

An Interview Schedule of Mental Health Disorders

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Study Personnel & Acknowledgements

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Mental Health Disorders in the General Population

- Prevalence rates of common mental health disorders (i.e., depression and anxiety) begin to increase in early adolescence (Einfeld, Ellis, & Emerson, 2011; Merikangas et al., 2010).
- Approximately 20 percent of youth experience a mental health problem prior to adulthood (Merikangas et al., 2010).

Prevalence of Mental Health Disorders Among Individuals with ID

- Prevalence rates of mental disorders for youths with ID can be two to three times higher than for typically developing youths (National Core Indicators, 2016).
- Prevalence rates in persons with ID vary widely, estimates range from 10 to 60% (Einfeld, Ellis, & Emerson, 2011; Koskentausta, Iivanainen, & Almqvist, 2002).

Issues with Using Existing Methods of Diagnosing Mental Disorders with Individuals with ID

- Self reporting is fraught with bias (e.g., acquiescence and social desirability)
- Items include complex terminology and concepts related to the diagnostic criteria (e.g., hallucinations)
- Proxy reports are good for collecting observational data; however, the validity of it is suspect as it is subjective in nature
- Proxy reports alone do not consider the youth's perspective

Purpose of Assessment Development Study

 Develop a valid and reliable diagnostic interview <u>specifically</u> <u>designed</u> for assessing mental health disorders in adolescents with mild to moderate ID, ages 14 – 24

Innovation

Assessment Concern Our Solution

Yes/No Multiple options & either/or

Complex wording 4th grade level lexical changes

No scaffolded supports Visual supports, definitions, and reminders

provided

Clinical diagnosis with DSM-5 & DM-ID 2

Individual reporter Dual informants with youth and caregiver

DIAAID Early Development Stages

- Developed a template of example items and response options with visual supports using the major depressive disorder diagnostic criteria
- Conducted <u>item tryouts</u> with a small group of participants to see if we were on the right track (re: wording of the items and use of visual supports)
- Conducted <u>pilot testing</u> to examine:
 - the lexical adaptations of the symptom probes and their cognitive accessibility
 - the response option formats for neutralizing acquiescence bias
 - the time frame and timeline follow-back procedures for assessing past episodes

DIAAID Current Development Stage

- Conduct a <u>field test</u> of 400 youth/caregiver dyads
 - The caregiver may be a parent, guardian, grandparent, or other primary adult caregiver who has known the youth for at least one year
 - Adolescent and caregiver participants are interviewed separately
 - •If an adolescent needs a caregiver in the room during the interview, we ask for the caregiver to sit behind the adolescent and refrain from participating unless helping with a technology issue or reengaging the adolescent.

DIAAID Current Development Stage

- The assessment covers 25 disorders
 - Adolescents with ID: 15
 - Caregivers: All 25
- Due to issues with administration time:
 - Used screening items at the beginning of each disorder
 - Identified disorders with diagnostic criteria that were primarily externalizing behaviors (marked with a "C" only in the next two slides)

Organization of the Disorders

| Corresponding Disorder | Qualtrics Disorder Codes | | | |
|--|---------------------------------|--|--|--|
| Module 1 – Mood Disorders | | | | |
| Major Depressive Disorder | MDD (Y & C) | | | |
| Persistent Depressive Disorder (Dysthymia) | DYS (Y & C) | | | |
| Mania-Hypomania | MANH (Y & C) | | | |
| Disruptive Mood Dysregulation Disorder | DMDD (Y & C) | | | |
| Module 2 – P | sychotic Disorder | | | |
| Schizophrenia | SCHIZ (Y & C) | | | |
| Module 3 – Anxiety, including | g Obsessive Compulsive Disorder | | | |
| Separation Anxiety Disorder | SEP (Y & C) | | | |
| Specific Phobia | SPEC (Y & C) | | | |
| Social Phobia | SOC (Y & C) | | | |
| Panic Disorder | PAN (Y & C) | | | |
| Agoraphobia | AGOR (Y & C) | | | |
| Generalized Anxiety Disorder | GAD (Y & C) | | | |
| Obsessive-Compulsive Disorder | OCD (Y & C) | | | |
| Trichotillomania | TRICH (C) | | | |
| Module 4 – Elii | mination Disorders | | | |
| Elimination Disorders | ELIM (C) | | | |

Organization of the Disorders

| Corresponding Disorder | Qualtrics Disorder Codes | | | | |
|--|--------------------------|--|--|--|--|
| Module 5 – Feeding and Eating Disorders | | | | | |
| Eating Disorders (Binge Eating, Bulimia, Anorexia) | EAT (Y & C) | | | | |
| Pica | PICA (C) | | | | |
| Module 6 –Substance Use Disorders | | | | | |
| Alcohol Use Disorder | ALC (Y & C) | | | | |
| Substance Use Disorder | SUB (Y & C) | | | | |
| Module 7 – Neurodevelo | pmental Disorders | | | | |
| Attention-Deficit/Hyperactivity Disorder | ADHD (C) | | | | |
| Autism Spectrum Disorder | ASD (C) | | | | |
| Stereotyped Movement Disorder | SMD (C) | | | | |
| Tic Disorders | TIC (C) | | | | |
| Module 8 – Disruptive Impulse Control Disorders | | | | | |
| Oppositional Defiant Disorder | ODD (C) | | | | |
| Conduct Disorder | CD (C) | | | | |
| Module 9 – Trauma and Stressor-Related Disorder | | | | | |
| Posttraumatic Stress Disorder | PTSD (C) | | | | |

