### Supplementary Tables

Table 1. *Baseline Mean Level Differences in Key Study Variables by Participants’ Sex, Race, and Income.*

|                           | Total Sample | Frequency  | One-Year Decline (Yes) | Ten-year Decline (Yes) | Dementia in first-degree relatives | Neuroticism  | Conscientiousness | Extraversion  |
|---------------------------|--------------|------------|------------------------|------------------------|-----------------------------------|--------------|-------------------|--------------|
|                           | [% (n)]      | [M (SD)]   | [% (n)]                | [% (n)]                | [% (n)]                           | [M (SD)]     | [M (SD)]          | [M (SD)]     |
| **Sex differences**       |              |            |                        |                        |                                   |              |                   |              |
| Female                    | 63.2 (287)   | 2.72 (0.65)| 14.34 (40)             | 63.08 (176)            | 36.24 (104)                       | 21.08 (6.31) | 38.46 (5.96)      | 33.92 (5.90) |
| Male                      | 36.8 (167)   | 2.50 (0.73)| 14.72 (24)             | 56.79 (92)             | 35.33 (59)                        | 19.62 (5.74) | 38.60 (6.74)      | 34.62 (7.09) |
| **Significance Test**     |              |            |                        |                        |                                   |              |                   |              |
| t(439) = 3.36            |              |            | \(\chi^2(1) = 0.01\) | \(\chi^2(1) = 1.70\)  | \(\chi^2(1) = .04\)              | \(t(452) = 2.45\) | \(t(452) = -.23\) | \(t(298.74) = -1.12\) |
| p = < .001, d = 0.32     |              |            | \(p = .91\)            | \(p = .19\)           | \(p = .84\)                      | \(p = .01\),  \(d = 0.24\) | \(p = .82\), \(d = 0.02\) | \(p = .26\),  \(d = 0.11\) |
| **Race differences**      |              |            |                        |                        |                                   |              |                   |              |
| White                     | 67.0 (304)   | 2.67 (0.67)| 14.24 (42)             | 63.39 (187)            | 37.83 (115)                       | 20.80 (6.12) | 38.74 (6.39)      | 34.07 (6.53) |
| Black                     | 25.8 (117)   | 2.50 (0.76)| 14.91 (17)             | 54.87 (62)             | 34.19 (40)                        | 20.06 (6.28) | 37.92 (6.31)      | 34.21 (6.10) |
| Other                     | 7.3 (33)     | 2.82 (0.58)| 15.15 (5)              | 57.58 (19)             | 24.24 (8)                         | 19.91 (5.91) | 38.54 (4.59)      | 35.00 (5.90) |
| **Significance Test**     |              |            |                        |                        |                                   |              |                   |              |
| F(2, 438) = 3.62          |              |            | \(\chi^2(2) = 0.04\)  | \(\chi^2(2) = 2.64\)  | \(\chi^2(2) = 2.59\)             | \(F(2,451) = 0.80\) | \(F(2,451) = 0.72\) | \(F(2,451) = 0.32\) |
| p = .03, \(\eta^2 = .02\)|              |            | \(p = .98\)            | \(p = .27\)           | \(p = .27\)                      | \(p = .45\), \(\eta^2 = .00\) | \(p = .49\), \(\eta^2 = .00\) | \(p = .73\), \(\eta^2 = .00\) |
| **Income level differences** |            |            |                        |                        |                                   |              |                   |              |
| Below $15,000\textsuperscript{1}$ | 11.0 (46)   | 2.66 (0.74)| 18.18 (8)              | 62.79 (27)             | 21.74 (10)                        | 22.04 (6.02) | 38.06 (5.51)      | 33.50 (5.80) |
| $15,000-$30,000\textsuperscript{2}$ | 32.4 (136) | 2.67 (0.67)| 12.03 (16)             | 55.64 (74)             | 37.50 (51)                        | 20.76 (5.66) | 38.23 (6.06)      | 34.02 (5.85) |
| >$30,000\textsuperscript{3}$ | 56.6 (237)  | 2.61 (0.70)| 15.15 (35)             | 62.77 (145)            | 37.13 (88)                        | 20.22 (6.55) | 38.81 (6.64)      | 34.52 (6.83) |
| Significance Test       | $F(2, 404) = 0.36$ | $\chi^2(2) = 1.22$ | $\chi^2(2) = 1.91$ | $\chi^2(2) = 4.31$ | $F(2, 416) = 1.73$ | $F(2, 416) = 0.51$ | $F(2, 416) = 0.61$ |
|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                         | $p = .70, \eta^2 = .00$ | $p = .54$ | $p = .38$ | $p = .12$ | $p = .18, \eta^2 = .01$ | $p = .60, \eta^2 = .00$ | $p = .54, \eta^2 = .00$ |

