Supplementary Material 8: Speech and language therapy dosage and goodness of fit to baseline/sex/age/time model by language domain

Table 1: SLT dosage and goodness of fit to baseline/sex/age/time model by language domain

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RCT data only** |  |  |  |  |  | **All data** |  |  |  |
| **Effect** | **Numerator DF** | **Denominator DF** | **F Value** | **P value** |  | **Numerator DF** | **Denominator DF** | **F Value** | **P value** |
| **Overall language ability** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 456 | 80.20  | <.0001 |  | 1 | 596 | 140.58  | <.0001 |
| Sex | 1 | 456 | 2.39  | 0.12 |  | 1 | 596 | 2.68  | 0.10 |
| Age group | 3 | 456 | 1.32  | 0.27 |  | 3 | 596 | 1.65  | 0.18 |
| Time since stroke group | 3 | 456 | 2.62  | 0.05 |  | 3 | 596 | 4.82  | 0.0025 |
| Randomisation | - | - | - | - |  | 1 | 596 | 0.04  | 0.84 |
| Dosage group | 5 | 456 | 1.70  | 0.13 |  | 5 | 596 | 1.78  | 0.11 |
| **Auditory Comprehension** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 511 | 87.74  | <.0001 |  | 1 | 609 | 104.73  | <.0001 |
| Sex | 1 | 511 | 0.72  | 0.40 |  | 1 | 609 | 0.54  | 0.46 |
| Age group | 3 | 511 | 5.52  | 0.001 |  | 3 | 609 | 6.17  | 0.0004 |
| Time since stroke group | 3 | 511 | 1.47  | 0.22 |  | 3 | 609 | 1.55  | 0.20 |
| Randomisation | - | - | - | - |  | 1 | 609 | 1.83  | 0.18 |
| Dosage group | 5 | 511 | 1.38  | 0.23 |  | 1 | 609 | 1.41  | 0.22 |
| **Naming** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 360 | 6.31  | 0.01 |  | 1 | 509 | 5.83  | 0.016 |
| Sex | 1 | 360 | 0.07  | 0.79 |  | 1 | 509 | 0.08  | 0.78 |
| Age group | 3 | 360 | 2.51  | 0.06 |  | 3 | 509 | 2.58  | 0.05 |
| Time since stroke group | 3 | 360 | 1.31  | 0.27 |  | 3 | 509 | 3.20  | 0.02 |
| Randomisation | - | - | - | - |  | 1 | 509 | 0.11  | 0.74 |
| Dosage group | 5 | 360 | 2.36  | 0.04 |  | 5 | 509 | 2.18  | 0.05 |
| **Functional Communication (Observer rated with activity data)** |  |  |
| Baseline score | 1 | 497 | 38.15  | <.0001 |  | 1 | 560 | 38.84  | <.0001 |
| Sex | 1 | 497 | 6.56  | 0.01 |  | 1 | 560 | 6.51  | 0.01 |
| Age group | 3 | 497 | 0.92  | 0.43 |  | 3 | 560 | 0.80  | 0.49 |
| Time since stroke group | 3 | 497 | 4.34  | 0.005 |  | 3 | 560 | 3.99  | 0.0079 |
| Randomisation | - | - | - | - |  | 1 | 560 | 0.04  | 0.84 |
| Dosage group | 5 | 497 | 2.76  | 0.018 |  | 5 | 560 | 2.97  | 0.01 |

Key DF = degrees of freedom; F value = F statistic. \* Insufficient data for other spoken language, reading comprehension or writing