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.