

## Young Adult Diagnostic Interview Schedule for Children: Youth

Year 15

### Fast Track Project Technical Report

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#### Citation

##### *Instrument*

Shaffer, D. and Fisher, P. (1997). *NIMH - Diagnostic Interview Schedule for Children: Child Informant*. New York: New York State Psychiatric Institute.

Shaffer, D., Fisher, P., Lucas, C., Comer, J. (2003). *Scoring Manual: Diagnostic Interview Schedule for Children (DISC-IV)*. New York: Columbia University.

##### *Report*

Godwin, J. (2010). Young Adult Diagnostic Interview Schedule for Children: Youth (Technical Report) [On-line]. Available: <http://www.fasttrackproject.org/>

#### Data Sources

Raw: c14br

Scored: yad15

#### I. Scale Description

The NIMH Young Adult Diagnostic Interview Schedule for Children (YADISC-IV) assesses DSM-IV psychiatric symptoms and diagnoses in young adults up to age 24 and older adolescents who live without a parent or guardian. The DISC was designed to be given by lay interviewers for epidemiological research. Fast Track administered the measures using a laptop computer (Computerized DISC, or YADISC).

##### *Item Responses*

The DISC items are organized by diagnosis. Youth are asked if they experienced specific symptoms related to a disorder during the past month or year. For substance abuse and dependence disorders, diagnoses are based only on behavior in past 12 months, past month behavior is not assessed separately

Follow-up questions are asked if a child reports a given symptom. The possible responses to most of the DISC questions are "No" (0), "Yes" (1), "Not Applicable" (8), or "Don't Know" (9). During the scoring process, the "Don't Know" responses are recoded as missing. The recoding depends on whether the DISC is administered to the child or parent.

Fast Track collected data on the following disorders in year 14:

- Attention Deficit/Hyperactivity Disorder (ADHD)
- Conduct Disorder
- Dysthymia
- Eating Disorders (Anorexia Nervosa and Bulimia)

- Generalized Anxiety
  - Major Depression
  - Oppositional Defiance (OD) Disorder
  - Post Traumatic Stress Disorder (PTSD)
- 
- Alcohol Abuse and Dependence
  - Nicotine Dependence
  - Marijuana Abuse and Dependence
  - Other Substances Abuse and Dependence

Alcohol and substance abuse and dependence diagnoses are mutually exclusive. A person is diagnosed with dependence if he/she meets 3 or more symptoms of dependence. A person can only be diagnosed with abuse if he/she does not meet the criteria for dependence and also exhibits 1 or more symptoms of abuse.

## **II. Report Sample**

The explanatory analyses in this report are conducted on the Cohort 1 normative (n=387) and high-risk control samples (n=155, N=463 with overlap) in year 14. One hundred forty students are missing the entire measure (30% of the sample), including 115 from the normative sample (30% of the sample) and 59 from the high-risk control sample (38% of the sample). The respondents who did not complete the measure include 44 youth from Durham (35%), 44 from Nashville (42%), 21 from Penn State (17%), and 31 from Seattle (28%).

## **III. Scaling**

The DISC group at Columbia University and New York State Psychiatric Institute (overseen by David Shaffer, M.D., Prudence Fisher, Ph.D., and John Piacentini, Ph.D) constructed the scoring programs that correspond to the DSM-IV. The variable names were changed to match the Fast Track format. The three types of summary scores are described below.

### *Criterion and Symptom Counts*

The scoring program combines the symptom (item) responses to determine whether a child meets a particular DSM-IV criterion. Multiple symptoms are often used to determine whether one criterion is satisfied. The criterion count variable describes the total number of criteria a child meets for each disorder. For alcohol and substance abuse/dependence diagnoses, the symptom counts are combined into 1 variable.

### *Diagnosis Indicators*

The individual symptom responses are also used to determine whether a child meets the DSM-IV specification for a diagnosis. The diagnosis variable equals 1 if the child meets the diagnosis criteria for a given disorder and 0 otherwise.

### *Impairment Indicators*

The DISC also includes a series of questions designed to determine whether experiencing the symptoms associated with a particular diagnosis impaired the youth's ability to participate in normal daily activities. Based on these questions, the scoring program creates three additional indicator variables for meeting the requirements of a diagnosis and experiencing a certain level of impairment. The levels include: experiencing intermediate or severe impairment in regards to at least 1 activity, experiencing intermediate or severe impairment in regards to at least 2 activities, and experiencing a severe impairment in regards to at least 1 activity. The diagnosis with impairment variable equals 1 if the subject meets the diagnosis criteria and experienced a certain level of impairment in his/her life.

