Supplemental Table 1. Individual subjective memory items.

Root question: *Are you same, better or worse than you used to be at…. :*

1. Remembering things (events, people, etc.) from a long time ago?

2. Remembering things that happened or were said a few days ago?

3. Remembering appointments, messages, etc.?

4. Remembering names of people you’ve known for a long time?

5. Remembering names of people you only met recently?

6. Remembering telephone numbers of people whom you call often?

7. Remembering where you’ve put things that you use often? (keys, watch, glasses, etc.)

8. Remembering how to use familiar appliances, tools, gadgets? (includes car)

9. Remembering a familiar/favorite recipe without looking it up?

10. Finding the right word to use to describe something you know well? (names of familiar objects, etc., not names of people)

11. Remembering what day/date/month it is?

12. Remembering a recent major event? e.g., trip, wedding

13. Remembering details of a major event?

14. Remembering when events happened in relation to each other? (Difficulty with time relationships, provide examples based on their own experiences.)

15. Remembering a few things you wanted to buy in the store, without writing them down?

16. Remembering to do important routine things like turn off the stove or lock the door?

Supplemental Table 2. Bivariate LCS model estimates (+ SE) for subjective memory and objective memory with baseline age, gender, education level, and baseline depression as covariates

|  |  |  |  |
| --- | --- | --- | --- |
|   |   | Subjective Memory | Objective Memory |
| **Fixed effect** |   |
| Proportion, β | 0.351 (0.146) \* | -0.752 (0.153) \*\*\* |
| Level mean, μ0 | -1.054 (0.233) \*\*\* | 3.338 (0.185) \*\*\* |
|  Slope mean, μs | -2.577 (0.484) \*\*\* | 2.558 (0.454)\*\*\* |
| Level variance, σ02 | 0.590 (0.025) \*\*\* | 0.404 (0.016) \*\*\* |
| Slope variance, σs2 | 0.241 (0.108) \* | 0.331 (0.128)\*\*  |
| Residual variance, σe2 | 0.284 (0.007) \*\*\* | 0.090 (0.002) \*\*\* |
| σ0,1 | -0.120 (0.065)  | 0.253 (0.050) \*\*\* |
|  |  |
| **Covariates** |  |  |
| Age→ Level | 0.015 (0.003)\*\*\* | -0.047 (0.002) \*\*\* |
| Age→ Slope | 0.035 (0.006) \*\*\* | -0.034 (0.006) \*\*\* |
| Gender→ Level | -0.167 (0.040)\*\*\* | 0.148 (0.033) \*\*\* |
| Gender→ Slope | -0.026 (0.028) | 0.020 (0.031) |
| Education1→ Level | -0.142 (0.062)\* | 0.214 (0.050)\*\*\* |
| Education1→ Slope | -0.094 (0.043)\* | 0.050 (0.048)  |
| Education2→ Level | -0.151 (0.064)\* | 0.396 (0.051) \*\*\* |
| Education2→ Slope | -0.213 (0.056)\*\*\* | 0.185 (0.062)\*\*  |
| Depression→Level | 0.096 (0.010)\*\*\* | -0.037 (0.008)\*\*\* |
| Depression→Slope  | -0.016 (0.010) | 0.022 (0.009)\* |
|  |  |
| **Covariances** |  |
| σSMo, OMo | -0.119 (0.014) \*\*\* |
| σSMs,OMs | -0.271 (0.115) \* |
| σSMo,OMs | 0.211 (0.053)\*\*\*  |
| σSMs,OMo | -0.243 (0.052) \*\*\* |
| σSMe,OMe | 0.004 (0.004)  |
|  |  |
| **Coupling Parameters** |  |
| SM to OM | -0.552 (0.120)\*\*\* |
| OM to SM | 0.647 (0.162)\*\*\* |
|  |  |
| **Fit Statistics** |  |
| X2 (74) | 385.83 |
| X2, p | <.001 |
| CFI |  .979 |

Note. LCS = latent change score; CFI = comparative fit index

\* p<.05; \*\* p<.01; \*\*\* p<.001

Supplemental Table 3. Bivariate LCS model estimates (+ SE) for subjective memory and objective language with baseline age, gender, education level, and baseline depression as covariates

