# SUPPLEMENTAL TABLE

**Cognitive Test Domain Sub-test Scores**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | DRS2:  Attention | | DRS2: Conceptualization | | | DRS2:  Construction | | | DRS2: Initiation/Perseveration | | | DRS2:  Memory | |
| **Variable** | **OR**  **(95% CI)** | **p-value** | | **OR (95% CI)** | **p-value** | | **OR (95% CI)** | **p-value** | | **OR**  **(95% CI)** | **p-value** | **OR**  **(95% CI)** | **p-value** | |
| Female | 1.68 (0.98, 2.89) | 0.054 | | 3.07 (1.64, 5.76) | **0.00036** | | 1.69 (0.54, 5.23) | 0.36 | | 7.60 (2.94, 19.65) | **2.00E-05** | 1.73 (0.86, 3.47) | 0.12 | |
| Age – 1 year (Females) | 0.95 (0.90, 0.99) | **0.026** | | 0.94 (0.89, 0.99) | **0.02** | | 0.88 (0.78, 1.00) | **0.05** | | 0.89 (0.81, 0.98) | **0.012** | 0.95 (0.89, 1.01) | 0.076 | |
| Age – 1 year (Males) | 0.94 (0.91, 0.97) | **1.40E-04** | | 0.94 (0.91, 0.98) | **0.00086** | | 0.90 (0.84, 0.97) | **0.0032** | | 0.86 (0.82, 0.91) | **1.40E-07** | 0.90 (0.86, 0.93) | **2.00E-07** | |
| Disease duration at Initial Visit - years | 0.97 (0.94, 1.01) | 0.17 | | 1.00 (0.96, 1.04) | 0.95 | | 0.96 (0.89, 1.04) | 0.34 | | 0.98 (0.92, 1.04) | 0.52 | 0.96 (0.91, 1.00) | 0.066 | |
| Educational level – 1 year | 1.18 (1.07, 1.30) | **7.30E-04** | | 1.23 (1.10, 1.38) | **0.00035** | | 1.36 (1.10, 1.69) | **0.0042** | | 1.36 (1.16, 1.59) | **0.00014** | 1.23 (1.08, 1.40) | **0.0015** | |
| APOE e4 Dose | 0.59 (0.37, 0.97) | **0.033** | | 0.59 (0.34, 1.04) | 0.065 | | 0.93 (0.35, 2.47) | 0.88 | | 0.44 (0.21, 0.95) | **0.033** | 0.55 (0.29, 1.05) | 0.066 | |

A proportional odds model with patient-specific random effects was used to model the odds of a patient having a DRS2 score above versus below an arbitrary threshold as . The ’s are log odds ratios; thus their estimates and confidence intervals were exponentiated to obtain odds ratio estimates.