## **IV. Differences between Groups**

T-tests for equality of means were conducted between the high-risk control and the low-risk normative samples for the year and month criteria counts for each disorder.

Mean criterion counts differed at the 0.05 significance level for the high-risk control and low-risk normative samples for Nicotine Dependence. Mean symptom counts differed at the 0.05 significance level for the high-risk control and low-risk normative samples for the following disorders:

Last Month: General Anxiety

Last Year: Bulimia  
 General Anxiety  
 Major Depression  
 Oppositional Defiance  
 Other Substance Abuse  
 Other Substance Dependence

Chi-Square tests of independence between the high-risk control and the low-risk normative sample were conducted for the year and month diagnosis and diagnosis plus impairment variables. The results for many of the tests, however, are questionable given the low frequency of diagnoses for many disorders. A test may not be valid if fewer than 5 respondents in a sample (normative or control) were expected to meet the diagnosis criteria (or the diagnosis plus impairment criteria). An \* indicates that fewer than 5 respondents in both samples were expected to meet the criteria, while an \*\* indicates that fewer than 5 respondents in one sample were expected to meet the criteria.

The hypothesis of independence between risk category (high-risk control and normative) and diagnosis was rejected at the 0.05 significance level for the following disorders:

Last Month: Major Depression\*  
 Oppositional Defiance\*

Last Year: Antisocial Personality Disorder  
 Major Depression\*  
 Oppositional Defiance\*  
 Marijuana Dependence\*

The table also includes the results for the indicators for diagnosis plus impairment.

| Comparison of Means for Normative and Control for Continuous Scored Variables |          |           |         |         |         |      |         |         |
|---|----------|-----------|---------|---------|---------|------|---------|---------|
| Variable  |          | Normative |         | Control |         | DF   | t Value | Pr >  t |
|   |          | Mean      | Std Dev | Mean    | Std Dev |      |         |         |
| ADHD-I - Criterion Count Last Mo Yr15   | yad15icm | 0.29      | 0.99    | 0.37    | 0.89    | 191  | -0.66   | 0.07    |
| ADHD-H - Criterion Count Last Yr Yr15   | yad15hcm | 0.34      | 0.88    | 0.66    | 1.49    | 120  | -1.89   | 0.39    |
| ADHD-Combined - Criterion Count Last Yr Yr15                                  | yad15zcm | 0.63      | 1.62    | 1.02    | 2.03    | 143  | -1.64   | 0.44    |
| CD -Criterion Count Last Mo Yr15  | yad15ccm | 0.04      | 0.22    | 0.21    | 0.86    | 96.1 | -1.83   | 0.76    |
| Dysthymia - Criterion Count Last Mo Yr15                                      | yad15dcm | 0.00      | 0.00    | 0.07    | 0.54    | 54   | -1.00   | 0.79    |
| Anorexia - Criterion Count Last Mo Yr15                                       | yad15xcm | 0.65      | 0.48    | 0.88    | 0.36    | 225  | -4.70   | 0.87    |
| Bulimia - Criterion Count Last Mo Yr15  | yad15bcm | 0.04      | 0.19    | 0.01    | 0.10    | 286  | 1.52    | 0.87    |
| Gen Anxiety - Criterion Count Last Mo Yr15                                    | yad15gcm | 0.13      | 0.69    | 0.15    | 0.80    | 151  | -0.22   | 0.05    |
| Major Dep - Criterion Count Last Mo Yr15                                      | yad15rcm | 0.00      | 0.00    | 0.45    | 1.23    | 54   | -2.74   | 0.08    |
| ODD -Criterion Count Last Mo Yr15   | yad15ocm | 0.08      | 0.38    | 0.25    | 0.79    | 111  | -1.94   | 0.07    |
| PTSD - Criterion Count Last Mo Yr15   | yad15tcm | 0.27      | 1.01    | 0.48    | 1.40    | 134  | -1.34   | 0.13    |
| ADHD-I - Criterion Count Last Yr Yr15   | yad15icy | 0.41      | 1.22    | 0.54    | 1.09    | 192  | -0.90   | 0.09    |
| ADHD-H - Criterion Count Last Yr Yr15   | yad15hcy | 0.47      | 1.02    | 0.76    | 1.58    | 125  | -1.65   | 0.13    |

