**Florida Twin Project on Reading, Behavior, and Environment**

**Wave 2:**

**PARENT CODEBOOK**

**(With Sara’s SAS code in the Appendix)**

**PARENT REPORT MEASURES:**

**Home Environment:** bio parent education, household income, reading habits, home routines, twins’ diagnosis – psychological, medical, and learning, TV habits and preferences, homework routines

**Prenatal Environment:** assesses quality of twins prenatal environment including reading exposure, vitamins, exposure to toxins (alcohol, smoking, psychiatric drugs), and birth information (weeks gestation, weight)

**Griffin and Morrison home literacy environment family-specific (HLE):** Measures parental behaviors on literacy-related items.

**Family History of Reading and Learning Difficulties:** assesses whether biological mother/father or siblings (full or half) have been diagnosed with reading/writing/speaking/math learning problems, ADHD or Autism

**Adult Attention and Behavior Scale:** measures symptoms of attention deficit hyperactivity disorder in adults

**Confusion, Hubbub, and Order Scale (CHAOS):** measurement of home confusion and disorganization

**Griffin and Morrison home literacy environment Child-Specific:** Measures twin behaviors on literacy-related items.

**Homework Problem Checklist:** assesses problems with homework

**Grades:** Children’s grades

**Information Sharing:** measure meant to capture the amount of information the child shares with the parent.

**DWECK:** measures parent’s implicit ideas about child’s intelligence

**Positive and Negative Affect Scale (PANAS):** trait level of positive and negative affectivity

**SWAN:** ADHD dimensions (inattention and hyperactivity)

**Child and Adolescent Dispositions Scale for Parents (CADS – Parent)** – temperament/personality dimensions of Prosociality (Sympathy and Respect for Rules facets), Negative Emotionality, and Daring

**Disruptive Behavior Disorder (DBD) Rating Scale** – diagnostic checklist for DSM-IV conduct disorder, oppositional defiant disorder, and ADHD

**Behavior Rating Inventory of Executive Functioning (BRIEF):** Standardized rating scale assessing children’s executive functions. Subscales include: Inhibit, Shift, Emotional Control, Initiate, Working Memory, Plan/Organize, Organization of Materials, and Monitor

Some variables were altered or removed to deidentify data for sharing on LDBase. Original data may be available upon request.

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**\*Color Notes:**

Original item scoring and variable names as entered in filemaker are in **RED**

Sara’s code or abbreviation of code when embedded in codebook is in **BLUE**

Other general notes are in **GREEN**

**Home Environment Measure**

The first section of this questionnaire focuses mostly on demographic characteristics of the twins’ family.

1. [hem1] a.) The person completing this questionnaire is the twins’ (check one):

\_1\_\_ Biological mother

\_2\_\_ Biological father

\_3\_\_ Step mother

\_4\_\_ Step father

\_5\_\_ Other relative (e.g., grandmother, aunt, etc.)

\_6\_\_ Adoptive or foster parent

\_7\_\_ Other (please explain: hem1t )

[hem31\_a (& hem31\_b if multiple are checked)] b.) The other adult caregiver in the home is:

\_1\_\_ Biological mother

\_2\_\_ Biological father

\_3\_\_ Step mother

\_4\_\_ Step father

\_5\_\_ Other relative (e.g., grandmother, aunt, etc.)

\_6\_\_ Adoptive or foster parent

\_7\_\_ Other (please explain: hem31t )

\_8\_\_ N/A (there is no other adult caregiver in the home)

[hem1 and hem31 on LDBase] 1 – biological mother, 2 – biological father, 3 – Other

Missing = -99

Don’t Know = -98

1. [hem3] Which of the following describes the *current* relationship between the twins’ **biological parents**? (check one)

\_1\_\_ Married and living together

\_2\_\_ Separated hem3t = explanation if needed

\_3\_\_ Living together but not married

\_4\_\_ Not living together and never married

\_5\_\_ Divorced

\_-98\_\_ Don’t know

[qhem48] What is the *current* **household income** for the twins? (check one) Similar to hem5, but the money scales are different

\_\_1\_\_ less than $5,000 \_\_8\_\_ $35,000 – 39,999

\_\_2\_\_ $5,000 – 9,999 \_\_9\_\_ $40,000 – 49,999

\_\_3\_\_ $10,000 – 14,999 \_\_10\_\_ $50,000 – 59,999

\_\_4\_\_ $15,000 – 19,999 \_\_11\_\_ $60,000 – 74,999

\_\_5\_\_ $20,000 – 24,999 \_\_12\_\_ $75,000 – 99,999

\_\_6\_\_ $25,000 – 29,999 \_\_13\_\_ $100,000 or more

\_\_7\_\_ $30,000 – 34,999 \_\_-98\_\_ Don’t know

1. How many individuals live in your home? [qhem20\_adults]\_\_#\_\_ Adults [qhem20\_children]\_\_#\_ Children
2. [qhem21] What is the zip code of the school that the twins attended during the 2014/2015 school year? \_\_\_\_\_\_\_\_\_\_\_\_#\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(If twins attended schools in different zipcodes, qhem21\_a is for the second reported zipcode)

