**SUPPLEMENTARY MATERIALS**

Table S1 – Bivariate correlations among PRSs

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | 16. | 17. | 18. | 19. | 20. | 21. |
| 1.Adventurousness |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.Disinhibition | .097\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.Number of Sexual Partners | .109\* | .630\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.Risk Tolerance | .481\* | .125\* | .157\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.Drinks Per Week (Linnér ) | .032\* | .556\* | .193\* | .026 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6.Drinks per Week (Liu) | -.051\* | -.374\* | -.137\* | -.030\* | -.594\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.Smoking - Ever Smoked Regularly | -.073\* | -.377\* | -.265\* | -.072\* | -.161\* | .171\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.Depression | -.028 | .027 | .062\* | -.056\* | -.022 | -.013 | -.090\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.Neuroticism | -.026 | -.023 | -.028 | -.017 | -.027 | .034\* | .027 | .314\* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.PTSD | .001 | .029\* | .019 | .021 | .036\* | .017 | .083\* | .055\* | .127\* |  |  |  |  |  |  |  |  |  |  |  |  |
| 11.Insomnia | .014 | .018 | -.013 | -.004 | .016 | -.039\* | .035\* | .107\* | .214\* | .092\* |  |  |  |  |  |  |  |  |  |  |  |
| 12.Bipolar Disorder | .017 | .001 | .079\* | .027 | -.026 | .029\* | -.179\* | .057\* | -.028 | -.259\* | -.176\* |  |  |  |  |  |  |  |  |  |  |
| 13.Schizophrenia | .038\* | .071\* | .105\* | .087\* | .018 | -.033\* | -.029\* | .112\* | .071\* | .120\* | -.009 | .080\* |  |  |  |  |  |  |  |  |  |
| 14.ADHD | .031\* | .067\* | .060\* | .068\* | -.002 | -.006 | -.105\* | .151\* | .090\* | -.009 | .020 | .070\* | .057\* |  |  |  |  |  |  |  |  |
| 15.Autism Spectrum Disorder | -.039\* | -.024 | -.002 | -.095\* | -.009 | -.004 | .010 | .088\* | .028 | .106\* | -.003 | -.013 | .080\* | .254\* |  |  |  |  |  |  |  |
| 16.Knee Pain | .019 | .041\* | .004 | -.018 | .016 | -.019 | -.046\* | .039\* | .042\* | -.075\* | .024 | .043\* | -.026 | .032\* | -.006 |  |  |  |  |  |  |
| 17.Chronic Multisite Pain | -.003 | .050\* | .061\* | .036\* | -.039\* | .013 | -.073\* | .190\* | .232\* | .071\* | .167\* | .013 | .035\* | .139\* | .037\* | .115\* |  |  |  |  |  |
| 18.Chronic Back Pain | .021 | .027 | .040\* | -.004 | .002 | -.026 | -.083\* | .096\* | .091\* | -.026 | .071\* | .037\* | .002 | .071\* | .005 | .032\* | .345\* |  |  |  |  |
| 19.Educational Attainment | .014 | .006 | .007 | -.031\* | .061\* | -.073\* | .062\* | -.085\* | -.170\* | -.018 | -.067\* | -.038\* | .000 | -.160\* | .033\* | -.055\* | -.241\* | -.082\* |  |  |  |
| 20.Intelligence | -.007 | .002 | -.022 | -.063\* | .064\* | -.110\* | -.017 | -.047\* | -.113\* | .056\* | .023 | -.101\* | -.060\* | -.088\* | .035\* | -.057\* | -.181\* | -.028 | .454\* |  |  |
| 21.Alzheimer's Disease | -.019 | .020 | .016 | -.007 | .010 | -.015 | -.011 | .044\* | .016 | .087\* | .020 | -.014 | .008 | -.018 | .037\* | -.004 | .021 | -.001 | -.035\* | .020 |  |
| 22.Body Mass Index | .028 | .006 | .040\* | .088\* | -.055\* | -.023 | -.154\* | .060\* | -.024 | -.254\* | -.063\* | .223\* | -.030\* | .105\* | -.027 | .038\* | .088\* | .077\* | -.080\* | -.077\* | -.028 |