|   |          |      |      |      |      |      |       |      |
|---|----------|------|------|------|------|------|-------|------|
| ADHD-Combined - Criterion Count Last Yr Yr15      | yad15zcy | 0.88 | 1.96 | 1.30 | 2.28 | 152  | -1.55 | 0.14 |
| CD -Criterion Count Last Yr Yr15                  | yad15ccy | 0.07 | 0.32 | 0.37 | 1.18 | 96.7 | -2.37 | 0.27 |
| Dysthymia - Criterion Count Last Yr Yr15          | yad15dcy | 0.00 | 0.00 | 0.07 | 0.54 | 54   | -1.00 | 0.37 |
| Anorexia - Criterion Count Last Yr Yr15           | yad15xcy | 0.46 | 0.53 | 0.73 | 0.49 | 189  | -4.36 | 0.42 |
| Bulimia - Criterion Count Last Yr Yr15            | yad15bcy | 0.06 | 0.24 | 0.02 | 0.15 | 265  | 1.68  | 0.03 |
| Gen Anxiety - Criterion Count Last Yr Yr15        | yad15gcy | 0.19 | 0.79 | 0.28 | 0.99 | 142  | -0.84 | 0.04 |
| Major Dep - Criterion Count Last Yr Yr15          | yad15rcy | 0.11 | 0.71 | 0.71 | 1.80 | 62.5 | -2.38 | 0.02 |
| ODD -Criterion Count Last Yr Yr15                 | yad15ocy | 0.16 | 0.56 | 0.35 | 0.95 | 119  | -1.83 | 0.03 |
| PTSD - Criterion Count Last Yr Yr15               | yad15tcy | 0.53 | 1.49 | 0.70 | 1.91 | 141  | -0.77 | 0.18 |
| Alcohol Abuse - Criterion Count yr15              | yad15aac | 0.12 | 0.42 | 0.14 | 0.54 | 145  | -0.27 | 0.23 |
| Alcohol Dependence - Criterion Count yr15         | yad15adc | 0.23 | 0.83 | 0.21 | 0.76 | 192  | 0.17  | 0.51 |
| Nicotine Dependence - Criterion Count yr15        | yad15ndc | 0.40 | 0.98 | 0.66 | 1.26 | 144  | -1.79 | 0.54 |
| Marijuana Abuse - Criterion Count yr15            | yad15mac | 0.09 | 0.34 | 0.18 | 0.53 | 129  | -1.54 | 0.14 |
| Marijuana Dependence - Criterion Count yr15       | yad15mdc | 0.20 | 0.76 | 0.38 | 1.04 | 137  | -1.51 | 0.16 |
| Other Substance Abuse - Criterion Count yr15      | yad15sac | 0.02 | 0.16 | 0.06 | 0.38 | 109  | -1.12 | 0.00 |
| Other Substance Dependence - Criterion Count yr15 | yad15sdc | 0.07 | 0.64 | 0.15 | 0.81 | 146  | -0.81 | 0.00 |
| ADHD - Symptom Count Yr15                         | yad15zsy | 2.13 | 3.09 | 3.01 | 3.63 | 151  | -2.06 | 0.09 |
| ADHD-I - Symptom Count Yr15                       | yad15isy | 1.23 | 2.00 | 1.85 | 2.35 | 151  | -2.22 | 0.11 |
| ADHD-H - Symptom Count Yr15                       | yad15hsy | 0.90 | 1.46 | 1.16 | 1.92 | 139  | -1.19 | 0.14 |
| Eating Disorder - Symptom Count Yr15              | yad15esy | 0.40 | 0.61 | 0.45 | 0.71 | 157  | -0.62 | 0.19 |
| Gen Anxiety - Symptom Count Yr15                  | yad15gsy | 1.49 | 2.01 | 1.87 | 2.23 | 155  | -1.41 | 0.83 |
| Major Dep - Symptom Count Yr15                    | yad15rsy | 2.01 | 2.85 | 3.96 | 4.50 | 76.2 | -2.94 | 0.82 |
| ODD -Symptom Count Yr15                           | yad15osy | 1.59 | 2.00 | 2.03 | 2.27 | 154  | -1.61 | 0.16 |
| PTSD - Symptom Count Yr15                         | yad15tsy | 0.72 | 1.89 | 1.11 | 2.64 | 138  | -1.31 | 0.19 |
| Alcohol - Symptom count yr15                      | yad15asy | 0.55 | 1.53 | 0.51 | 1.46 | 187  | 0.22  | 0.09 |
| Nicotine - Symptom count yr15                     | yad15nsy | 0.68 | 1.51 | 0.96 | 1.77 | 154  | -1.32 | 0.13 |
| Marijuana - Symptom count yr15                    | yad15msy | 0.38 | 1.40 | 0.70 | 1.82 | 145  | -1.51 | 0.15 |
| Other Substance - Symptom count yr15              | yad15ssy | 0.11 | 1.03 | 0.33 | 1.68 | 127  | -1.19 | 0.24 |