*Note.* Frequency = Frequency of self-reported memory problems.
Table 2. Association of Five Personality Traits and Dementia in First-Degree Relatives with Self-Reported Memory

|                  | Frequency | One-Year Decline | Ten-Year Decline |
|------------------|-----------|------------------|------------------|
|                  | $b$ (SE)  | $OR$ (95%CI)     | $OR$ (95%CI)     |
| Intercept        | 2.58***   | -                | -                |
|                  | (0.07)    |                  |                  |
| Time             | 0.0005    | 1.12**           | 1.11**           |
|                  | (0.007)   | (1.04 – 1.21)    | (1.03 - 1.20)    |
| Sex (ref = male) | 0.12*     | 1.03             | 1.56             |
|                  | (0.06)    | (0.62 – 1.72)    | (0.91 – 2.66)    |
| Education        | 0.01      | 1.05             | 0.99             |
|                  | (0.01)    | (0.96 – 1.15)    | (0.90 – 1.09)    |
| Age              | -0.01     | 0.94*            | 0.95*            |
|                  | (0.01)    | (0.89 – 0.99)    | (0.90 – 1.00)    |
| Black (ref = White) | -0.19     | 0.70             | 1.07             |
|                  | (0.12)    | (0.24 – 2.03)    | (0.36 – 3.14)    |
| Income > $30,000 | -0.04     | 1.40             | 1.69             |
| (ref = $15,000 - $30,000) | (0.06) | (0.81 – 2.42)    | (0.97 – 2.97)    |
| Income < $15,000 | -0.05     | 1.26             | 0.91             |
| (ref = $15,000 - $30,000) | (0.09) | (0.53 – 2.98)    | (0.38 – 2.16)    |
| Dementia FDR     | 0.11      | 2.42**           | 1.23             |
|                  | (0.06)    | (1.37 – 4.27)    | (0.69 – 2.17)    |
| Neuroticism      | 0.00      | 1.06*            | 1.06*            |
|                  | (0.01)    | (1.01 – 1.11)    | (1.01 – 1.12)    |
| Conscientiousness| -0.01     | 0.97             | 0.99             |
|                  | (0.01)    | (0.93 – 1.02)    | (0.95 – 1.04)    |
| Extraversion     | -0.01*    | 0.94**           | 0.94*            |
|                  | (0.01)    | (0.90 – 0.98)    | (0.90 – 0.99)    |
| Agreeableness    | -0.005    | 1.00             | 1.04             |
|                  | (0.01)    | (0.95 – 1.06)    | (0.98 – 1.10)    |
| Openness         | 0.005     | 1.02             | 1.01             |
|                  | (0.005)   | (0.97 – 1.06)    | (0.97 – 1.06)    |
| Dementia FDR*    | 0.02*     | -                | -                |
| Neuroticism      | (0.01)    |                  |                  |
| Dementia FDR*    | 0.002     | -                | -                |
| Conscientiousness| (0.01)    |                  |                  |
| Dementia FDR*    | 0.02      | -                | -                |
| Extraversion     | (0.01)    |                  |                  |
| Dementia FDR*    | 0.01      | 0.92             | 0.96             |
| Time             | (0.01)    | (0.82 – 1.02)    | (0.86 – 1.07)    |
| Conscientiousness| -0.00     | -                | -                |
| Time             | (0.00)    |                  |                  |
| Extraversion* Time | 0.00      | -                | -                |
|                      | Value |     |
|----------------------|-------|-----|
| Conscientiousness*   | 0.004*|     |
| Dementia FDR* Time   | (0.002) |   |
| Extraversion*        | -0.004* |   |
| Dementia FDR* Time   | (0.002) |   |

*Freq = Frequency of Memory Problems. FDR = First-Degree Relative. Only significant interactions were retained in the models. In case of significant higher level interactions, related non-significant lower level interactions were also retained. *** \( p < .001 \), ** \( p < .01 \), * \( p < .05 \).