

Supplemental Material S5. Descriptive statistics for total eight-item Communicative Participation Item Bank (CPIB; Baylor et al., 2013) score for Group 1 and for each condition for Group 2, score increases for Group 2 when using communication aids, and effect sizes for those differences, by Revised amyotrophic lateral sclerosis Functional Rating Scale (Bakker et al., 2020; Cedarbaum et al., 1999) speech rating.

		ALSFRS-R speech rating				
		4 No speech change	3 Detectable speech change	2 Intelligible with repeating	1 Combining speech and non-speech	0 Unable to speak
Group 1		<i>n</i> = 57	<i>n</i> = 25	<i>n</i> = 37	<i>n</i> = 2	<i>n</i> = 0
	Mean (<i>SE</i>)	22.1 (0.46)	18.0 (0.87)	11.5 (0.75)	6.0 (3.00)	
	Max	24	24	23	9	
	Q3	24	22	14	7.5	
	Median	24	20	12	6	
	Q1	22	15	8	4.5	
	Min	5	9	3	3	
Group 2		<i>n</i> = 3	<i>n</i> = 6	<i>n</i> = 17	<i>n</i> = 26	<i>n</i> = 33
All methods	Mean (<i>SE</i>)	20.7 (1.67)	13.7 (3.06)	10.4 (1.10)	6.3 (0.93)	10.5 (0.94)
	Max	24	24	16	17	21
	Q3	21.5	19.5	14	10	15
	Median	19	10.5	10	5	10
	Q1	19	9	8	2.25	7
	Min	19	6	2	0	0
Unaided only	Mean (<i>SE</i>)	19.0 (1.00)	11.8 (2.43)	8.9 (1.21)	2.5 (0.59)	2.5 (1.03)
	Max	21	21	16	13	24
	Q3	19.5	15.5	12	3	2
	Median	18	10	9	2	0
	Q1	18	7.5	5	1	0
	Min	18	6	1	0	0
Difference	Mean (<i>SE</i>)	1.7 (0.67)	1.8 (0.79)	1.5 (0.80)	3.8 (0.83)	8.0 (1.20)
	Max	3	5	11	14	19
	Q3	2	2.75	2	6.75	13
	Median	1	1.5	0	3	8
	Q1	1	0.25	0	0.25	4
	Min	1	0	-2	-3	-13
Effect size for difference		Δ	0.96*	0.31*	0.31	1.25
					1.25	1.36

* Effect sizes for Group 2 participants with speech ratings 4 and 3 should be interpreted with extreme caution due to the small sample sizes for those subgroups and the strong possibility of sampling bias.

References

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