**Note:** Asterisk indicates significant associations at nominal p<.05. PRS p-value threshold=1.

Table S2 - Sensitivity analyses at alternative PRS p-value thresholds

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Polygenic Risk Score | 1-Factor Solution |  | 5-Factor Solution | | | | |
| General (p) |  | Externalizing | Internalizing | Neurodevelopmental | Somatoform | Detachment |
| **PRS p-value threshold=.01** |  |  |  |  |  |  |  |
| *Externalizing* |  |  |  |  |  |  |  |
| Adventurousness | .027 |  | **.050** | -.020 | .031 | .001 | -.017 |
| Disinhibition | .022 |  | **.048** | **-.038** | **.029** | .007 | -.010 |
| Number of Sexual Partners | .031 |  | **.042** | -.006 | .024 | .029 | -.002 |
| Risk Tolerance | .003 |  | .010 | -.011 | .005 | .000 | -.009 |
| Drinks Per Week (Linnér ) | -.012 |  | -.007 | -.017 | -.002 | -.015 | -.027 |
| Drinks per Week (Liu) | .015 |  | -.002 | .033 | -.003 | **.039** | **.037** |
| Smoking - Ever Smoked Regularly | **-.066** |  | **-.087** | -.004 | **-.066** | **-.047** | -.019 |
| *Internalizing* |  |  |  |  |  |  |  |
| Depression | **.081** |  | **.063** | **.064** | **.065** | **.080** | **.043** |
| Neuroticism | **.067** |  | **.056** | **.063** | **.040** | **.065** | **.053** |
| PTSD | .028 |  | .018 | .025 | .022 | **.039** | -.005 |
| Insomnia | **.043** |  | .031 | **.035** | **.041** | **.046** | .024 |
| *Thought Disorder* |  |  |  |  |  |  |  |
| Bipolar Disorder | .015 |  | -.006 | .029 | .016 | .016 | .030 |
| Schizophrenia | .006 |  | .002 | .020 | -.004 | -.001 | .014 |
| *Neurodevelopmental* |  |  |  |  |  |  |  |
| ADHD | **.068** |  | **.075** | -.008 | **.090** | **.043** | .000 |
| Autism Spectrum Disorder | **.048** |  | .033 | .028 | **.058** | .011 | **.041** |
| *Somatoform* |  |  |  |  |  |  |  |
| Knee Pain | -.013 |  | -.011 | -.019 | .009 | -.017 | -.007 |
| Chronic Multisite Pain | **.068** |  | **.056** | .028 | **.077** | **.061** | .025 |
| Chronic Back Pain | .016 |  | .008 | .018 | .010 | .026 | -.015 |
| *Other Psychopathology-related* |  |  |  |  |  |  |  |
| Educational Attainment | **-.077** |  | **-.090** | -.007 | **-.070** | **-.055** | -.033 |
| Intelligence | -.018 |  | -.027 | .017 | -.026 | .002 | -.023 |
| Alzheimer's Disease | .009 |  | .007 | .000 | .009 | .019 | .013 |
| Body Mass Index | **.038** |  | **.049** | -.010 | **.039** | .027 | **.042** |
| **PRS p-value threshold=.05** |  |  |  |  |  |  |  |
| *Externalizing* |  |  |  |  |  |  |  |
| Adventurousness | .027 |  | **.050** | -.020 | .031 | .001 | -.017 |
| Disinhibition | **.042** |  | **.065** | -.022 | **.045** | .020 | -.003 |
| Number of Sexual Partners | **.052** |  | **.066** | .000 | **.040** | **.043** | .008 |
| Risk Tolerance | .003 |  | .010 | -.011 | .005 | .000 | -.009 |
| Drinks Per Week (Linnér ) | .000 |  | .000 | -.006 | .011 | -.009 | -.028 |