| Variable                                |          | Percent Diagnosed |         | DF | N   | Chi Square Stat | P-value |   |
|---|----------|-------------------|---------|----|-----|-----------------|---------|---|
|   |          | Normative         | Control |    |     |                 |         |   |
| Any ADHD -Diagnosis last mo - Y15       | yad15ydm | 0.00              | 0.02    | 1  | 313 | 2.03            | 0.15    | * |
| ADHD-I - Diagnosis last mo - Y15        | yad15idm | 0.00              | 0.00    |    | 313 |                 |         |   |
| ADHD-H - Diagnosis last mo - Y15        | yad15hdm | 0.00              | 0.02    | 1  | 313 | 2.03            | 0.15    | * |
| ADHD-Combined - Diagnosis last mo - Y15 | yad15zdm | 0.00              | 0.00    |    | 313 |                 |         |   |
| CD -Diagnosis last mo - Y15             | yad15cdm | 0.00              | 0.00    |    | 311 |                 |         |   |
| Dysthymia - Diagnosis last mo - Y15     | yad15ddm | 0.00              | 0.02    | 1  | 165 | 2.01            | 0.16    | * |
| Anorexia - Diagnosis last mo - Y15      | yad15xdm | 0.00              | 0.00    |    | 314 |                 |         |   |
| Bulimia - Diagnosis last mo - Y15       | yad15bdm | 0.00              | 0.00    |    | 314 |                 |         |   |
| Gen Anxiety - Diagnosis last mo - Y15   | yad15gdm | 0.00              | 0.01    | 1  | 313 | 0.41            | 0.52    | * |
| Major Dep - Diagnosis last mo - Y15     | yad15rdm | 0.00              | 0.04    | 1  | 164 | 4.12            | 0.04    | * |
| ODD -Diagnosis last mo - Y15            | yad15odm | 0.00              | 0.03    | 1  | 315 | 7.23            | 0.01    | * |
| PTSD - Diagnosis last mo - Y15          | yad15tdm | 0.00              | 0.01    | 1  | 315 | 2.39            | 0.12    | * |
| Any ADHD -Diagnosis last yr - Y15       | yad15ydy | 0.01              | 0.02    | 1  | 313 | 0.83            | 0.36    | * |

