Supplementary Table 1. Associations† between included covariates and variables of interest in the whole sample

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age | Female | Education | Black | Hispanic | Language | Depressive symptoms | Hypertension | Diabetes | Heart disease | Stroke |
| Positive psychosocial variables |  |  |  |  |
| Self-Efficacy | -.098\* | -0.188 | .126\* | 0.703 | 1.066 | 0.591 | -.452\* | -0.138 | -1.238 | 0.973 | 1.604 |
| Emotional Support | -.068 | -1.987\* | -.124\* | 3.298\* | -4.417\* | -4.408\* | -.434\* | -2.457\* | -0.790 | -0.205 | -1.075 |
| Friendship | -.068 | -3.899\* | -.079 | 0.065 | -2.731\* | -2.407\* | -.375\* | -2.220\* | -1.212 | 1.195 | 0.760 |
| Instrumental Support | .066 | 1.003 | -.176\* | 2.439\* | -4.511\* | -4.429\* | -.342\* | -3.405\* | -2.208\* | -0.380 | 0.021 |
| Loneliness | -.058 | 0.716 | .169\* | -0.481 | 3.683\* | 3.998\* | .597\* | 2.786\* | 1.182 | 0.925 | -0.125 |
| Meaning & Purpose | -.032 | -1.927 | -.130\* | -0.572 | -2.928\* | -3.649\* | -.453\* | -1.818 | -0.618 | -0.684 | 0.400 |
| Positive Affect | -.090\* | -1.510 | .030 | -2.371\* | 1.173 | 1.291\* | -.502\* | -2.082\* | 1.475 | -0.070 | 0.983 |
| Life Satisfaction | -.018 | -0.378 | -.017 | 4.758\* | -2.878\* | -3.706\* | -.502\* | -0.374 | 0.744 | -0.658 | -0.553 |
| Cognitive outcomes |  |  |  |  |  |  |  |  |  |  |
| Memory | -.282\* | -2.524\* | .357\* | 3.229\* | 4.454\* | 5.574\* | -.003 | 3.030\* | 3.308\* | 1.681 | 1.098 |
| Language | -.242\* | 0.005 | .579\* | 1.861 | 10.608\* | 11.704\* | .078 | 4.851\* | 4.619\* | 1.311 | 2.351\* |
| Visuospatial | -.255\* | -0.087 | .514\* | 2.117\* | 7.427\* | 9.001\* | .088\* | 4.918\* | 4.010\* | 0.767 | -0.241 |
| DCCS | -.295\* | 1.684 | .498\* | 1.730 | 9.883\* | 13.816\* | .004 | 3.719\* | 4.227\* | 0.704 | 1.397 |
| Flanker | -.244\* | 2.651\* | .462\* | 1.131 | 11.516\* | 12.559\* | -.021 | 3.632\* | 4.667\* | -0.448 | 0.877 |
| List Sorting | -.357\* | -0.489 | .490\* | 0.326 | 10.752\* | 11.821\* | .159\* | 4.609\* | 3.573\* | 1.073 | 2.799\* |
| Pattern Comparison | -.303\* | 1.754 | .419\* | -0.415 | 9.540 | 10.390\* | -.013 | 1.910 | 4.280\* | -0.104 | 1.150 |

\* *p* < 0.05

† Pearson’s *r* for continuous covariates; t-statistic for dichotomous covariates

Supplementary Table 2. Correlation matrix for positive psychosocial variables

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Whole sample (N=548) |
| 1. Self-Efficacy | - |  |  |  |  |  |  |
| 2. Emotional Support | .371 | - |  |  |  |  |  |
| 3. Friendship | .361 | .680 | - |  |  |  |  |
| 4. Instrumental Support | .281 | .580 | .506 | - |  |  |  |
| 5. Loneliness | -.337 | -.558 | -.563 | -.472 | - |  |  |
| 6. Meaning & Purpose | .403 | .456 | .491 | .341 | -.458 | - |  |
| 7. Positive Affect | .402 | .396 | .418 | .290 | -.425 | .508 | - |
| 8. Life Satisfaction | .374 | .472 | .384 | .370 | -.450 | .513 | .558 |
| Black (N=225) |
| 1. Self-Efficacy | - |  |  |  |  |  |  |
| 2. Emotional Support | .285 | - |  |  |  |  |  |
| 3. Friendship | .364 | .675 | - |  |  |  |  |
| 4. Instrumental Support | .199 | .595 | .581 | - |  |  |  |
| 5. Loneliness | -.321 | -.561 | -.632 | -.473 | - |  |  |
| 6. Meaning & Purpose | .424 | .473 | .512 | .345 | -.454 | - |  |
| 7. Positive Affect | .344 | .437 | .460 | .376 | -.494 | .525 | - |
| 8. Life Satisfaction | .342 | .415 | .410 | .354 | -.378 | .522 | .641 |
| Hispanic (N=153) |
| 1. Self-Efficacy | - |  |  |  |  |  |  |
| 2. Emotional Support | .470 | - |  |  |  |  |  |
| 3. Friendship | .365 | .742 | - |  |  |  |  |
| 4. Instrumental Support | .419 | .585 | .520 | - |  |  |  |
| 5. Loneliness | -.390 | -.592 | -.546 | -.573 | - |  |  |
| 6. Meaning & Purpose | .424 | .568 | .539 | .477 | -.470 | - |  |
| 7. Positive Affect | .423 | .465 | .445 | .316 | -.356 | .480 | - |
| 8. Life Satisfaction | .335 | .559 | .403 | .378 | -.536 | .554 | .517 |
| White (N=170) |
| 1. Self-Efficacy | - |  |  |  |  |  |  |
| 2. Emotional Support | .421 | - |  |  |  |  |  |
| 3. Friendship | .413 | .606 | - |  |  |  |  |
| 4. Instrumental Support | .287 | .500 | .356 | - |  |  |  |
| 5. Loneliness | -.372 | -.480 | -.441 | -.288 | - |  |  |
| 6. Meaning & Purpose | .432 | .319 | .391 | .173 | -.410 | - |  |
| 7. Positive Affect | .502 | .333 | .343 | .194 | -.441 | .550 | - |
| 8. Life Satisfaction | .481 | .421 | .364 | .352 | -.499 | .527 | .612 |

