Supplementary Material 5: Speech and language therapy frequency and goodness of fit to baseline, sex, age and time; model by language domain

Table 1: SLT frequency and goodness of fit to baseline, sex, age and time; model by language domain

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **RCT data only** | | | |  | **All data** | | | |
| **Effect** | **Number DF** | **Denominator DF** | **F Value** | **P value** |  | **Number DF** | **Denominator DF** | **F Value** | **P value** |
| **Overall language ability** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 458 | 79.03 | <.0001 |  | 1 | 598 | 140.42 | <.0001 |
| Sex | 1 | 458 | 1.86 | 0.17 |  | 1 | 598 | 2.31 | 0.13 |
| Age group | 3 | 458 | 1.18 | 0.32 |  | 3 | 598 | 1.66 | 0.18 |
| Time since stroke group | 3 | 458 | 2.00 | 0.11 |  | 3 | 598 | 3.27 | 0.02 |
| Randomisation | - | - | - | - |  | 1 | 598 | 0.07 | 0.79 |
| Frequency group | 5 | 458 | 0.93 | 0.46 |  | 5 | 598 | 0.91 | 0.47 |

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| **Auditory Comprehension** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 511 | 83.31 | <.0001 |  | 1 | 606 | 100.45 | <.0001 |
| Sex | 1 | 511 | 0.86 | 0.35 |  | 1 | 606 | 0.74 | 0.39 |
| Age group | 3 | 511 | 5.40 | 0.0012 |  | 3 | 606 | 5.77 | 0.0007 |
| Time since stroke group | 3 | 511 | 1.30 | 0.28 |  | 3 | 606 | 1.23 | 0.30 |
| Randomisation | - | - | - | - |  | 1 | 606 | 1.47 | 0.23 |
| Frequency group | 5 | 511 | 3.10 | 0.0091 |  | 5 | 606 | 2.99 | 0.010 |
| **Naming** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 360 | 4.99 | 0.026 |  | 1 | 509 | 5.10 | 0.02 |
| Sex | 1 | 360 | 0.06 | 0.81 |  | 1 | 509 | 0.05 | 0.82 |
| Age group | 3 | 360 | 2.64 | 0.049 |  | 3 | 509 | 2.82 | 0.039 |
| Time since stroke group | 3 | 360 | 2.13 | 0.097 |  | 3 | 509 | 2.98 | 0.03 |
| Randomisation | - | - | - | - |  | 1 | 509 | 0.15 | 0.70 |
| Frequency group | 4 | 360 | 2.70 | 0.030 |  | 4 | 509 | 3.30 | 0.011 |

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| **Reading** |  |  |  |  |  |  |  |  |  |
| Baseline score | - | - | - | - |  | 1 | 77 | 12.64 | 0.0007 |
| Sex | - | - | - | - |  | 1 | 77 | 0.01 | 0.92 |
| Age group | - | - | - | - |  | 3 | 77 | 5.23 | 0.0024 |
| Time since stroke group | - | - | - | - |  | 3 | 77 | 1.42 | 0.24 |
| randomisation | - | - | - | - |  | - | - | - | - |
| Frequency group | - | - | - | - |  | 2 | 77 | 0.12 | 0.89 |
| **Functional Communication – observer rated with activity data** | | | | |  |  |  |  |  |
| Baseline score | 1 | 499 | 34.09 | <.0001 |  | 1 | 563 | 35.89 | <.0001 |
| Sex | 1 | 499 | 5.54 | 0.019 |  | 1 | 563 | 5.51 | 0.019 |
| Age group | 3 | 499 | 0.86 | 0.46 |  | 3 | 563 | 0.73 | 0.54 |
| Time since stroke group | 3 | 499 | 4.08 | 0.0071 |  | 3 | 563 | 3.96 | 0.0083 |
| Randomisation | - | - | - | - |  | 1 | 563 | 0.06 | 0.80 |
| Frequency group | 5 | 499 | 1.45 | 0.21 |  | 5 | 563 | 1.81 | 0.11 |

Key DF = degrees of freedom; F value = F statistic; - = There was insufficient data for the analysis of frequency of SLT in relation to other spoken language or written language outcome measures.