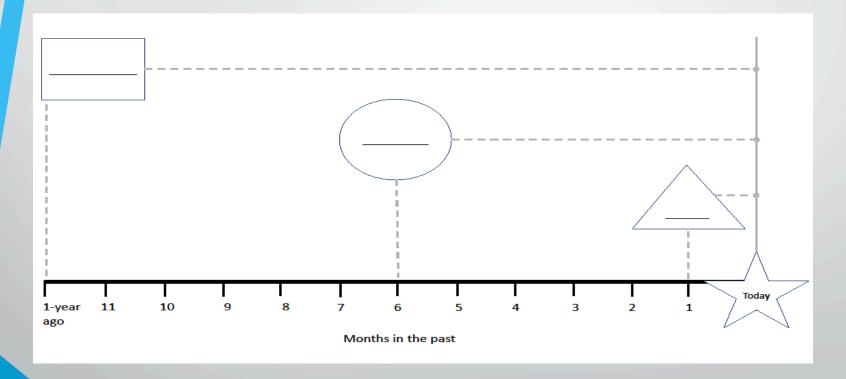
Field Test Steps: Eligibility

- Interested participants contact us via phone/email
- Determine initial eligibility
 - Adolescent is within the age range
 - Has been diagnosed with Intellectual Disability (e.g., IQ scores, IEP, or caregiver report)
 - Confirm that youth can verbally respond to questions (remote interviews, only)
 - Has a computer with internet access (remote interviews, only)
- Send link to online consent forms and the final screening assessment form (i.e., Caregiver completes the Adaptive Behavior Assessment System, ABAS)

Field Test Steps: Conduct Interview

- Schedule an interview
- Day of interview: Timeline
- Day of interview: Disorder administration
 - Each participant is interviewed separately
- Types of items
 - Screening items
 - Frequency
 - Intensity/duration
 - Presence

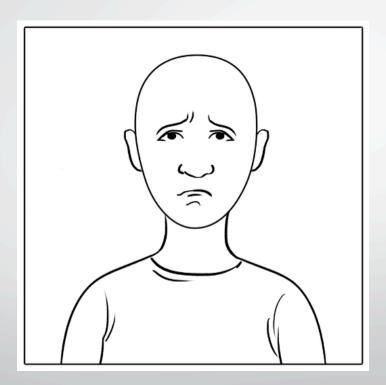
Timeline



Timeline Interview

- Adolescent is asked to come up with an event for three different time periods (1-month, 6-months, and 1-year)
- Try to use events identified by the youth
 - Caregiver may assist if the adolescent is unable to remember events on their own
- Use visual representations of events, when possible
- Once events are placed on timeline (using visual supports or words), the adolescent is asked to point to each event on the timeline, in turn.

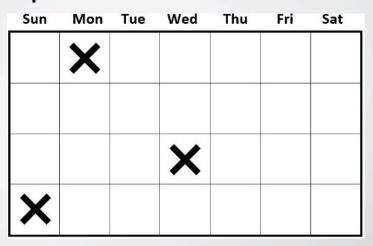
Administration Example: Sad (screener)



Administrator says: This person feels sad. Everyone feels sad sometimes.

Administration Example: Sad (screener)

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| X | × | × | × | × | × | |
| | × | X | × | × | × | X |
| X | × | | × | × | × | X |
| X | | X | × | X | X | X |



A

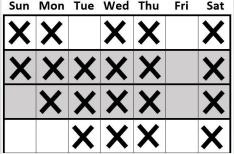
B

Administrator says: Look at these calendars. Someone put Xs on the days he felt sad. This calendar shows that he felt sad a lot of the time (*point to illustration A*). This calendar shows that another person felt sad only a little of the time (*point to illustration B*).

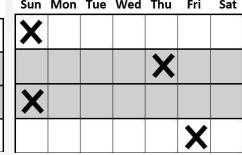
Do you feel sad <u>a lot</u> of the time (point to illustration A) OR do you feel sad <u>only a little</u> of the time (point to illustration B)?

Point to or tell me which picture is most like you.