1. Please put a check mark to indicate your current occupation. If the twins have a second adult caregiver, please indicate their current occupation as well. If you are the only caregiver of the twins, please check “N/A” in the “other adult caregiver” column.

|  |  |  |
| --- | --- | --- |
| **Occupation** | **Person completing questionnaire**  [hem33a] | **Other adult caregiver**  [hem33b] |
| Day laborer; janitor; house cleaner; farm worker; food counter sales; food preparation worker; busboy. | 1 | 1 |
| Garbage collector; short-order cook; cab driver; shoe sales; assembly line workers; masons; baggage porter. | 2 | 2 |
| Painter; skilled construction trade; sales clerk; truck driver; cook; sales counter or general office clerk. | 3 | 3 |
| Automobile mechanic; typist; locksmith; farmer; carpenter; receptionist; construction laborer; hairdresser. | 4 | 4 |
| Machinist; musician; bookkeeper; secretary; insurance sales; cabinet maker; personnel specialist; welder. | 5 | 5 |
| Supervisor; librarian; aircraft mechanic; artist or artisan; electrician; administrator; military enlisted personnel; buyer. | 6 | 6 |
| Nurse; skilled technician; medical technician; counselor; manager; police or fire personnel; financial manager; physical, occupational, speech therapist. | 7 | 7 |
| Mechanical, nuclear or electrical engineer; educational administrator; veterinarian; military officer; elementary, high school or special education teacher. | 8 | 8 |
| Physician; attorney; professor; chemical or aerospace engineer; judge; CEO; senior manager; public official; psychologist; pharmacist; accountant. | 9 | 9 |
| N/A [hem33a\_other; hem33b\_other] | 10 | 10 |

If parent writes in another occupation enter -30 and write in text box. hem33a/b\_other

“Wave 1 (Sara’s note: I changed the NA value from “10” to “.”)”

|  |
| --- |
| The next set of questions are about the **prenatal environment**. If you are the biological mother of the twins, please answer the questions below. If not, you may skip ahead to question 15. |

1. [qhem22] Did you read to your twins while you were pregnant with them?

\_\_2\_ No \_\_1\_ Yes \_-98\_ Don’t remember

1. [qhem23] Did you take prenatal vitamins during pregnancy?

\_2\_\_ No \_\_1\_ Yes \_-98\_ Don’t remember

1. [qhem24] What was your general disposition during pregnancy? Please circle your response.

1 2 3 4 5

Completely Miserable Completely Happy

1. [qhem25] Did you drink alcohol during pregnancy?

\_\_2\_ No \_\_1\_ Yes \_-98\_ Don’t remember

If yes, how often? \_\_\_[qhem25a]\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. [qhem26] Did you smoke while pregnant?

\_\_2\_ No \_\_1\_ Yes \_-98\_ Don’t remember

1. [qhem27] Did you use any psychiatric drugs while you were pregnant?

\_\_2\_ No \_\_1\_ Yes \_-98\_ Don’t remember

1. [qhem28\_weeks & qhem28\_days] At how many weeks gestation were the twins born? # (weeks); # (days)
2. What was the birth weight of the twins (please include the name of each twin next to their birth weight)?

Twin A: [qhem29a\_name] = text write-in; [qhem29a\_bw\_lbs] = #; [qhem29a\_bw\_ounces] = #

Twin B: [qhem29b\_name] = text write-in; [qhem29b\_bw\_lbs] = #; [qhem29b\_bw\_ounces] = #

The next set of questions focus on characteristics of the **home** **where the twins live** (please think about where the twins spend the most time when responding).

Reading materials come in many forms. The following questions are about the types of reading materials in the twins’ home.

1. [hem9] Does anyone in the twins’ home have a library card? if hem9 = 2, hlecount9\_old = 0

\_\_2\_ No \_1\_\_ Yes \_\_-98\_ Don’t know

[hem9a] 8a. If **Yes,** how often is it (or are they) used? \_\_\_#\_\_\_\_\_ times per month.