|   |          |      |      |   |     |      |      |    |
|---|----------|------|------|---|-----|------|------|----|
| ADHD-I - Diagnosis last yr - Y15                                  | yad15idy | 0.00 | 0.00 |   | 313 |      |      |    |
| ADHD-H - Diagnosis last yr - Y15                                  | yad15hdy | 0.00 | 0.02 | 1 | 313 | 2.03 | 0.15 | *  |
| ADHD-Combined - Diagnosis last yr - Y15                           | yad15zdy | 0.00 | 0.00 | 1 | 313 | 0.42 | 0.52 | *  |
| CD -Diagnosis last yr - Y15                                       | yad15cdy | 0.00 | 0.00 |   | 311 |      |      |    |
| Antisocial Personality Disorder - Diagnosis last yr - Y15         | yad15pdy | 0.07 | 0.18 | 1 | 317 | 8.80 | 0.00 |    |
| Dysthymia - Diagnosis last yr - Y15                               | yad15ddy | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | *  |
| Anorexia - Diagnosis last yr - Y15                                | yad15xdy | 0.00 | 0.00 |   | 314 |      |      |    |
| Bulimia - Diagnosis last yr - Y15                                 | yad15bdy | 0.00 | 0.00 |   | 314 |      |      |    |
| Gen Anxiety - Diagnosis last yr - Y15                             | yad15gdy | 0.00 | 0.02 | 1 | 313 | 2.03 | 0.15 | *  |
| Major Dep - Diagnosis last yr - Y15                               | yad15rdy | 0.01 | 0.09 | 1 | 165 | 7.00 | 0.01 | *  |
| ODD -Diagnosis last yr - Y15                                      | yad15ody | 0.00 | 0.03 | 1 | 315 | 4.03 | 0.04 | *  |
| PTSD - Diagnosis last yr - Y15                                    | yad15tdy | 0.00 | 0.01 | 1 | 315 | 0.41 | 0.52 | *  |
| Alcohol Abuse - Diagnosis yr15                                    | yad15aad | 0.07 | 0.08 | 1 | 312 | 0.10 | 0.75 | *  |
| Alcohol Dependence - Diagnosis yr15                               | yad15add | 0.04 | 0.03 | 1 | 320 | 0.03 | 0.86 | ** |
| Nicotine Dependence - Diagnosis yr15                              | yad15ndd | 0.06 | 0.09 | 1 | 301 | 1.00 | 0.32 | ** |
| Marijuana Abuse - Diagnosis yr15                                  | yad15mad | 0.05 | 0.08 | 1 | 314 | 0.85 | 0.36 | *  |
| Marijuana Dependence - Diagnosis yr15                             | yad15mdd | 0.03 | 0.07 | 1 | 320 | 3.79 | 0.05 | *  |
| Other Substance Abuse - Diagnosis yr15                            | yad15sad | 0.00 | 0.01 | 1 | 319 | 2.40 | 0.12 | *  |
| Other Substance Dependence - Diagnosis yr15                       | yad15sdd | 0.01 | 0.02 | 1 | 320 | 0.26 | 0.61 | *  |
| ADHD - At least 1 intermediate impairment last mo yr15            | yad15yim | 0.00 | 0.02 | 1 | 313 | 2.03 | 0.15 | *  |
| CD -At least 1 intermediate impairment last mo yr15               | yad15cim | 0.00 | 0.00 |   | 322 |      |      |    |
| Dysthymia - At least 1 intermediate impairment last mo yr15       | yad15dim | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | *  |
| Eating Disorder - At least 1 intermediate impairment last mo yr15 | yad15eim | 0.00 | 0.00 |   | 323 |      |      |    |
| Gen Anxiety - At least 1 intermediate impairment last mo yr15     | yad15gim | 0.00 | 0.00 | 1 | 322 | 0.42 | 0.52 | *  |
| Major Dep - At least 1 intermediate impairment last mo yr15       | yad15rim | 0.00 | 0.00 |   | 163 |      |      |    |
| ODD -At least 1 intermediate impairment last mo yr15              | yad15oim | 0.00 | 0.02 | 1 | 323 | 4.76 | 0.03 | *  |
| PTSD - At least 1 intermediate impairment last mo yr15            | yad15tim | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | *  |
| ADHD - At least 1 intermediate impairment last yr yr15            | yad15yiy | 0.01 | 0.02 | 1 | 313 | 0.83 | 0.36 | *  |
| CD -At least 1 intermediate impairment last yr yr15               | yad15ciy | 0.00 | 0.00 |   | 322 |      |      |    |
| Dysthymia - At least 1 intermediate impairment last yr yr15       | yad15diy | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | *  |
| Eating Disorder - At least 1 intermediate impairment last yr yr15 | yad15eiy | 0.00 | 0.00 |   | 323 |      |      |    |
| Gen Anxiety - At least 1 intermediate impairment last yr yr15     | yad15giy | 0.00 | 0.01 | 1 | 322 | 0.41 | 0.52 | *  |
| Major Dep - At least 1 intermediate impairment last yr yr15       | yad15riy | 0.01 | 0.06 | 1 | 164 | 3.29 | 0.07 | *  |
| ODD -At least 1 intermediate impairment last yr yr15              | yad15oiy | 0.00 | 0.02 | 1 | 323 | 1.98 | 0.16 | *  |
| PTSD - At least 1 intermediate impairment last yr yr15            | yad15tiy | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | *  |
| Alcohol Abuse - At least 1 intermediate impairment yr15           | yad15aai | 0.01 | 0.01 | 1 | 314 | 0.04 | 0.85 | *  |
| Alcohol Dependence - At least 1 intermediate impairment yr15      | yad15adi | 0.01 | 0.01 | 1 | 320 | 0.02 | 0.89 | *  |
| Nicotine Dependence - At least 1 intermediate impairment yr15     | yad15ndi | 0.02 | 0.01 | 1 | 316 | 0.23 | 0.63 | *  |
| Marijuana Abuse - At least 1 intermediate impairment yr15         | yad15mai | 0.01 | 0.02 | 1 | 318 | 0.81 | 0.37 | *  |