| Drinks per Week (Liu) | .005 |  | -.005 | .024 | -.011 | .018 | **.036** |
| Smoking - Ever Smoked Regularly | **-.070** |  | **-.091** | -.004 | **-.065** | **-.050** | -.028 |
| *Internalizing* |  |  |  |  |  |  |  |
| Depression | **.086** |  | **.070** | **.060** | **.070** | **.082** | **.048** |
| Neuroticism | **.085** |  | **.070** | **.075** | **.060** | **.084** | **.060** |
| PTSD | **.045** |  | **.038** | **.037** | **.034** | **.055** | -.003 |
| Insomnia | **.049** |  | **.043** | **.037** | **.044** | **.042** | .012 |
| *Thought Disorder* |  |  |  |  |  |  |  |
| Bipolar Disorder | -.001 |  | -.006 | -.001 | .003 | -.001 | .004 |
| Schizophrenia | .009 |  | .011 | .017 | -.006 | .000 | .014 |
| *Neurodevelopmental* |  |  |  |  |  |  |  |
| ADHD | **.080** |  | **.090** | .001 | **.095** | **.044** | .019 |
| Autism Spectrum Disorder | **.049** |  | **.037** | .019 | **.059** | .027 | **.042** |
| *Somatoform* |  |  |  |  |  |  |  |
| Knee Pain | -.018 |  | -.008 | **-.036** | .001 | -.017 | -.013 |
| Chronic Multisite Pain | **.089** |  | **.081** | **.039** | **.093** | **.068** | .025 |
| Chronic Back Pain | **.047** |  | .036 | .029 | **.050** | **.040** | -.002 |
| *Other Psychopathology-related* |  |  |  |  |  |  |  |
| Educational Attainment | **-.079** |  | **-.092** | -.008 | **-.070** | **-.067** | -.022 |
| Intelligence | -.011 |  | -.024 | .032 | -.025 | .004 | -.012 |
| Alzheimer's Disease | .008 |  | .000 | .009 | .011 | .010 | .007 |
| Body Mass Index | **.037** |  | **.050** | -.016 | **.042** | .018 | **.034** |
| **PRS p-value threshold=.10** |  |  |  |  |  |  |  |
| *Externalizing* |  |  |  |  |  |  |  |
| Adventurousness | .027 |  | **.050** | -.020 | .031 | .001 | -.017 |
| Disinhibition | **.043** |  | **.063** | -.018 | **.043** | .028 | -.005 |
| Number of Sexual Partners | **.049** |  | **.064** | -.003 | **.037** | **.044** | .009 |
| Risk Tolerance | .003 |  | .010 | -.011 | .005 | .000 | -.009 |
| Drinks Per Week (Linnér ) | -.002 |  | .003 | -.010 | .006 | -.013 | -.028 |
| Drinks per Week (Liu) | .002 |  | -.002 | .014 | -.012 | .011 | .030 |
| Smoking - Ever Smoked Regularly | **-.080** |  | **-.101** | -.010 | **-.074** | **-.050** | -.027 |
| *Internalizing* |  |  |  |  |  |  |  |
| Depression | **.081** |  | **.069** | **.051** | **.068** | **.072** | **.041** |
| Neuroticism | **.079** |  | **.062** | **.072** | **.063** | **.072** | **.056** |
| PTSD | **.044** |  | **.042** | .026 | **.036** | **.043** | .001 |
| Insomnia | **.043** |  | .033 | .034 | **.042** | **.041** | .007 |
| *Thought Disorder* |  |  |  |  |  |  |  |
| Bipolar Disorder | -.013 |  | -.018 | -.010 | -.004 | -.002 | -.011 |
| Schizophrenia | .009 |  | .009 | .019 | -.006 | .002 | .016 |
| *Neurodevelopmental* |  |  |  |  |  |  |  |