\* *p* < 0.05

Supplementary Table 3. Correlations between positive psychosocial variables and cognitive outcomes

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Memory | Language | Visuospatial | DCCS | Flanker | List Sorting | Pattern Comparison |
| Whole sample (N=548) |
| 1. Self-Efficacy | .151\* | .207\* | .080 | .153\* | .130\* | .094\* | .124\* |
| 2. Emotional Support | -.008 | -.080 | -.090\* | -.071 | -.101\* | -.089 | -.057 |
| 3. Friendship | .022 | -.059 | -.127\* | -.041 | -.112\* | -.045 | -.038 |
| 4. Instrumental Support | -.101\* | -.154\* | -.143\* | -.092\* | -.147\* | -.169\* | -.087 |
| 5. Loneliness | .033 | .161\* | .123\* | .108\* | .107\* | .133\* | .085 |
| 6. Meaning & Purpose | -.037 | -.079 | -.130\* | -.050 | -.068 | -.140\* | -.040 |
| 7. Positive Affect | .048 | .038 | -.049 | .064 | .069 | -.024 | .107\* |
| 8. Life Satisfaction | .093\* | .038 | -.001 | .061 | .011 | -.056 | .028 |
| Black (N=225) |
| 1. Self-Efficacy | .180\* | .293\* | .117 | .112 | .193\* | .159\* | .172\* |
| 2. Emotional Support | -.010 | -.051 | .018 | -.052 | -.025 | .052 | -.002 |
| 3. Friendship | .116 | .056 | .008 | .000 | -.031 | .018 | .010 |
| 4. Instrumental Support | -.019 | -.113 | -.122 | -.057 | -.082 | -.045 | .020 |
| 5. Loneliness | -.015 | .045 | -.007 | .019 | -.039 | .015 | -.047 |
| 6. Meaning & Purpose | -.031 | .037 | -.055 | -.048 | -.003 | -.108 | .072 |
| 7. Positive Affect | .046 | -.025 | -.048 | .048 | .092 | -.039 | .098 |
| 8. Life Satisfaction | -.009 | .017 | -.013 | .053 | -.017 | -.058 | .014 |
| Hispanic (N=153) |
| 1. Self-Efficacy | -.010 | .051 | -.065 | .128 | -.091 | -.110 | -.048 |
| 2. Emotional Support | .010 | -.125 | -.197\* | -.129 | -.155 | -.242\* | -.067 |
| 3. Friendship | -.009 | -.071 | -.174\* | -.031 | -.079 | -.126 | .002 |
| 4. Instrumental Support | -.163\* | -.182\* | -.148\* | -.120 | -.247\* | -.233\* | -.119 |
| 5. Loneliness | .037 | .133 | .140 | .133 | .223\* | .189\* | .120 |
| 6. Meaning & Purpose | .022 | -.079 | -.120 | -.047 | -.208\* | -.208\* | -.061 |
| 7. Positive Affect | .020 | .076 | -.081 | .137 | .007 | .887 | .086 |
| 8. Life Satisfaction | .138 | -.018 | -.085 | -.057 | -.153 | -.082 | -.015 |
| White (N=170) |
| 1. Self-Efficacy | .214\* | .218\* | .151\* | .149 | .150 | .141 | .149 |
| 2. Emotional Support | .052 | .145 | .122 | .143 | .031 | .131 | .158 |
| 3. Friendship | .074 | .074 | -.027 | .127 | -.034 | .207\* | .106 |
| 4. Instrumental Support | -.058 | .055 | .073 | .115 | .050 | -.037 | .099 |
| 5. Loneliness | -.083 | .073 | -.004 | -.061 | -.059 | -.061 | -.093 |
| 6. Meaning & Purpose | .065 | .049 | -.004 | .187\* | .179\* | .075 | .111 |
| 7. Positive Affect | .155\* | .176\* | .042 | .085 | .135 | -.016 | .187\* |
| 8. Life Satisfaction | .154\* | .132 | .110 | .157\* | .131 | -.025 | .164\* |

\* *p* < 0.05