|  |           |      |      |   |     |      |      |   |
|--|-----------|------|------|---|-----|------|------|---|
| Marijuana Dependence - At least 1 intermediate impairment yr15       | yad15mdi  | 0.01 | 0.03 | 1 | 317 | 2.37 | 0.12 | * |
| Other Substance Abuse - At least 1 intermediate impairment yr15      | yad15sai  | 0.00 | 0.01 | 1 | 320 | 2.38 | 0.12 | * |
| Other Substance Dependence - At least 1 intermediate impairment yr15 | yad15sdi  | 0.01 | 0.01 | 1 | 320 | 0.02 | 0.89 | * |
| ADHD - At least 2 intermediate impairment last mo yr15               | yad15yjm  | 0.00 | 0.00 | 1 | 313 | 0.42 | 0.52 | * |
| CD -At least 2 intermediate impairment last mo yr15                  | yad15cjm  | 0.00 | 0.00 |   | 323 |      |      |   |
| Dysthymia - At least 2 intermediate impairment last mo yr15          | yad15djm  | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | * |
| Eating Disorder - At least 2 intermediate impairment last mo yr15    | yad15ejm  | 0.00 | 0.00 |   | 323 |      |      |   |
| Gen Anxiety - At least 2 intermediate impairment last mo yr15        | yad15gjm  | 0.00 | 0.00 |   | 323 |      |      |   |
| Major Dep - At least 2 intermediate impairment last mo yr15          | yad15rjm  | 0.00 | 0.00 |   | 164 |      |      |   |
| ODD -At least 2 intermediate impairment last mo yr15                 | yad15ojm  | 0.00 | 0.02 | 1 | 323 | 4.76 | 0.03 | * |
| PTSD - At least 2 intermediate impairment last mo yr15               | yad15tjm  | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | * |
| ADHD - At least 2 intermediate impairment last yr yr15               | yad15y jy | 0.01 | 0.00 | 1 | 313 | 0.84 | 0.36 | * |
| CD -At least 2 intermediate impairment last yr yr15                  | yad15c jy | 0.00 | 0.00 |   | 323 |      |      |   |
| Dysthymia - At least 2 intermediate impairment last yr yr15          | yad15d jy | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | * |
| Eating Disorder - At least 2 intermediate impairment last yr yr15    | yad15e jy | 0.00 | 0.00 |   | 323 |      |      |   |
| Gen Anxiety - At least 2 intermediate impairment last yr yr15        | yad15g jy | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | * |
| Major Dep - At least 2 intermediate impairment last yr yr15          | yad15r jy | 0.01 | 0.04 | 1 | 164 | 1.58 | 0.21 | * |
| ODD -At least 2 intermediate impairment last yr yr15                 | yad15o jy | 0.00 | 0.02 | 1 | 323 | 1.98 | 0.16 | * |
| PTSD - At least 2 intermediate impairment last yr yr15               | yad15t jy | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | * |
| Alcohol Abuse - At least 2 intermediate impairment yr15              | yad15a aj | 0.00 | 0.01 | 1 | 320 | 2.38 | 0.12 | * |
| Alcohol Dependence - At least 2 intermediate impairment yr15         | yad15a dj | 0.00 | 0.00 | 1 | 320 | 0.42 | 0.52 | * |
| Nicotine Dependence - At least 2 intermediate impairment yr15        | yad15n dj | 0.01 | 0.00 | 1 | 319 | 0.85 | 0.36 | * |
| Marijuana Abuse - At least 2 intermediate impairment yr15            | yad15m aj | 0.00 | 0.01 | 1 | 318 | 2.39 | 0.12 | * |
| Marijuana Dependence - At least 2 intermediate impairment yr15       | yad15m dj | 0.00 | 0.00 | 1 | 320 | 0.42 | 0.52 | * |
| Other Substance Abuse - At least 2 intermediate impairment yr15      | yad15s aj | 0.00 | 0.01 | 1 | 320 | 2.38 | 0.12 | * |
| Other Substance Dependence - At least 2 intermediate impairment yr15 | yad15s dj | 0.01 | 0.01 | 1 | 320 | 0.02 | 0.89 | * |
| ADHD - At least 1 severe impairment last mo yr15                     | yad15y km | 0.00 | 0.01 | 1 | 313 | 2.41 | 0.12 | * |
| CD -At least 1 severe impairment last mo yr15                        | yad15c km | 0.00 | 0.00 |   | 322 |      |      |   |
| Dysthymia - At least 1 severe impairment last mo yr15                | yad15d km | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | * |
| Eating Disorder - At least 1 severe impairment last mo yr15          | yad15e km | 0.00 | 0.00 |   | 323 |      |      |   |
| Gen Anxiety - At least 1 severe impairment last mo yr15              | yad15g km | 0.00 | 0.00 |   | 322 |      |      |   |
| Major Dep - At least 1 severe impairment last mo yr15                | yad15r km | 0.00 | 0.00 |   | 163 |      |      |   |
| ODD -At least 1 severe impairment last mo yr15                       | yad15o km | 0.00 | 0.02 | 1 | 323 | 4.76 | 0.03 | * |
| PTSD - At least 1 severe impairment last mo yr15                     | yad15t km | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | * |
| ADHD - At least 1 severe impairment last yr yr15                     | yad15y ky | 0.00 | 0.01 | 1 | 313 | 0.41 | 0.52 | * |
| CD -At least 1 severe impairment last yr yr15                        | yad15c ky | 0.00 | 0.00 |   | 322 |      |      |   |
| Dysthymia - At least 1 severe impairment last yr yr15                | yad15d ky | 0.00 | 0.02 | 1 | 165 | 2.01 | 0.16 | * |
| Eating Disorder - At least 1 severe impairment last yr yr15          | yad15e ky | 0.00 | 0.00 |   | 323 |      |      |   |