| ADHD | **.086** |  | **.096** | .003 | **.100** | **.042** | .024 |
| Autism Spectrum Disorder | **.047** |  | .031 | .028 | **.052** | .027 | **.049** |
| *Somatoform* |  |  |  |  |  |  |  |
| Knee Pain | -.008 |  | -.002 | -.031 | .013 | -.019 | -.007 |
| Chronic Multisite Pain | **.095** |  | **.086** | **.041** | **.100** | **.075** | .028 |
| Chronic Back Pain | **.057** |  | **.048** | **.040** | **.050** | **.046** | -.001 |
| *Other Psychopathology-related* |  |  |  |  |  |  |  |
| Educational Attainment | **-.074** |  | **-.089** | -.007 | **-.064** | **-.059** | -.016 |
| Intelligence | -.011 |  | -.021 | .029 | -.023 | .002 | -.012 |
| Alzheimer's Disease | .000 |  | -.011 | .018 | -.003 | .017 | -.003 |
| Body Mass Index | **.040** |  | **.056** | -.021 | **.050** | .015 | .033 |
| **PRS p-value threshold=.50** |  |  |  |  |  |  |  |
| *Externalizing* |  |  |  |  |  |  |  |
| Adventurousness | .027 |  | **.050** | -.020 | .031 | .001 | -.017 |
| Disinhibition | **.040** |  | **.060** | -.022 | **.044** | .023 | -.010 |
| Number of Sexual Partners | **.054** |  | **.068** | -.002 | **.042** | **.043** | .017 |
| Risk Tolerance | .003 |  | .010 | -.011 | .005 | .000 | -.009 |
| Drinks Per Week (Linnér ) | .002 |  | .009 | -.009 | .005 | -.006 | **-.037** |
| Drinks per Week (Liu) | -.003 |  | -.012 | .004 | -.007 | .013 | **.037** |
| Smoking - Ever Smoked Regularly | **-.079** |  | **-.098** | -.014 | **-.073** | **-.045** | -.026 |
| *Internalizing* |  |  |  |  |  |  |  |
| Depression | **.079** |  | **.066** | **.051** | **.068** | **.067** | **.040** |
| Neuroticism | **.077** |  | **.058** | **.074** | **.059** | **.066** | **.053** |
| PTSD | **.050** |  | **.043** | **.041** | **.037** | **.050** | .014 |
| Insomnia | **.052** |  | **.036** | **.048** | **.049** | **.049** | .019 |
| *Thought Disorder* |  |  |  |  |  |  |  |
| Bipolar Disorder | -.021 |  | -.029 | -.006 | -.012 | -.011 | -.022 |
| Schizophrenia | .020 |  | .017 | .026 | .007 | .012 | .020 |
| *Neurodevelopmental* |  |  |  |  |  |  |  |
| ADHD | **.082** |  | **.088** | .000 | **.104** | **.037** | .034 |
| Autism Spectrum Disorder | **.053** |  | **.036** | .028 | **.059** | .023 | **.057** |
| *Somatoform* |  |  |  |  |  |  |  |
| Knee Pain | .006 |  | .011 | -.028 | .025 | -.003 | .011 |
| Chronic Multisite Pain | **.099** |  | **.091** | **.038** | **.102** | **.084** | .031 |
| Chronic Back Pain | **.055** |  | **.044** | **.042** | **.052** | .035 | .011 |
| *Other Psychopathology-related* |  |  |  |  |  |  |  |
| Educational Attainment | **-.065** |  | **-.082** | .001 | **-.058** | **-.055** | -.014 |
| Intelligence | -.012 |  | -.022 | .032 | -.026 | .000 | -.015 |
| Alzheimer's Disease | .011 |  | -.001 | .023 | .001 | .024 | .013 |
| Body Mass Index | **.053** |  | **.059** | -.005 | **.061** | .034 | **.042** |
|  |  |  |  |  |  |  |  |

