Supplementary Material 1

*Longitudinal correlations between original ERP measures (in Borgström et al., 2015a) and outcome measures at 6-7 years*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | TROG | Expressive Vocab. | Similarities Expressive | Language Ability | Verbal Executive Function | Fluid Intelligence |
|  | SPEARMAN | SPEARMAN | SPEARMAN | PEARSON | PEARSON | PEARSON |
| **Shape N400 Parietal (500-900 ms)** | **-.442\*** | **-.450\*** | **-.606\*\*** | **-.687\*\*\*** | -**.492\*\*** | **-.597\*\*** |
| *p-value* | *.035* | *.031* | *.002* | *< .001* | *.020* | *.003* |
| *n* | *23* | *23* | *23* | *23* | *23* | *23* |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Digit Span Forward | Digit Span Backward | Similarities Receptive | Speeded Naming | Auditory Analysis | CCC2 |
|  | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN |
| **Shape N400 Parietal (500-900 ms)** | -.357 | -.350 | -.301 | -.331 | -.139 | -.253 |
| *p-value* | *.095* | *.101* | *.162* | *.123* | *.526* | *.244* |
| *n* | *23* | *23* | *23* | *23* | *23* | *23* |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Digit Span Forward | Digit Span Back | Language Ability | Verbal Executive Function | Fluid Intelligence |  |
|  | SPEARMAN | SPEARMAN | PEARSON | PEARSON | PEARSON |  |
| **Shape N400 Central (500-900 ms)** | **-.541\*\*** | **-.668\*\*\*** | **-.453\*** | **-.671\*\*\*** | -.356 |  |
| *p-value* | *.008* | *<.001* | *.039* | *<.001* | *.096* |  |
| *n* | *23* | *23* | *23* | *23* | *23* |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | TROG | Expressive Vocabulary | Similarities Receptive | Similarities Expressive | Speeded Naming | Auditory Analysis | CCC2 |
|  | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN | SPEARMAN |
| **Shape N400 Central (500-900 ms)** | -.270 | -.064 | -.257 | -.402 | -.181 | -.169 | -.237 |
| *p-value* | *.213* | *.770* | *.237* | *.057* | *.408* | *.441* | *.276* |
| *n* | *23* | *23* | *23* | *23* | *23* | *23* | *23* |

Note. The shape N400 central effect between 700-900 ms that correlated with concurrent vocabulary at 20 months, also did not correlate with Expressive Vocabulary at 6-7 years ( *r* = -.064, *p* = .770).