Administration Example: Sad (frequency)



| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|------|-----|-----|-----|-----|-----|-----|
| X | | X | | | X | X |
| J 22 | X | | | X | | X |
| X | | X | X | | X | |
| X | | X | | | X | |



A

B

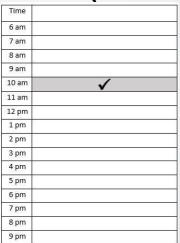
C

Administrator says: Look at these calendars. Someone put Xs on the days he felt sad. This calendar shows that he felt sad almost every day for two weeks in a row (point to illustration A). This calendar shows that another person felt sad more than half the days for two weeks in a row (point to illustration B). This picture shows that another person felt sad only a few days for two weeks in a row (point to illustration C).

Since [1-MONTH/6-MONTH EVENT/1-YEAR EVENT], when you were sad, were you sad <u>almost every day</u> for two weeks in a row (*point to illustration A*), were you sad <u>more than half the days</u> for two weeks in a row (*point to illustration B*) or were you sad for <u>only a few days</u> for two weeks in a row (*point to illustration C*)?

Administration Example: Sad (intensity)

| Time | |
|-------|----------|
| 6 am | ✓ |
| 7 am | √ |
| 8 am | √ |
| 9 am | 1577 |
| 10 am | ✓ |
| 11 am | |
| 12 pm | ✓ |
| 1 pm | ✓ |
| 2 pm | ✓ |
| 3 pm | |
| 4 pm | |
| 5 pm | ✓ |
| 6 pm | ✓ |
| 7 pm | ✓ |
| 8 pm | ✓ |
| 9 pm | -/ |



A

B

Administrator says: Look at these daily schedules. Someone put check marks on the times during the day when he felt sad. This schedule shows that he felt sad most of the day (*point to illustration A*). This schedule shows that another person felt sad for only a little of the day (*point to illustration B*).

Since [1-MONTH/6-MONTH EVENT/1-YEAR EVENT], were you sad <u>most</u> of the day (*point to illustration A*) OR were you sad for only a little of the day (*point to illustration B*)?

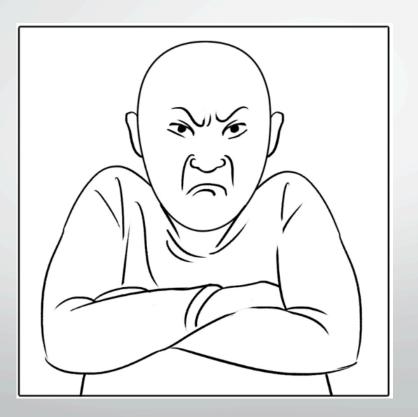
Caregiver and Youth Parallel Screening Items

| Youth | Caregiver |
|---|--|
| Do you feel sad <u>a lot</u> of the time (point to illustration) OR do you feel sad <u>only a little</u> of the time (point to illustration)? | Was there ever a time when [YOUTH] said [he/she] was sad or when you noticed that [he/she] appeared sad, blue, or tearful for several days in a row? |

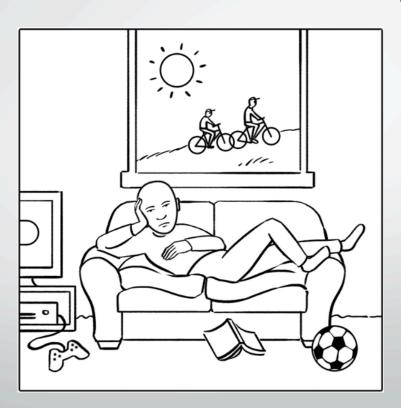
Example of Varying Supports: Major Depressive Disorder (Core Symptoms)

| Symptom (diagnostic criteria) | Embedded Support (based on tryout and pilot test data) |
|---|--|
| Sad (depressed mood) | This person feels sad (<i>point to illustration</i>). Everyone feels sad sometimes. |
| Grouchy (irritable) | This person feels grouchy (<i>point to illustration</i>). Everyone feels grouchy sometimes. |
| Favorite activities are not very fun (markedly diminished interest or pleasure) | Sometimes people think their favorite activities are not very fun (<i>point to illustration</i>). This person usually likes playing video games, riding his bike and being outside. Now he doesn't want to do any of those things. |

Grouchy



Favorite activities are not very fun



COVID-19 Remote Interviewing

| Pros | Cons |
|---|---|
| Continue collecting data during pandemic | Difficult to build rapport |
| Interviewer and interviewees do not need to leave home (e.g., easier to schedule time, no traffic concerns) | Study participants may not have necessary tech and or there may be connection issues that occur |
| Participants earn stipends while at home | More difficult to conduct both interviews in one day (e.g., equipment shortage) |

Field Test Reminders

- Currently enrolling
- Participants ages 14 to 24 with Intellectual Disability and their caregiver(s)
- \$50 stipend to the youth
- \$50 stipend for the caregiver participating in the caregiver interview (one stipend per family if more than one caregiver is participating)
- Interested participants should contact Lori Hodge:
 - lori.hodge@sri.com, (650) 859-2571
- Feel free to forward to any individuals or groups you think may be interested. We have administered the assessment to about 50 dyads and need a lot more participants.

Questions?

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