…this is the new Griffen and Morrison Literacy Environment form

if hem9a = **1** then hlecount9\_new =**0**;

if hem9a = **.5** then hlecount9\_new =**0**;

if hem9a = **0** then hlecount9\_new =**0**;

if hem9a ge **2** then hlecount9\_new=**1**;

[hem10] Does anyone subscribe to newspapers/magazines?

\_2\_\_ No \_\_1\_ Yes \_-98\_\_ Don’t know

if hem10 = -98, hlenews10count, hlemagadult10count, hlemagkid10count = missing

9a. If **Yes**, how many? \_\_#\_\_\_ Newspapers hemnews10

if hemnews10 = **0** then hemnews10count = **0**;

if hemnews10 = **1** then hemnews10count = **1**;

if hemnews10 ge **2** then hemnews10count = **2**;

\_\_#\_\_\_ Magazines for Adults hemmagadult10

if hemmagadult10 = **0** then hemmagadult10count = **0**;

if hemmagadult10 = **1** then hemmagadult10count = **1**;

if hemmagadult10 = **2** then hemmagadult10count = **1**;

if hemmagadult10 > **2** then hemmagadult10count = **2**;

\_\_\_#\_\_ Magazines for Children hemmagkid10

if hemmagkid10 = **0** then hemmagkid10count = **0**;

if hemmagkid10 = **1** then hemmagkid10count = **1**;

if hemmagkid10 ge **2** then hemmagkid10count = **2**;

\_\_\_#\_\_ Other: Describe: \_\_\_hemoth10t\_\_\_\_\_\_\_\_\_\_\_ hemoth10

1. [hem11] How often do **you** read to yourself?

\_1\_\_ Daily if hem11=**1** then hlecount11=**2**;

if hem11=**2** then hlecount11=**1**;

\_2\_\_ Several times a week if hem11 ge **3** then hlecount11=**0**;

\_3\_\_ Weekly or less

\_4\_\_ I don’t read to myself

1. [hem12] How often does the twins’ **other adult caregiver** read to him/herself?

\_1\_\_ Daily

\_2\_\_ Several times a week if hem12=**1** then hlecount12=**2**;

if hem12=**2** then hlecount12=**1**;

\_3\_\_ Weekly or less if hem12 ge **3** then hlecount12=**0**;

\_4\_\_ He/she does not read to him/herself

\_5\_\_ N/A (there is no other adult caregiver in the home) Different wording, but same answer

Sara’s note: all intermediate count variables are dropped from the final dataset.

**Griffin and Morrison home literacy environment family-specific** (no missing allowed)

P\_hle\_family = sum (of hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count)

**Griffin and Morrison home literacy environment family-specific** (1 missing allowed)P\_hle\_family\_missing = sum (of hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count)

**Griffin and Morrison home literacy environment family-specific** (use all available data)\*P\_hle\_family\_all = sum (of hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count) \*recommended by Sara

**Family History of Reading and Learning Difficulties**

1. The following is a list of reading/learning difficulties that some people have. Please read each item and place a check in the box for each person it applies to.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Twins’ Biological Mother** | **Twins’ Biological Father** | **A Full Sibling of the Twins** | **A Half Sibling of the Twins** |
| Has difficulties with reading  **qrld1, qrld1\_1, qrld1\_2**  *(For vars qrld1, \_1, \_2)*  If=1, FHreading\_mom = 1;  If=2, FHreading\_dad = 1;  If=3, FHreading\_fullsib = 1;  If=4, FHreading\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Has difficulties with spelling  **qrld2, qrld2\_1, qrld2\_2**  *(For vars qrld2, \_1, \_2)*  If=1, FHspelling\_mom = 1;  If=2, FHspelling\_dad = 1;  If=3, FHspelling\_fullsib = 1;  If=4, FHspelling\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Has difficulties with writing  **qrld3, qrld3\_1, qrld3\_2**  *(For vars qrld3, \_1, \_2)*  If=1, FHwriting\_mom = 1;  If=2, FHwriting\_dad = 1;  If=3, FHwriting\_fullsib = 1;  If=4, FHwriting\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Has difficulties with math  **qrld4, qrld4\_1, qrld4\_2**  *(For vars qrld4, \_1, \_2)*  If=1, FHmath\_mom = 1;  If=2, FHmath\_dad = 1;  If=3, FHmath\_fullsib = 1;  If=4, FHmath\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Has language difficulties, or difficulties communicating verbally  **qrld5, qrld5\_1, qrld5\_2**  *(For vars qrld5, \_1, \_2)*  If=1, FHlanguage\_mom = 1;  If=2, FHlanguage\_dad = 1;  If=3, FHlanguage\_fullsib = 1;  If=4, FHlanguage\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Been diagnosed as having Dyslexia, a learning disability, or a reading disability  **qrld6, qrld6\_1, qrld6\_2**  *(For vars qrld6, \_1, \_2)*  If=1, FHdyslexia\_mom = 1;  If=2, FHdyslexia\_dad = 1;  If=3, FHdyslexia\_fullsib = 1;  If=4, FHdyslexia\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Been diagnosed as having Specific Language Impairment  **qrld7, qrld7\_1, qrld7\_2**  *(For vars qrld7, \_1, \_2)*  If=1, FHSLI\_mom = 1;  If=2, FHSLI\_dad = 1;  If=3, FHSLI\_fullsib = 1;  If=4, FHSLI\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Been diagnosed as having Autism or Autism Spectrum Disorder, or Asperger’s Syndrome  **qrld8, qrld8\_1, qrld8\_2**  *(For vars qrld8, \_1, \_2)*  If=1, FHASD\_mom = 1;  If=2, FHASD\_dad = 1;  If=3, FHASD\_fullsib = 1;  If=4, FHASD\_halfsib = 1; | **1** | **2** | **3** | **4** |
| Been diagnosed as having Attention Deficit/Hyperactivity Disorder (ADHD) or Attention Deficit Disorder (ADD)  **qrld9, qrld9\_1, qrld9\_2**  *(For vars qrld9, \_1, \_2)*  If=1, FHspelling\_mom = 1;  If=2, FHspelling\_dad = 1;  If=3, FHspelling\_fullsib = 1;  If=4, FHspelling\_halfsib = 1; | **1** | **2** | **3** | **4** |

