Appendix

Table 1. Logistic Regressions Predicting Depression, Anxiety and Substance Use Disorders

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | T3 | |  | T4 | |
|  | OR (95% CI) | p |  | OR (95% CI) | p |
| Any Depressive Disorder | | | | | |
| Sex | 0.67 (0.50-0.92) | .01 |  | 0.40 (0.28-0.57) | <.001 |
| Race | 1.11 (0.98-1.27) | .11 |  | 1.03 (0.89-1.19) | .71 |
| T1 Age | 0.91 (0.80-1.03) | .13 |  | 0.98 (0.85-1.19) | .76 |
| T1 Depression | 1.86 (1.35-2.57) | <.001 |  | 1.73 (1.20-2.52) | <.005 |
| T1 Anxiety | 1.22 (0.79-1.89) | .38 |  | 1.92 (1.17-3.16) | .01 |
| T1 SUD | 1.49 (0.97-2.30) | .07 |  | 1.34 (0.80-2.23) | .27 |
| T1 DBD | 1.26 (0.75-2.12) | .39 |  | 0.85 (0.44-1.62) | .62 |
| IRR-MOOD | 1.27 (1.03-1.57) | .03 |  | 1.12 (0.87-1.43) | .38 |
| IRR-ODD | 0.98 (0.80-1.21) | .84 |  | 1.08 (0.85-1.38) | .53 |
| Any Anxiety Disorder | | | | | |
| Sex | 0.39 (0.19-0.80) | .01 |  | 0.47 (0.24-0.90) | .02 |
| Race | 1.02 (0.77-1.35) | .90 |  | 1.00 (1.79-1.28) | .99 |
| T1 Age | 0.89 (0.69-1.15) | .36 |  | 0.93 (0.74-1.17) | .54 |
| T1 Depression | 0.89 (0.43-1.82) | .74 |  | 1.13 (0.57-2.24) | .73 |
| T1 Anxiety | 3.43 (1.86-6.23) | <.001 |  | 2.64 (1.41-4.95) | <.005 |
| T1 SUD | 2.62 (1.30-5.30) | .01 |  | 0.85 (0.37-1.97) | .71 |
| T1 DBD | 1.69 (0.67-4.26) | .27 |  | 1.76 (0.76-4.08) | .19 |
| IRR-MOOD | 1.19 (0.82-1.71) | .36 |  | 1.49 (1.03-2.15) | .03 |
| IRR-ODD | 1.27 (0.95-1.69) | .10 |  | 0.83 (0.55-1.23) | .35 |
| Any Substance Use Disorder | | | | | |
| Sex | 1.95 (1.41-2.70) | <.001 |  | 1.95 (1.35-2.81) | <.001 |
| Race | 1.08 (0.94-1.23) | .28 |  | 1.11 (0.95-2.81) | .19 |
| T1 Age | 0.83 (.74-0.94) | .01 |  | 0.96 (0.82-1.12) | .58 |
| T1 Depression | 1.36 (0.96-1.94) | .08 |  | 1.00 (0.66-1.50) | .99 |
| T1 Anxiety | 0.86 (0.72-1.87) | .53 |  | 1.30 (0.73-2.34) | .37 |
| T1 SUD | 2.92 (1.83-4.66) | <.001 |  | 4.21 (2.48-7.16) | <.001 |
| T1 DBD | 1.52 (0.85-2.72) | .16 |  | 1.27 (0.64-2.53) | .50 |
| IRR-MOOD | 0.96 (0.78-1.66) | .82 |  | 1.08 (0.82-1.41) | .58 |
| IRR-ODD | 1.33 (1.06-1.66) | .01 |  | 1.29 (0.97-1.72) | .08 |

OR = odds ratio; CI = confidence interval; IRR-MOOD = the mood disorder irritability dimension; IRR-ODD = the oppositional defiant disorder irritability dimension; SUD = substance use disorder; DBD = disruptive behavioral disorder

Table 2. Negative Binomial Regressions Predicting Personality Disorder Symptoms

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | T3 | | |  | T4 | | |
|  | B(SE) | β | p |  | B(SE) | β | p |
| Antisocial Personality Disorder Symptoms | | | | | | | |
| Sex | .73(.06) | .73 | <.001 |  | .61(.14) | .61 | <.001 |
| Race | .08(.07) | .08 | .22 |  | .04(.05) | .08 | .36 |
| T1 Age | .00(.04) | -.01 | .94 |  | -.10(.06) | -.26 | .06 |
| T1 Depression | .10(.11) | .09 | .39 |  | .09(.15) | .09 | .53 |
| T1 Anxiety | -.16(.15) | -.08 | .27 |  | .32(.20) | .16 | .11 |
| T1 SUD | .69(.15) | .34 | <.001 |  | .84(.17) | .43 | <.001 |
| T1 DBD | .85(.20) | .37 | <.001 |  | .71(.21) | .32 | .001 |
| IRR-MOOD | .00(.08) | .00 | .98 |  | -.05(.10) | -.07 | .65 |
| IRR-ODD | .11(.07) | .10 | .13 |  | .22(.11) | .29 | .04 |
| Borderline Personality Disorder Symptoms | | | | | | | |
| Sex | .23(.15) | .21 | .14 |  | -.06(.15) | -.06 | .67 |
| Race | .12(.05) | .20 | .02 |  | .15(.05) | .26 | <.005 |
| T1 Age | .02(.07) | .04 | .81 |  | .09(.06) | .19 | .18 |
| T1 Depression | .40(.15) | .36 | .01 |  | .22(.16) | .20 | .17 |
| T1 Anxiety | .34(.21) | .17 | .11 |  | .05(.23) | .02 | .84 |
| T1 SUD | .61(.53) | .30 | .001 |  | .72(.19) | .34 | <.001 |
| T1 DBD | .53(.25) | .23 | .03 |  | .83(.22) | .35 | <.001 |
| IRR-MOOD | .32(.13) | .32 | .02 |  | .17(.09) | .24 | .07 |
| IRR-ODD | .25(.13) | .25 | .07 |  | .29(.10) | .36 | .01 |

SE = standard error; IRR-MOOD = the mood disorder irritability dimension; IRR-ODD = the oppositional defiant disorder irritability dimension; SUD = substance use disorder; DBD = disruptive behavioral disorder