|  |          |      |      |   |     |      |      |   |
|--|----------|------|------|---|-----|------|------|---|
| Gen Anxiety - At least 1 severe impairment last yr yr15        | yad15gky | 0.00 | 0.01 | 1 | 322 | 2.40 | 0.12 | * |
| Major Dep - At least 1 severe impairment last yr yr15          | yad15rky | 0.01 | 0.04 | 1 | 163 | 1.62 | 0.20 | * |
| ODD -At least 1 severe impairment last yr yr15                 | yad15oky | 0.00 | 0.02 | 1 | 323 | 1.98 | 0.16 | * |
| PTSD - At least 1 severe impairment last yr yr15               | yad15tky | 0.00 | 0.01 | 1 | 323 | 2.37 | 0.12 | * |
| Alcohol Abuse - At least 1 severe impairment yr15              | yad15aak | 0.01 | 0.00 | 1 | 314 | 0.83 | 0.36 | * |
| Alcohol Dependence - At least 1 severe impairment yr15         | yad15adk | 0.00 | 0.01 | 1 | 320 | 2.38 | 0.12 | * |
| Nicotine Dependence - At least 1 severe impairment yr15        | yad15ndk | 0.01 | 0.00 | 1 | 316 | 1.28 | 0.26 | * |
| Marijuana Abuse - At least 1 severe impairment yr15            | yad15mak | 0.00 | 0.01 | 1 | 318 | 2.39 | 0.12 | * |
| Marijuana Dependence - At least 1 severe impairment yr15       | yad15mdk | 0.00 | 0.00 | 1 | 317 | 0.41 | 0.52 | * |
| Other Substance Abuse - At least 1 severe impairment yr15      | yad15sak | 0.00 | 0.00 |   | 320 |      |      |   |
| Other Substance Dependence - At least 1 severe impairment yr15 | yad15sdk | 0.00 | 0.01 | 1 | 320 | 0.40 | 0.53 | * |

## V. Recommendations for Use

It is recommended that the analyst use categorical-type analyses when examining diagnosis and diagnosis plus impairment variables and count-type analyses for criterion count variables. There have been numerous studies using the CDISC that the analyst can refer to for comparison of results and method used.

Analysts should refer to the numerous previous studies that have used the CDISC for examples of methods used to analyze these data.