|  |  |  |
| --- | --- | --- |
|    | Subjective Memory | Objective Language |
| **Fixed effect** |   |
| Proportion, β | -1.061 (0.141) \*\*\* | 0.310 (0.122) \* |
| Level mean, μ0 | -1.177 (0.253) \*\*\* | 2.845 (0.179) \*\*\* |
| Slope mean, μs | -2.006 (0.558) \*\*\* | -0.016 (0.283) |
| Level variance, σ02 | 0.676 (0.030) \*\*\* | 0.388 (0.014) \*\*\* |
| Slope variance, σs2 | 0.931 (0.265) \*\*\* | 0.089 (0.040)\*  |
| Residual variance, σe2 | 0.253 (0.006) \*\*\* | 0.111 (0.003) \*\*\* |
| σ0,1 | 0.425 (0.063) \*\*\* | -0.060 (0.036)  |
|  |  |
| **Covariates** |  |  |
| Age→ Level | 0.016 (0.003)\*\*\* | -0.041 (0.002) \*\*\* |
| Age→ Slope | -0.035 (0.008) \*\*\* | 0.001 (0.004)  |
| Gender→ Level | -0.164 (0.045)\*\*\* | 0.016 (0.032)  |
| Gender→ Slope | -0.128 (0.054)\* | 0.044 (0.020)\* |
| Education1→ Level | -0.083 (0.068) | 0.379 (0.048)\*\*\* |
| Education1→ Slope | 0.302 (0.100)\*\* | -0.064 (0.041)  |
| Education2→ Level | -0.068 (0.070) | 0.527 (0.049) \*\*\* |
| Education2→ Slope | 0.469 (0.122)\*\*\* | -0.107 (0.054)\*  |
| Depression→Level | 0.095 (0.011)\*\*\* | -0.041 (0.007)\*\*\* |
| Depression→Slope  | 0.035 (0.014)\* | -0.014 (0.005)\* |
|  |  |
| **Covariances** |  |
| σSMo, OLo | -0.133 (0.016) \*\*\* |
| σSMs,OLs | -0.262 (0.106) \* |
| σSMo,OLs | -0.166 (0.035)\*\*\*  |
| σSMs,OLo | 0.356 (0.066) \*\*\* |
| σSMe,OLe | 0.009 (0.004)\*  |
|  |  |
| **Coupling Parameters** |  |
| SM to OL | 0.332 (0.086)\*\*\* |
| OL to SM | -1.358 (0.215)\*\*\* |
|  |  |
| **Fit Statistics** |  |
| X2 (74) | 296.11 |
| X2, p | <.001 |
| CFI |  .984 |

Note. LCS = latent change score; CFI = comparative fit index

\* p<.05; \*\* p<.01; \*\*\* p<.001

Supplemental Table 3. Bivariate LCS model estimates (+ SE) for subjective memory and objective executive function with baseline age, gender, education level, and baseline depression as covariates

|  |  |  |
| --- | --- | --- |
|    | Subjective Memory | Objective Executive Function |
| **Fixed effect** |   |
| Proportion, β | -1.866 (0.237)\*\*\* | 0.949 (0.23)\*\*\* |
| Level mean, μ0 | -1.076 (0.253)\*\*\* | 3.183 (0.177)\*\*\* |
| Slope mean, μs | 12.722 (2.601)\*\*\* | -2.334 (0.674)\*\* |
| Level variance, σ02 | 0.685 (0.03)\*\*\* | 0.365 (0.014)\*\*\* |
| Slope variance, σs2 | 8.351 (2.714)\*\* | 0.326 (0.156)\* |
| Residual variance, σe2 | 0.234 (0.007)\*\*\* | 0.156 (0.003)\*\*\* |
| σ0,1 | 0.584 (0.115)\*\*\* | -0.293 (0.075)\*\*\* |
|  |  |
| **Covariates** |  |  |
| Age→ Level | 0.015 (0.003)\*\*\* | -0.046 (0.002)\*\*\* |
| Age→ Slope | -0.184 (0.037)\*\*\* | 0.034 (0.01)\*\*\* |
| Gender→ Level | -0.169 (0.045)\*\*\* | 0.083 (0.031)\*\* |
| Gender→ Slope | 0.105 (0.152) | -0.02 (0.03) |
| Education1→ Level | -0.096 (0.068) | 0.307 (0.047)\*\*\* |
| Education1→ Slope | 1.249 (0.327)\*\*\* | -0.233 (0.077)\*\* |
| Education2→ Level | -0.07 (0.069) | 0.425 (0.048)\*\*\* |
| Education2→ Slope | 1.78 (0.403)\*\*\* | -0.342 (0.099)\*\* |
| Depression→Level | 0.098 (0.01)\*\*\* | -0.04 (0.007)\*\*\* |
| Depression→Slope  | -0.022 (0.039) | 0.003 (0.008) |
|  |  |
| **Covariances** |  |
| σSMo, OEFo | -0.119 (0.015)\*\*\* |
| σSMs,OEFs | -1.644 (0.62)\*\* |
| σSMo,OEFs | -0.134 (0.037)\*\*\* |
| σSMs,OEFo | 1.524 (0.281)\*\*\* |
| σSMe,OEFe | 0.013 (0.003)\*\*\* |
|  |  |
| **Coupling Parameters** |  |
| SM to OEF | 0.396 (0.09)\*\*\* |
| OEF to SM | -4.839 (0.809)\*\*\* |
|  |  |
| **Fit Statistics** |  |
| X2 (74) | 283.52 |
| X2, p | <.001 |
| CFI | 0.983 |

Note. LCS = latent change score; CFI = comparative fit index

\* p<.05; \*\* p<.01; \*\*\* p<.001