

**Table e-1: Patient Demographics and Aphasia Characteristics**

Pt. #	Gender	Age@Ax	Time Post-Stroke	Ravens (CPM)	Word Discrimination (BDAE)	Commands (BDAE)	Word Repetition (BDAE)	Boston Naming Test	Speech Fluency	Speech Fluency	Lesion Volume	Left AF-LL
		(years)	(months)	[max=36]	(% correct)	(% correct)	(% correct)	(max = 15)	(Words/min)	(CIUs/min)	(cc)	(cc)
1	M	45	11	36	97.3	93.3	90.0	14	31.2	18.8	84.20	2.70
2	M	55	7	31	91.9	26.7	30.0	5	7.3	2.0	249.80	10.82
3	F	62	15	32	81.1	86.7	20.0	0	7.9	0.3	108.30	2.96
4	M	45	11	32	28.4	60.0	50.0	0	25.0	0.4	246.65	10.94
5	M	61	13	35	100.0	100.0	N/A	15	77.9	63.5	12.68	0.07
6	M	62	14	36	97.3	93.3	0.0	0	2.3	0.6	71.18	7.09
7	M	71	66	20	N/A	57.1	100.0	3	12.6	1.3	250.30	7.04
8	F	54	12	33	87.8	70.0	20.0	6	21.3	2.4	127.98	3.78
9	M	59	16	31	33.8	33.3	90.0	1	29.8	1.3	196.87	11.25
10	M	74	65	34	97.3	86.7	90.0	14	39.8	23.3	54.09	3.70
11	M	53	25	36	62.2	60.0	70.0	5	21.3	5.9	212.35	7.99
12	M	65	108	34	91.9	100.0	20.0	3	36.5	5.1	188.74	9.36
13	M	63	6	20	82.4	73.3	40.0	0	2.9	0.3	226.59	5.95
14	M	67	9	35	62.2	46.7	10.0	0	9.8	0.1	155.14	10.29
15	F	66	27	34	89.2	73.3	40.0	8	19.8	8.0	297.27	6.89
16	M	60	21	24	66.2	53.3	70.0	1	0.8	0.1	263.11	10.58
17	F	37	19	36	100.0	100.0	60.0	13	77.0	56.0	184.09	1.48
18	M	56	15	26	86.5	50.0	40.0	3	17.4	1.7	75.82	4.92
19	M	44	44	35	100.0	75.0	60.0	14	17.2	7.2	259.45	6.81
20	M	51	12	33	70.3	33.3	10.0	0	6.1	0.2	63.47	5.63
21	M	62	77	35	58.1	60.0	10.0	0	28.8	1.0	157.77	9.88
22	M	62	25	30	43.2	60.0	50.0	0	24.2	0.4	145.40	6.15
23	M	56	79	34	73.0	86.7	80.0	12	29.3	13.5	110.32	6.49
24	M	65	18	N/A	89.2	87.5	100.0	13	50.8	37.0	14.37	1.24
25	M	45	15	36	94.6	100.0	90.0	15	50.8	29.2	15.23	0.08
26	M	54	8	36	90.5	100.0	90.0	11	41.8	24.5	42.61	3.35
27	M	58	12	N/A	98.6	93.3	80.0	10	58.6	27.4	57.16	2.41
28	F	71	96	25	68.9	60.0	0.0	0	1.3	0.9	197.24	9.75
29	M	56	18	28	82.4	20.0	25.0	0	19.3	0.4	136.78	6.74
30	M	47	18	27	83.8	66.7	40.0	2	12.6	2.6	241.38	9.40
31	M	63	24	36	79.7	33.3	70.0	4	19.2	3.6	112.30	6.78
32	M	51	9	33	39.2	33.3	70.0	2	35.3	0.3	176.47	8.66
33	M	64	92	36	N/A	N/A	N/A	15	47.5	28.8	72.10	5.20

**Table e-1.** Patient demographic data and aphasia characteristics including, in order: gender (28 M, 5 F), age at assessment (Age@Ax, measured in years), time from stroke onset to assessment (measured in months), Raven's Colored Progressive Matrices (CPM) score (a measure of nonverbal intelligence)[1], Auditory Comprehension measures from the Boston Diagnostic Aphasia Evaluation (BDAE) including the Discrimination, Commands, and Word Repetition tests (expressed in % correct)[2], the Short Form of the Boston Naming Test[3,4], two Speech Fluency measures (Words/min, CIUs/min)[5], lesion volume (in cc), and lesion load of the left arcuate fasciculus (AF-LL, in cc)[6,7].

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5. Nicholas, L.E. and R.H. Brookshire, *A system for quantifying the informativeness and efficiency of the connected speech of adults with aphasia*. Journal of Speech and Hearing Research, 1993. **36**: p. 338-350.
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7. Wang, J., et al., *Predicting speech fluency and naming abilities in aphasic patients*. Front Hum Neurosci, 2013. **7**: p. 831.