Supplementary Table 1. Characteristics of participants with and without follow-up data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | With Follow-Up (N=492) | Without Follow-Up (N=85) | Difference *p* |
| Age (years) | 74.0 (5.8) | 77.7 (7.4) | <.001 |
| Female (%) | 63.3 | 64.7 | .802 |
| Race/ethnicity |  |  | .709 |
|  | % Black | 41.2 | 44.7 |  |
|  | % Hispanic | 27.4 | 28.2 |  |
|  | % White | 31.4 | 27.1 |  |
| Education (years) | 13.4 (4.4) | 12.2 (4.5) | .022 |
| Chronic diseases (0-15) | 2.0 (1.4) | 2.5 (1.6) | .005 |
| Depressive symptoms (0-10) | 1.3 (1.7) | 1.4 (1.7) | .417 |
| Cognition |  |  |  |
|  | Episodic memory (composite) | 0.6 (0.7) | 0.2 (0.8) | <.001 |
|  | Language (composite) | 0.8 (0.6) | 0.4 (0.7) | <.001 |
|  | Visuospatial (composite) | 0.7 (0.5) | 0.5 (0.6) | <.001 |
|  | Executive/Speed (composite) | 0.1 (0.8) | -0.3 (1.0) | <.001 |
|  | Working Memory (0-26) | 13.5 (3.7) | 11.8 (4.3) | <.001 |
| Positive Psychosocial Factors |  |  |  |
|  | Life Satisfaction (theta) | 0.3 (1.0) | 0.2 (0.9) | .176 |
|  | Meaning & Purpose (theta) | 0.2 (1.0) | 0.0 (0.9) | .069 |
|  | Positive Affect (theta) | -0.2 (0.9) | -0.3 (0.9) | .315 |
|  | Emotional Support (theta) | -0.2 (1.0) | -0.5 (1.1) | .025 |
|  | Instrumental Support (theta) | -0.2 (1.1) | -0.3 (1.1) | .429 |
|  | Friendship (theta) | 0.0 (1.1) | -0.2 (1.2) | .033 |
|  | Self-Efficacy (theta) | 0.0 (1.0) | -0.2 (1.1) | .062 |

*Note.* Group differences were determined with independent samples t-tests for continuous variables and chi square tests for categorical variables.

Supplementary Table 2. Details of the NIH Toolbox Emotion Module surveys

|  |  |  |
| --- | --- | --- |
| Survey | Stem | Response Categories |
| Life Satisfaction | Indicate how much you agree or disagree | 5-point Likert-type scale from “*Strongly Disagree*” to “*Strongly Agree*” |
| Meaning & Purpose | Indicate how much you agree or disagree | 5-point Likert-type scale from “*Strongly Disagree*” to “*Strongly Agree*” |
| Positive Affect | In the past 7 days: | 5-point Likert-type scale from “*Not at all*” to “*Very Much*” |
| Emotional Support | In the past month, please describe how often… | 5-point Likert-type scale from “*Never*” to “*Always*” |
| Instrumental Support | In the past month, please describe how often… | 5-point Likert-type scale from “*Never*” to “*Always*” |
| Friendship | In the past month, please describe how often… | 5-point Likert-type scale from “*Never*” to “*Always*” |
| Self-Efficacy | Please read the sentence and decide how true it is of you in general | 5-point Likert-type scale from “*Never*” to “*Very Often*” |

Supplementary Table 3. Bivariate correlations between positive psychosocial factors, covariates, and cognition

