Supplementary Material 17: Speech and language therapy level of difficulty and goodness of fit to model by language domain

Table 1: SLT level of difficulty and goodness of fit to model by language domain

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Effect** | **RCT data only** | | | |  | **All data** | | | |
| **Numerator DF** | **Denominator DF** | **F Value** | **P value** |  | **Numerator DF** | **Denominator DF** | **F Value** | **P value** |
| **Overall language ability** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 398 | 69.68 | <.0001 |  | 1 | 537 | 129.11 | <.0001 |
| Sex | 1 | 398 | 4.05 | 0.045 |  | 1 | 537 | 3.99 | 0.046 |
| Age group | 3 | 398 | 1.75 | 0.16 |  | 3 | 537 | 1.72 | 0.16 |
| Time since stroke group | 3 | 398 | 2.23 | 0.085 |  | 3 | 537 | 3.55 | 0.014 |
| Randomisation | - | - | - | - |  | 1 | 537 | 0.23 | 0.63 |
| Level of difficulty | 1 | 398 | 0.28 | 0.60 |  | 1 | 537 | 0.27 | 0.60 |
|  |  |  |  |  |  |  |  |  |  |
| **Auditory Comprehension** | | | |  |  |  |  |  |  |
| Baseline score | 1 | 470 | 70.90 | <.0001 |  | 1 | 565 | 89.38 | <.0001 |
| Sex | 1 | 470 | 0.71 | 0.40 |  | 1 | 565 | 0.57 | 0.45 |
| Age group | 3 | 470 | 5.87 | 0.0006 |  | 3 | 565 | 6.14 | 0.0004 |
| Time since stroke group | 3 | 470 | 0.67 | 0.57 |  | 3 | 565 | 0.74 | 0.53 |
| Randomisation | - | - | - | - |  | 1 | 565 | 1.34 | 0.25 |
| Level of difficulty | 1 | 470 | 4.12 | 0.043 |  | 1 | 565 | 4.05 | 0.045 |
|  |  |  |  |  |  |  |  |  |  |
| **Naming** |  |  |  |  |  |  |  |  |  |
| Baseline score | 1 | 312 | 3.82 | 0.052 |  | 1 | 471 | 2.93 | 0.088 |
| Sex | 1 | 312 | 0.33 | 0.57 |  | 1 | 471 | 0.01 | 0.94 |
| Age group | 3 | 312 | 2.21 | 0.087 |  | 3 | 471 | 2.50 | 0.059 |
| Time since stroke group | 3 | 312 | 2.06 | 0.11 |  | 3 | 471 | 3.09 | 0.027 |
| Randomisation | - | - | - | - |  | 1 | 471 | 0.18 | 0.67 |
| Level of difficulty | 1 | 312 | 1.01 | 0.31 |  | 1 | 471 | 0.15 | 0.70 |
| **Functional Communication (Observer-rated with activity data)** | | | | |  |  |  |  |  |
| Baseline score | 1 | 431 | 34.76 | <.0001 |  | 1 | 541 | 45.94 | <.0001 |
| Sex | 1 | 431 | 4.74 | 0.030 |  | 1 | 541 | 3.67 | 0.056 |
| Age group | 3 | 431 | 1.60 | 0.19 |  | 3 | 541 | 1.57 | 0.20 |
| Time since stroke group | 3 | 431 | 3.39 | 0.018 |  | 3 | 541 | 3.62 | 0.013 |
| Randomisation | - | - | - | - |  | 1 | 541 | 0.34 | 0.56 |
| Level of difficulty | 1 | 431 | 0.38 | 0.54 |  | 1 | 541 | 0.25 | 0.62 |

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