Table 1. Tests comparing PGS status across functional outcomes (continued on next page)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Test Statistic** | | | **95% Confidence Interval** | |
| **Dependent Variable (range)** | **PGS Status** | **Mean** | ***s.e.*** | ***F,*** χ2 ***or H*** | ***p\**** | ***df*** | **Lower** | **Upper** |
| Cognition |  |  |  |  |  |  |  |  |
| AHPVT standardized score (50-141) | Low | 104.13 | .72 | *F*=24.56 | <.001 | 2 | 102.70 | 105.55 |
|  | Medium | 101.40 | .55 |  |  |  | 100.32 | 102.49 |
|  | High | 99.06 | .64 |  |  |  | 97.80 | 100.32 |
| Educational Attainment |  |  |  |  |  |  |  |  |
| Highest degree attained (1-10) | Low | 5.87 | .11 | *H*=109.30 | <.001 | 2 | 5.66 | 6.08 |
|  | Medium | 5.54 | .07 |  |  |  | 5.40 | 5.70 |
|  | High | 5.09 | .10 |  |  |  | 4.89 | 5.29 |
| Mental Health and Behavior |  |  |  |  |  |  |  |  |
| CES-D depression symptoms (0-15) | Low | 6.17 | .16 | *H*=11.71 | <.001 | 2 | 5.85 | 6.49 |
|  | Medium | 6.73 | .11 |  |  |  | 6.52 | 6.93 |
|  | High | 7.00 | .21 |  |  |  | 6.59 | 7.41 |
| DSM-IV alcohol abuse/dependence (0-1) | Low | .32 | .02 | χ2=2.08 | .350 | 2 | .29 | .35 |
|  | Medium | .29 | .01 |  |  |  | .27 | .31 |
|  | High | .25 | .02 |  |  |  | .21 | .29 |
| DSM-IV illicit drug abuse/dependence (0-1) | Low | .08 | .01 | χ2=13.12 | <.001 | 2 | .06 | .10 |
|  | Medium | .08 | .00 |  |  |  | .07 | .09 |
|  | High | .10 | .01 |  |  |  | .08 | .12 |
| Ever arrested (0-1) | Low | .26 | .01 | χ2=28.32 | <.001 | 2 | .24 | .29 |
|  | Medium | .29 | .01 |  |  |  | .27 | .31 |
|  | High | .34 | .02 |  |  |  | .31 | .38 |
| Perceived Stress (0-16) | Low | 4.56 | .11 | *H*=13.91 | <.001 | 2 | 4.34 | 4.77 |
|  | Medium | 4.85 | .08 |  |  |  | 4.70 | 5.00 |
|  | High | 5.02 | .11 |  |  |  | 4.79 | 5.24 |

Table 1. Tests comparing PGS status across functional outcomes (continued from previous page)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Test Statistic** | | | **95% Confidence Interval** | |
| **Dependent Variable** | **PGS Status** | **Mean** | ***s.e.*** | ***F,*** χ2 ***or H*** | ***p\**** | ***df*** | **Lower** | **Upper** |
| Physical Health |  |  |  |  |  |  |  |  |
| BMI (1-6) | Low | 3.11 | .04 | *H*=37.70 | <.001 | 2 | 3.04 | 3.18 |
|  | Medium | 3.33 | .03 |  |  |  | 3.27 | 3.39 |
|  | High | 3.47 | .06 |  |  |  | 3.36 | 3.58 |
| Hypertension stage 2 (0-1) | Low | .12 | .01 | χ2=5.72 | .060 | 2 | .09 | .14 |
|  | Medium | .14 | .01 |  |  |  | .13 | .16 |
|  | High | .14 | .01 |  |  |  | .12 | .17 |
| High blood cholesterol (0-1) | Low | .08 | .01 | χ2=2.85 | .240 | 2 | .06 | .10 |
|  | Medium | .07 | .01 |  |  |  | .06 | .08 |
|  | High | .09 | .01 |  |  |  | .07 | .11 |

\*P-values are reported to the thousandsth decimal point due to the Bonferonni correction threshold of *p*<.005.