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|   | Female | Education | Non-Hispanic Black | Hispanic | Depressive Symptoms | Chronic Diseases | Life Satisfaction | Meaning & Purpose | Positive Affect | Emotional Support | Instrumental Support | Friendship | Self-Efficacy | Language | Episodic Memory | Visuospatial Functioning | Executive/ Speed | Working Memory |
| Age | .006 | -.253\*\* | -.026 | .121\*\* | .032 | .227\*\* | -.003 | -.021 | -.082\* | -.063 | .073 | -.060 | -.096\* | -.277\*\* | -.315\*\* | -.256\*\* | -.365\*\* | -.374\*\* |
| Female |  | -.047 | .087\* | .024 | .042 | .114\*\* | .021 | .071 | .071 | .099\* | -.045 | .172\*\* | -.003 | -.033 | .116\*\* | -.011 | -.109\*\* | .022 |
| Education |  |  | .059 | -.521\*\* | -.053 | -.226\*\* | -.014 | -.107\*\* | .061 | -.116\*\* | -.172\*\* | -.072 | .131\*\* | .597\*\* | .386\*\* | .552\*\* | .552\*\* | .480\*\* |
| Non-Hispanic Black |  |  |  | -.521\*\* | -.032 | .129\*\* | -.219\*\* | -.006 | .077 | -.151\*\* | -.113\*\* | -.012 | -.049 | -.100\* | -.087\* | -.089\* | -.038 | -.006 |
| Hispanic |  |  |  |  | .025 | .085\* | .121\*\* | .106\* | -.069 | .191\*\* | .213\*\* | .125\*\* | -.050 | -.444\*\* | -.245\*\* | -.338\*\* | -.451\*\* | -.427\*\* |
| Depressive Symptoms |  |  |  |  |  | .157\*\* | -.321\*\* | -.232\*\* | -.309\*\* | -.245\*\* | -.156\*\* | -.246\*\* | -.272\*\* | -.091\* | -.134\*\* | -.096\* | -.116\*\* | -.065 |
| Chronic Diseases |  |  |  |  |  |  | -.058 | -.016 | -.052 | -.005 | .079 | .013 | -.046 | -.200\*\* | -.198\*\* | -.204\*\* | -.189\*\* | -.196\*\* |
| Life Satisfaction |  |  |  |  |  |  |  | .515\*\* | .540\*\* | .471\*\* | .368\*\* | .395\*\* | .355\*\* | .020 | .074 | -.001 | -.004 | -.063 |
| Meaning & Purpose |  |  |  |  |  |  |  |  | .509\*\* | .449\*\* | .334\*\* | .485\*\* | .391\*\* | -.085\* | -.032 | -.110\*\* | -.073 | -.131\*\* |
| Positive Affect |  |  |  |  |  |  |  |  |  | .395\*\* | .277\*\* | .414\*\* | .383\*\* | .043 | .078 | .003 | .085\* | -.006 |
| Emotional Support |  |  |  |  |  |  |  |  |  |  | .580\*\* | .674\*\* | .376\*\* | -.098\* | -.016 | -.110\*\* | -.111\*\* | -.097\* |
| Instrumental Support |  |  |  |  |  |  |  |  |  |  |  | .491\*\* | .277\*\* | -.173\*\* | -.120\*\* | -.186\*\* | -.166\*\* | -.184\*\* |
| Friendship |  |  |  |  |  |  |  |  |  |  |  |  | .343\*\* | -.061 | .029 | -.138\*\* | -.082\* | -.072 |
| Self-Efficacy |  |  |  |  |  |  |  |  |  |  |  |  |  | .192\*\* | .137\*\* | .094\* | .132\*\* | .108\* |
| Language |  |  |  |  |  |  |  |  |  |  |  |  |  |  | .613\*\* | .647\*\* | .672\*\* | .613\*\* |
| Episodic Memory |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | .489\*\* | .488\*\* | .465\*\* |
| Visuospatial Functioning |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | .600\*\* | .558\*\* |
| Executive/ Speed |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | .610\*\* |

\**p*<.05. \*\**p*<.01. *Note.* Correlations between continuous variables are expressed as Pearson’s *r*, while correlations involving categorical variables are expressed as Spearman’s rho.

Supplementary Table 4. Items from the NIH Toolbox Friendship survey

|  |
| --- |
| I get invited to go out and do things with other people. |
| I have friends I get together with to relax. |
| There are people around with whom to have fun. |
| I can find a friend when I need one. |
| I feel like I have lots of friends. |
| I have friends who will have lunch with me when I want. |
| I feel close to my friends. |
| I feel like I'm part of a group of friends. |