

Supplemental Material S1.

Table S1a. Detailed subject information for participants from University of Nebraska.

Subject	Age ¹	Sex	Mean PPC ²	Overall Mean Intelligibility Rating	Overall Mean Severity Rating	Total CAS Signs	Total Unique CAS Signs	Receptive Language Standard Score ³	GFTA ⁴ Raw Score	GFTA Standard Score
GP001	7;0	M	93.6	96.4	4.4	41	6	115	15	78
GP003	8;6	M	79.2	82.6	30.1	41	6	98	25	41
GP004	13;0	M	95.3	99.4	5.1	79	7	133	7	74
GP005	8;11	M	87.8	93.1	14.8	26	9	85	18	58
GP008	9;0	M	89.3	98.5	5.9	47	7	111	11	73
GP009	9;7	M	84.5	95.2	10.4	33	7	99	12	70
GP015	17;0	M	94.0	99.0	4.9	51	7	98	9	50
GP017	5;0	M	72.1	91.6	25.2	23	7	73	31	71
GP018	13;0	M	86.5	97.3	30.3	83	7	121	27	40
GP019	8;0	M	79.2	95.8	19.6	51	8	85	22	55
GP022	9;0	M	95.1	98.7	4.8	78	6	78	15	61
GP031	4;0	M	83.0	98.5	13.7	30	10	90	26	82
GP041	12;0	M	81.8	99.0	10.4	67	5	54	6	82
GP046	8;0	M	84.8	99.2	14.2	65	8	82	14	69
GP052	6;0	M	66.1	79.9	54.0	65	11	93	40	48
GP059	10;0	M	81.8	96.7	23.6	161	9	50	22	40
GP061	12;0	M	86.1	98.3	13.7	90	8	44	11	63
GP065	8;0	M	80.3	98.7	19.1	88	8	111	26	40
GP067	12;0	M	86.3	99.4	9.0	75	9	46	27	40
GP069	12;4	M	92.3	100.0	5.2	68	8	50	9	71

Table S1b. Detailed subject information for participants from Miami University.

Subject	Age ¹	Sex	Mean PPC ²	Overall Mean Intelligibility Rating	Overall Mean Severity Rating	Total CAS Signs	Total Unique CAS Signs	Receptive Language Standard Score ³	GFTA ⁴ Raw Score	GFTA Standard Score
MU-1	11;1	F	91.2	97.1	4.7	23	4	78	7	85
MU-2	3;11	M	50.9	26.6	86.4	184	11	33^	55	64
MU-3	7;1	F	73.4	90.2	33.6	87	7	96	29	76
MU-4	6;8	M	79.6	93.7	16.1	71	9	78	26	62
MU-5	5;7	M	48.1	41.7	82.4	201	11	67	54	40
MU-6	9;7	M	43.1	21.8	91.3	183	10	48	45	40
MU-7	7;8	F	79.4	83.0	29.9	97	10	76	26	55
MU-8	7;1	M	32.0	8.2	94.8	206	10	48	58	40
MU-9	10;1	M	88.2	96.2	9.0	41	9	80	10	75
MU-10	4;10	M	49.6	45.4	73.7	133	8	61^	49	56

¹Age is listed as yr;mo.

²PPC: Percent phonemes correct from GFTA responses.

³Receptive Language Standard Score: Standard score from full CELF (UNL participants), CELF RLI (8 MU participants), or converted standard score from Mullen Scales of Early Learning, Receptive Language Subtest (2 MU participants, indicated with ^).

⁴GFTA: Goldman-Fristoe Test of Articulation, 2nd Ed.