Table S6. Odds ratios for poor performance for participants with complete data also adjust for NART.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   | **SF-EMSE****Global function** | **HVLT****Verbal episodic memory** | **FTMS****Non-verbal episodic memory** | **PW-Accuracy**  | **Prospective Memory** | **VST Rxn. Time****Processing Speed** |
|   | 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) | OR | 95% CI(p value) |
|  |  |  |  |  |  |  |
| Age (per 5 year increase) | 1.48 | 1.39-1.57*(P*<0.001) | 1.71 | 1.60-1.82*(P*<0.001) | 1.51 | 1.42-1.60*(P*<0.001) | 1.39 | 1.31-1.48*(P*<0.001) | 1.41 | 1.35-1.48*(P*<0.001) | 1.34 | 1.26-1.43*(P*<0.001) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sex (Men vs Women a) | 0.79 | 0.65, 0.95 (*P*=0.01) | 1.74 | 1.45, 2.10 (*P*<0.001) | 1.09 | 0.91,-1.31 (*P*=0.3) | 1.50 | 1.24-1.81 (*P*<0.001) | 1.31 | 1.13-1.51 (*P*<0.001) | 1.16 | 0.96-1.41 (*P*=0.1) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Marital status (Single vs Married a) | 1.06 | 0.85-1.32 (*P*=0.6) | 0.96 | 0.77, 1.20 (*P*=0.7) | 1.18 | 0.95-1.45(*P*=0.1)  | 1.36 | 1.10-1.69 (*P*=0.01) | 1.04 | 0.87-1.24 (*P*=0.7) | 1.10 | 0.87-1.38 (*P*=0.4) |
|  |  |  |  |  |  |  |  |  |  |  |  | 0.2 |
| Social Class (Manual vs Non- Manual a) | 1.25 | 1.03, 1.51 (*P*=0.03) | 1.20 | 0.99, 1.46 (*P*= 0.06) | 1.11 | 0.91-1.34 (*P*=0.3) | 1.20 | 0.98-1.47 (*P*=0.07) | 1.06 | 0.90-1.24 (*P*=0.5) | 1.09 | 0.89-1.35 (*P*=0.4) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Education  a Education to the age of 16 or 18 vs No Qualifications a | 0.79 | 065, 0.97 (*P*=0.02) | 0.88 | 072, 1.07 (*P*=0.2) | 0.79 | 0.64, 0.96 (*P*=0.02) | 0.90 | 0.72, 1.11 (*P*=0.3) | 0.88 | 0.74, 1.05 (*P*=0.1) | 0.81 | 0.64, 1.01(*P*=0.06) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  a Education to graduate level vs No Qualifications a | 0.58 | 0.39, 0.87(*P*=0.01) | 0.49 | 0.33, 0.72 (*P*<0.001) | 0.53 | 0.37, 0.76 (*P*=0.01) | 0.86 | 0.60,1.22 (*P*=0.4) | 0.81 | 0.62, 1.06 (*P*=0.1)  | 0.81 | 0.58, 1.14 (*P*=0.2) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| NART Error Score | 1.07 | 1.06, 1.08(*P*<0.001) | 1.06 | 1.05, 1.07(*P*<0.001) | 1.03 | 1.02, 1.04(*P*<0.001) | 1.04 | 1.03, 1.05 (*P*<0.001) | 1.03 | 1.02, 1.04(*P*<0.001) | 1.01 | 1.00, 1.02 (*P*=0.2) |

a Reference category

Sensitivity analysis with Odds ratios for poor performance (defined as obtaining a score less than a cut-off point corresponding to the 10th Percentile of the population distribution adjusted for covariates (age, sex, marital Status, social class and education) and NART Error Score for the 5727 participants with complete data on all seven cognitive tests.

Abbreviations: A Level, Advanced Level; CANTAB-PAL, Cambridge Neuropsychological Test Automated Battery Paired Associates Learning Test; CI, Confidence Interval, FTMS, First Trial Memory Score; HVLT, Hopkins Verbal Learning Test; NART, National Adult Reading Test; N, Number; O Level, Ordinary Level; OR, Odds ratio, Rxn, Reaction; SF-EMSE:, Shortened version (Short form) of the Extended Mental State Exam; SD, Standard deviation; VST, Visual Sensitivity Test