Note. Results show parametric and nonparametric tests of PGS group comparisons on functional outcomes. A one-way ANOVA was performed to examine differences on continuous and normally distributed outcomes. Kruskal-Wallis H tests were used to test for differences on ordinal or continuous outcomes, and chi-square tests were used for binary outcomes. “Low” PGS is the lowest quintile (<20th percentile) of the PGS distribution, “Medium” PGS is the combination of the second, third, and fourth quintiles (21st – 79th percentile) of the PGS distribution, “High” PGS is the fifth quintile (>80th percentile) of the PGS distribution.

Table 2. Pairwise contrasts of PGS groups on dependent variables (continued on next page)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Test Statistic** | | |
| **PGS Group Contrasts (dummy code)** | **Dependent Variable** | ***T,*** χ2 ***or H*** | ***df*** | ***p\**** |
| Low (0) versus Medium (1) | Cognition |  |  |  |
|  | AHPVT standardized score | *T*=5.52 | 5871 | <.001 |
|  | Educational Attainment |  |  |  |
|  | Highest degree attained | *H*=36.14 | 1 | <.001 |
|  | Mental Health and Behavior |  |  |  |
|  | CES-D depression symptoms | *H=*2.56 | 1 | .109 |
|  | DSM-IV alcohol abuse/dependence | χ2=.81 | 1 | .369 |
|  | DSM-IV illicit drug abuse/dependence | χ2=.24 | 1 | .625 |
|  | Ever arrested | χ2=2.45 | 1 | .118 |
|  | Perceived stress | *H*=2.85 | 1 | .091 |
|  | Physical Health |  |  |  |
|  | BMI | *H*=21.56 | 1 | <.001 |
|  | Hypertension stage 2 | χ2=4.14 | 1 | .042 |
|  | High blood cholesterol | χ2=.48 | 1 | .487 |
| Low (0) versus High (2) | Cognition |  |  |  |
|  | AHPVT standardized score | *T*=6.75 | 2934 | <.001 |
|  | Educational Attainment |  |  |  |
|  | Highest degree attained | *H*=107.24 | 1 | <.001 |
|  | Mental Health and Behavior |  |  |  |
|  | CES-D depression symptoms | *H*=8.97 | 1 | .003 |
|  | DSM-IV alcohol abuse/dependence | χ2=2.08 | 1 | .149 |
|  | DSM-IV illicit drug abuse/dependence | χ2=9.05 | 1 | .003 |
|  | Ever arrested | χ2=24.13 | 1 | <.001 |
|  | Perceived stress | *H*=13.61 | 1 | <.001 |

Table 2. Pairwise contrasts of PGS groups on dependent variables (continued from previous page)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | **Test Statistic** | | |
| **PGS Group Contrasts** | **Dependent Variable** | ***T,*** χ2 ***or H*** | ***df*** | ***p\**** |
| Low (0) versus High (1) | Physical Health |  |  |  |
|  | BMI | *H*=35.72 | 1 | <.001 |
|  | Hypertension stage 2 | χ2=5.19 | 1 | .023 |
|  | High blood cholesterol | χ2=.60 | 1 | .438 |
| Medium (1) versus High (2) | Cognition |  |  |  |
|  | AHPVT standardized score | *T*=2.85 | 5873 | .004 |
|  | Educational Attainment |  |  |  |
|  | Highest degree attained | *H*=46.82 | 1 | <.001 |
|  | Mental Health and Behavior |  |  |  |
|  | CES-D depression symptoms | *H=*4.23 | 1 | .040 |
|  | DSM-IV alcohol abuse/dependence | χ2=.75 | 1 | .386 |
|  | DSM-IV illicit drug abuse/dependence | χ2=11.00 | 1 | .001 |
|  | Ever arrested | χ2=20.37 | 1 | <.001 |
|  | Perceived stress | *H*=7.72 | 1 | .005 |
|  | Physical Health |  |  |  |
|  | BMI | *H*=7.81 | 1 | .005 |
|  | Hypertension stage 2 | χ2=.53 | 1 | .467 |
|  | High blood cholesterol | χ2=2.79 | 1 | .095 |

\*P-values are reported to the thousandsth decimal point due to the Bonferonni correction threshold of *p*<.005.