Supplementary Material 13: Speech and language therapy expertise and goodness of fit to model by language domain

Table 1: SLT expertise and goodness of fit to 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 | | 464 | 80.72 | <.0001 |  | 1 | 601 | 137.86 | <.0001 |
| Sex | 1 | | 464 | 2.20 | 0.14 |  | 1 | 601 | 2.17 | 0.14 |
| Age group | 3 | | 464 | 1.55 | 0.20 |  | 3 | 601 | 1.78 | 0.15 |
| Time since stroke group | 3 | | 464 | 2.18 | 0.089 |  | 3 | 601 | 3.61 | 0.013 |
| Randomisation | - | | - | - | - |  | 1 | 601 | 0.18 | 0.67 |
| Expertise-professional | 1 | | 464 | 1.51 | 0.22 |  | 1 | 601 | 0.14 | 0.71 |
| Expertise-non-professional | 1 | | 464 | 0.10 | 0.75 |  | 1 | 601 | 0.00 | 0.99 |
| **Auditory Comprehension** | | | | | | |  |  |  |  |
| Baseline score | | 1 | 514 | 85.16 | <.0001 |  | 1 | 609 | 102.48 | <.0001 |
| Sex | | 1 | 514 | 0.86 | 0.36 |  | 1 | 609 | 0.68 | 0.41 |
| Age group | | 3 | 514 | 5.84 | 0.0006 |  | 3 | 609 | 6.17 | 0.0004 |
| Time since stroke group | | 3 | 514 | 1.23 | 0.30 |  | 3 | 609 | 1.31 | 0.27 |
| Randomisation | | - | - | - | - |  | 1 | 609 | 1.18 | 0.28 |
| Expertise-professional | | 1 | 514 | 0.49 | 0.49 |  | 1 | 609 | 0.57 | 0.45 |
| Expertise-non-professional | | 1 | 514 | 0.73 | 0.39 |  | 1 | 609 | 1.92 | 0.17 |
| **Functional Communication (Observer rated – with activity data)** | | | | | | | | |  |  |
| Baseline score | | 1 | 509 | 35.97 | <.0001 |  | 1 | 619 | 46.58 | <.0001 |
| Sex | | 1 | 509 | 5.53 | 0.019 |  | 1 | 619 | 4.38 | 0.037 |
| Age group | | 3 | 509 | 1.19 | 0.31 |  | 3 | 619 | 1.22 | 0.30 |
| Time since stroke group | | 3 | 509 | 3.12 | 0.026 |  | 3 | 619 | 3.39 | 0.018 |
| Randomisation | | - | - | - | - |  | 1 | 619 | 0.10 | 0.75 |
| Expertise-professional | | 1 | 509 | 2.94 | 0.087 |  | 1 | 619 | 0.10 | 0.75 |
| Expertise-non-professional | | 1 | 509 | 0.85 | 0.36 |  | 1 | 619 | 0.94 | 0.33 |

Key DF = degrees of freedom; F value = F statistic. \*Insufficient data on participants’ naming, other spoken language, reading comprehension or writing following non-professional delivery of SLT intervention.