*Notes:*

All significant results at 5% FDR multiple testing correction are in bold. All correlations adjust for the first 10 ancestry PCs.

Table S3 - Full hierarchical regression results

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ***R2*** | ***ΔR2*** | **F-Change** | **d.f.** | **p-value of *ΔR2*** |
| **DV: Adventurousness-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .004 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .005 | .001 | 3.443 | 1 | .064 |
| Block 3: Add 5-Factor Solution | .010 | .005 | 4.421 | 5 | **.001\*** |
| **DV: Disinhibition-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .007 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .008 | .002 | 7.199 | 1 | **.007\*** |
| Block 3: Add 5-Factor Solution | .014 | .006 | 5.638 | 5 | **.000\*** |
| **DV: Number of Sexual Partners-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .014 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .017 | .003 | 13.941 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .021 | .004 | 3.471 | 5 | **.004\*** |
| **DV: Risk Tolerance-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .017 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .017 | .000 | .035 | 1 | .853 |
| Block 3: Add 5-Factor Solution | .018 | .000 | .454 | 5 | .811 |
| **DV: Drinks Per Week-PRS (Linnér)** |  |  |  |  |  |
| Block 1: 10 PCs | .006 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .006 | .000 | .021 | 1 | .885 |
| Block 3: Add 5-Factor Solution | .008 | .003 | 2.403 | 5 | .035 |
| **DV: Drinks Per Week-PRS (Liu)** |  |  |  |  |  |
| Block 1: 10 PCs | .029 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .029 | .000 | .057 | 1 | .811 |
| Block 3: Add 5-Factor Solution | .031 | .002 | 2.415 | 5 | .034 |
| **DV: Smoking-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .100 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .105 | .005 | 27.819 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .110 | .005 | 4.942 | 5 | **.000\*** |
| **DV: Depression-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .008 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .014 | .006 | 28.626 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .015 | .001 | .599 | 5 | .701 |
| **DV: Neuroticism-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .025 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .030 | .005 | 26.384 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .032 | .001 | 1.273 | 5 | .272 |
| **DV: PTSD-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .329 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .331 | .002 | 12.466 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .332 | .001 | .897 | 5 | .482 |
| **DV: Insomnia-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .039 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .042 | .003 | 14.017 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .043 | .001 | 1.176 | 5 | .318 |
| **DV: Bipolar Disorder-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .347 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .348 | .000 | 2.716 | 1 | .099 |
| Block 3: Add 5-Factor Solution | .348 | .000 | .348 | 5 | .884 |
| **DV: Schizophrenia-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .008 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .009 | .001 | 2.061 | 1 | .151 |
| Block 3: Add 5-Factor Solution | .009 | .000 | .442 | 5 | .819 |
| **DV: ADHD-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .013 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .019 | .006 | 29.690 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .027 | .008 | 7.298 | 5 | **.000\*** |
| **DV: Autism Spectrum Disorder-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .013 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .016 | .003 | 12.678 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .019 | .003 | 2.961 | 5 | **.011\*** |
| **DV: Knee Pain-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .009 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .009 | .000 | .312 | 1 | .576 |
| Block 3: Add 5-Factor Solution | .012 | .003 | 2.498 | 5 | .029 |
| **DV: Chronic Multisite Pain-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .022 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .031 | .009 | 45.382 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .035 | .004 | 3.741 | 5 | **.002\*** |
| **DV: Chronic Back Pain-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .016 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .019 | .003 | 14.570 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .020 | .001 | 1.054 | 5 | .384 |
| **DV: Educational Attainment-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .089 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .092 | .004 | 19.523 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .098 | .006 | 5.932 | 5 | **.000\*** |
| **DV: Intelligence-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .242 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .242 | .000 | 1.023 | 1 | .312 |
| Block 3: Add 5-Factor Solution | .245 | .003 | 3.470 | 5 | **.004\*** |
| **DV: Alzheimer’s Disease-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .006 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .006 | .000 | .453 | 1 | .501 |
| Block 3: Add 5-Factor Solution | .007 | .001 | 1.069 | 5 | .375 |
| **DV: BMI-PRS** |  |  |  |  |  |
| Block 1: 10 PCs | .211 |  |  |  |  |
| Block 2: Add 1-Factor Solution | .213 | .002 | 12.990 | 1 | **.000\*** |
| Block 3: Add 5-Factor Solution | .216 | .004 | 4.231 | 5 | **.001\*** |

*Notes:*

All significant results at 5% FDR multiple testing correction are in bold.

Table S4 – Post hoc power of PRSs included in the study to predict traits in the target ABCD sample.

|  |  |
| --- | --- |
| **PRS** | **Power** |
| Adventurousness-PRS | 87% |
| Disinhibition-PRS | 66% |
| Number of Sexual Partners-PRS | 25% |
| Risk Tolerance-PRS | 100% |
| Drinks Per Week-PRS (Linnér ) | 91% |
| Drinks per Week-PRS (Liu) | 100% |
| Smoking-PRS | 100% |
| Depression-PRS | 97% |
| Neuroticism-PRS | 100% |
| PTSD-PRS | 15% |
| Insomnia-PRS | 100% |
| Bipolar Disorder-PRS | 100% |
| Schizophrenia-PRS | 100% |
| ADHD-PRS | 75% |
| Autism Spectrum Disorder-PRS | 68% |
| Knee Pain-PRS | 98% |
| Chronic Multisite Pain-PRS | 100% |
| Chronic Back Pain-PRS | 100% |
| Educational Attainment-PRS | 100% |
| Intelligence-PRS | 100% |
| Alzheimer's Disease-PRS | 100% |
| Body Mass Index-PRS | 100% |