79.42	80.74
CP04	0.63	0.77	0.72	81.83	82.98	83.57	5.18	5.02	4.74	0.63	0.77	0.72	81.83	82.98	83.57
CP05	0.28	0.45	0.28	76.45	74.41	79.88	4.81	5.02	5.04	0.28	0.45	0.28	76.45	74.41	79.88
CP06	0.25	0.38	0.28	84.84	82.24	84.32	5.61	5.32	5.20	0.25	0.38	0.28	84.84	82.24	84.32
CP07	0.34	0.55	0.62	85.10	82.44	84.24	3.68	4.66	3.67	0.34	0.55	0.62	85.10	82.44	84.24
CP08	0.32	0.81	0.65	81.69	84.78	84.34	4.41	4.37	3.79	0.32	0.81	0.65	81.69	84.78	84.34
CP09	0.35	0.48	0.38	80.44	80.27	84.25	4.55	4.64	4.88	0.35	0.48	0.38	80.44	80.27	84.25
CP10	0.34	0.43	0.34	74.41	78.67	77.87	4.56	5.09	4.77	0.34	0.43	0.34	74.41	78.67	77.87
CP11	0.32	0.38	0.32	72.24	77.17	78.91	4.75	5.55	5.25	0.32	0.38	0.32	72.24	77.17	78.91
CP12	0.34	0.60	0.47	79.25	80.47	83.95	5.18	5.33	5.40	0.34	0.60	0.47	79.25	80.47	83.95
CP13	0.30	0.46	0.39	82.44	82.64	83.53	5.25	5.26	5.37	0.30	0.46	0.39	82.44	82.64	83.53
CP14	0.43	0.62	0.55	81.45	81.33	82.92	5.37	5.36	5.69	0.43	0.62	0.55	81.45	81.33	82.92
CP15	0.30	0.45	0.37	74.23	82.84	84.07	5.51	5.40	5.57	0.30	0.45	0.37	74.23	82.84	84.07

Note. dB = decibels (measured at 10cm distance); Hab = Habitual; BM = Big Mouth; SV = Strong Voice.

B. Individual participant data for sentence-level acoustic and intelligibility measures.

Participants	Acoustic measures												Intelligibility-related measures		
	Sentence duration (seconds)			Sound Pressure Level (dB)			Vowel Space Area (log)			Articulation rate (syllables/second)			Ease of Understanding (%)		
	Hab	BM	SV	Hab	BM	SV	Hab	BM	SV	Hab	BM	SV	Hab	BM	SV
CP01	3.19	4.76	4.61	80.07	78.39	81.29	4.32	4.72	4.36	1.88	1.26	1.30	51.98	32.61	59.03
CP02	1.53	2.14	1.85	82.61	83.31	83.43	5.43	5.43	5.49	3.92	2.80	3.24	89.64	95.34	96.96
CP03	1.88	2.6	1.87	78.95	76.05	80.85	5.17	5.37	5.45	3.19	2.31	3.21	96.12	92.03	96.95
CP04	3.83	4.98	6.54	78.52	80.31	81.39	4.65	5.06	4.72	1.57	1.20	0.92	37.15	34.71	45.10
CP05	1.33	1.92	1.35	69.45	74.53	77.86	5.26	4.75	4.73	4.51	3.13	4.44	71.08	51.81	83.06
CP06	1.43	2.06	1.48	83.75	82.36	82.84	5.23	5.46	4.52	4.20	2.91	4.05	55.58	68.84	59.66
CP07	3.14	3.76	2.14	81.79	80.99	81.43	4.37	4.27	3.68	1.91	1.60	2.80	10.82	10.56	16.86
CP08	2.64	3.67	3.68	82.59	82.85	82.23	3.45	3.6	3.7	2.27	1.63	1.63	5.33	4.76	6.95
CP09	1.56	2.05	1.78	82.13	81.38	84.05	5.22	5.37	5.25	3.85	2.93	3.37	96.86	97.49	96.85
CP10	2.53	2.7	2	69.44	75.1	71.15	5.46	5.62	5.28	2.37	2.22	3.00	45.78	59.40	48.45
CP11	2.22	2.94	2.21	72.78	70.79	73.78	4.71	5.27	5.43	2.70	2.04	2.71	41.88	37.14	45.34
CP12	1.52	2.68	1.84	77.68	80.6	82.99	5.1	5.38	5.5	3.95	2.24	3.26	92.51	94.86	96.80
CP13	1.39	2.05	1.66	80.01	82.92	82.95	5.29	5.58	5.41	4.32	2.93	3.61	93.31	94.70	92.95
CP14	1.85	2.74	1.99	79.43	81.18	82.53	5	5.54	5.68	3.24	2.19	3.02	90.02	96.84	98.06
CP15	1.37	2.55	1.85	73.91	79.8	83.55	5.53	5.81	5.58	4.38	2.35	3.24	95.75	97.50	98.45

Note. dB = decibels (measured at 10cm distance); Hab = Habitual; BM = Big Mouth; SV = Strong Voice.