# Supplementary Table S3

Summary: Results from the sensitivity analysis. The main analysis was repeated with the SDInew and the corresponding sample of respondents who completed the first cognitive testing in wave 5 (N=).

**Table S3. Results from linear growth models of the associations between SDInew and cognitive scores**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **M1** | **M2** | **M3** | **M4** |  | **M5** |  |
| **Intercept** | 0.05  (0.00)  \*\*\* | 0.43  (0.00)  \*\*\* | 0.28  (0.00)  \*\*\* | 0.51  (0.02)  \*\*\* |  | 0.61  (0.02)  \*\*\* |  |
| **Age** |  | -0.01  (0.00)  \*\*\* | 0.01  (0.00)  \*\*\* | -0.00  (0.00) |  | -0.00  (0.00)  \* |  |
| **Age2** |  |  | -0.00  (0.00)  \*\*\* | -0.00  (0.00)  \*\*\* |  | -0.00  (0.00)  \*\*\* |  |
|  |  |  |  | Cog.  Score | Cog.  Dec. | Cog.  Score | Cog.  Dec. |
| **SDI** |  |  |  | -0.26  (0.02)  \*\*\* | -0.00  (0.00)  \*\* | -0.24  (0.02)  \*\*\* | -0.00  (0.00)  \*\*\* |
| **Gender: Male**1 |  |  |  |  |  | -0.10  (0.01)  \*\*\* |  |
| **Marriage Status: Widowed**2 |  |  |  |  |  | -0.07  (0.02)  \*\*\* |  |
| **Marriage Status: Divorced/Separated**2 |  |  |  |  |  | 0.12  (0.02)  \*\*\* |  |
| **Marriage Status: Never married**2 |  |  |  |  |  | 0.03  (0.02) |  |
| **No. of chronic conditions** |  |  |  |  |  | 0.00  (0.00) |  |
| **EURO-D score** |  |  |  |  |  | -0.03  (0.00)  \*\*\* |  |
| **Goodness of fit** |  |  |  |  |  |  |  |
| **AIC** | 369396 | 184581 | 182368 | 13720 |  | 13540 |  |
| **BIC** | 369438 | 184652 | 182478 | 13794 |  | 13659 |  |

1 Female gender is the reference level; 2 Marriage status: Married/Partnered is the reference level; \*\*\*p<.001; \*\*p<.01; \*p<.05; Values in brackets are the standard errors (SE); Cog., Cognitive; Dec, Decline; M1, Model 1: Unconditional means model; M2, Model 2: Unconditional growth model; Model 3, Unconditional growth model w/ age2 ; M4, Model 4: Conditional model with SDI as predictor; M5, Model 5: Conditional model with addition of covariate