|  |  |
| --- | --- |
| **Fully Adjusted** | **Verbal Memory Scores (Total Score = 45, n=1018)** |
|   | **Coefficient** | **95% CI** | **p value** |
| Verbal Memory aged 53 | 0.62 | 0.57 | 0.67 | <0.01 |
| CAR (per SD) | 0.03 | -0.24 | 0.31 | 0.81 |
| Age | -0.12 | -0.48 | 0.25 | 0.54 |
| Sex | 1.07 | 0.50 | 1.64 | <0.01 |
| Educational attainment at 26 |   |  |  |   |
| <O Levels | Ref |  |  |   |
| O Level | 1.26 | 0.47 | 2.05 |   |
| >=A levels | 1.42 | 0.72 | 2.11 | <0.01 |
| Hypertension at 64 | -0.30 | -0.89 | 0.28 | 0.31 |
| Diabetes at 60-64 | -1.39 | -2.80 | 0.01 | 0.05 |
| BMI at 60-64 (per SD) | -0.14 | -0.41 | 0.13 | 0.30 |
| Depression (GHQ "Case") | 0.28 | -0.47 | 1.02 | 0.47 |
|   |  |  |  |  |
| **Fully Adjusted** | **Verbal Memory Scores (Total Score = 45, n=708)** |
|   | **Coefficient** | **95% CI** | **p value** |
| Verbal Memory aged 53 | 0.63 | 0.57 | 0.70 | <0.01 |
| Am:pm Ratio (per SD) | 0.06 | -0.26 | 0.39 | 0.71 |
| Age | -0.30 | -0.74 | 0.14 | 0.18 |
| Sex | 1.04 | 0.37 | 1.70 | <0.01 |
| Educational attainment at 26 |   |  |  |   |
| <O Levels | Ref |  |  |   |
| O Level | 1.68 | 0.73 | 2.64 |   |
| >=A levels | 1.23 | 0.39 | 2.06 | <0.01 |
| Hypertension at 64 | -0.14 | -0.85 | 0.56 | 0.69 |
| Diabetes at 60-64 | -1.59 | -3.26 | 0.08 | 0.06 |
| BMI at 60-64 (per SD) | -0.17 | -0.48 | 0.15 | 0.30 |
| Depression (GHQ "Case") | 0.38 | -0.49 | 1.25 | 0.39 |
|  |  |  |  |  |
| **Fully Adjusted** | **Verbal Memory Scores (Total Score = 45, n=708)** |
|   | **Coefficient** | **95% CI** | **p value** |
| Verbal Memory aged 53 | 0.63 | 0.57 | 0.69 | <0.01 |
| AUC at 60-64 (per SD) | -0.23 | -0.53 | 0.08 | 0.14 |
| Age | -0.32 | -0.75 | 0.11 | 0.15 |
| Sex | 1.00 | 0.34 | 1.65 | <0.01 |
| Educational attainment at 26 |   |  |  |   |
| <O Levels | Ref |  |  |   |
| O Level | 1.67 | 0.72 | 2.63 |   |
| >=A levels | 1.25 | 0.43 | 2.07 | <0.01 |
| Hypertension at 64 | -0.13 | -0.84 | 0.57 | 0.71 |
| Diabetes at 60-64 | -1.62 | -3.29 | 0.04 | 0.06 |
| BMI at 60-64 (per SD) | -0.17 | -0.49 | 0.14 | 0.28 |
| Depression (GHQ "Case") | 0.40 | -0.47 | 1.27 | 0.36 |

**Supplementary Table 7**: Fully adjusted models of prospective associations between cortisol measures at ages 60-64 with later life verbal memory at age 69