

Table S3

The target measures across the speaking conditions, presented for male, female, and all speakers.

	Conversational				Less Clear				More Clear			
	HC		PD		HC		PD		HC		PD	
	M	SD	M	SD	M	SD	M	SD	M	SD	M	SD
All Speakers												
Intelligibility (VAS)	82.31	26.98	61.06	38.45	70.88	33.86	54.49	39.33	87.68	22.59	66.25	37.48
Articulatory Precision (VAS)	76.09	27.10	53.34	35.58	57.70	33.02	42.92	35.34	84.19	23.14	60.40	35.89
Acoustic VSA (kHz ²)	238.44	132.84	140.22	77.97	243.83	189.49	129.82	114.25	335.81	192.62	178.75	146.81
Acoustic Distance (Hz)	532.94	224.19	518.58	254.01	609.13	362.49	490.95	338.06	839.04	369.38	681.48	339.54
F2 Slope (Hz/ms)	4.11	1.71	3.48	1.91	4.16	2.07	3.35	1.90	3.31	1.15	2.91	1.16
Kinematic VSA (mm ²)	50.96	22.96	55.75	32.07	46.55	23.79	44.07	25.99	67.18	36.84	65.04	36.87
Kinematic Distance (mm)	11.64	3.80	10.24	5.93	11.71	4.83	9.07	5.28	15.63	4.64	13.91	7.12
Kinematic Speed (mm/s)	172.45	71.66	152.13	72.87	167.05	75.84	135.63	70.28	187.01	82.04	159.41	71.37
Female Speakers												
Intelligibility (VAS)	86.31	23.34	83.51	25.39	72.43	32.99	77.73	29.46	91.17	19.36	89.91	19.68
Articulatory Precision (VAS)	83.51	21.10	77.77	24.36	59.50	32.59	67.00	29.01	87.72	20.77	84.87	21.69
Acoustic VSA (kHz ²)	350.01	91.60	220.67	73.73	384.85	170.77	222.94	172.19	483.87	165.42	332.19	192.78
Acoustic Distance (Hz)	649.28	241.91	732.90	211.90	804.25	378.90	846.39	360.57	1123.95	252.68	1031.16	259.59
F2 Slope (Hz/ms)	4.45	1.91	4.70	1.67	4.67	2.07	5.03	2.10	3.58	1.08	3.57	1.02
Kinematic VSA (mm ²)	43.82	15.36	54.88	20.79	38.25	17.81	43.68	14.04	58.93	31.09	72.63	37.88
Kinematic Distance (mm)	11.45	4.21	13.09	3.64	12.01	4.32	12.70	3.78	15.90	4.96	17.90	3.51
Kinematic Speed (mm/s)	166.69	52.64	194.46	62.98	149.16	44.34	176.41	64.34	167.23	66.46	180.54	44.75
Male Speakers												
Intelligibility (VAS)	78.24	29.71	52.54	39.14	69.29	34.69	45.67	39.02	84.13	24.98	57.27	38.71
Articulatory Precision (VAS)	68.85	30.19	44.32	34.83	55.94	33.37	34.03	33.27	80.74	24.78	51.36	35.88
Acoustic VSA (kHz ²)	126.86	33.11	110.05	56.03	102.81	48.89	94.90	60.17	187.75	46.39	121.21	69.54
Acoustic Distance (Hz)	419.12	128.56	440.17	221.60	414.01	210.58	360.48	214.22	554.12	214.69	553.55	268.34
F2 Slope (Hz/ms)	3.78	1.43	3.03	1.80	3.65	1.96	2.73	1.39	3.05	1.17	2.67	1.11
Kinematic VSA (mm ²)	58.11	27.74	56.09	36.26	54.84	27.03	44.23	29.91	75.44	42.00	62.01	37.35
Kinematic Distance (mm)	11.81	3.38	9.13	6.29	11.41	5.32	7.63	5.12	15.36	4.34	12.31	7.58
Kinematic Speed (mm/s)	178.08	86.57	135.64	70.07	185.33	95.31	119.65	66.29	206.80	91.62	151.35	77.95