**Adult Attention and Behavior Scale**

1. Please answer the questions below, rating *yourself* on each of the criteria shown using the scale on the right side of the page. As you answer each question, please circle the response that best describes how you have felt and conducted yourself over the past 6 months.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Never** | **Rarely** | **Sometimes** | **Often** | **Very Often** |
| How often do you have trouble wrapping up the final details of a project, once the challenging parts have been done? qadhd1  \*Note: in the actual measure, the word final should be fine. Error in printing for this wave | 0 | 1 | 2 | 3 | 4 |
| How often do you have difficulty getting things in order when you have to do a task that requires organization? qadhd2 | 0 | 1 | 2 | 3 | 4 |
| How often do you have a problem remembering appointments or obligations? qadhd3 | 0 | 1 | 2 | 3 | 4 |
| When you have a task that requires a lot of thought, how often do you avoid or delay getting started? qadhd4 | 0 | 1 | 2 | 3 | 4 |
| How often do you fidget or squirm with your hands or feet when you have to sit down for a long time? qadhd5 | 0 | 1 | 2 | 3 | 4 |
| How often do you feel overly active and compelled to do things, like you were driven by a motor? qadhd6 | 0 | 1 | 2 | 3 | 4 |
| How often do you make careless mistakes when you have to work on a boring or difficult project? qadhd7 | 0 | 1 | 2 | 3 | 4 |
| How often do you have difficulty keeping your attention when you are doing boring or repetitive work? qadhd8 | 0 | 1 | 2 | 3 | 4 |
| How often do you have difficulty concentrating on what people say to you, even when they are speaking to you directly? qadhd9 | 0 | 1 | 2 | 3 | 4 |
| How often do you misplace or have difficulty finding things at home or at work? qadhd10 | 0 | 1 | 2 | 3 | 4 |
| How often are you distracted by activity or noise around you? qadhd11 | 0 | 1 | 2 | 3 | 4 |
| How often do you leave your seat in meetings or other situations in which you are expected to remain seated? qadhd12 | 0 | 1 | 2 | 3 | 4 |
| How often do you feel restless or fidgety? qadhd13 | 0 | 1 | 2 | 3 | 4 |
| How often do you have difficulty unwinding and relaxing when you have time to yourself? qadhd14 | 0 | 1 | 2 | 3 | 4 |
| How often do you find yourself talking too much when you are in social situations? qadhd15 | 0 | 1 | 2 | 3 | 4 |
| When you’re in a conversation, how often do you find yourself finishing the sentences of the people you are talking to, before they can finish them themselves? qadhd16 | 0 | 1 | 2 | 3 | 4 |
| How often do you have difficulty waiting your turn in situations when turn taking is required? qadhd17 | 0 | 1 | 2 | 3 | 4 |
| How often do you interrupt others when they are busy? qadhd18 | 0 | 1 | 2 | 3 | 4 |

\*\*\*\*Parent ADHD\*\*\*\*;

**ASRS Adult ADHD: 6 item screener** (no missing allowed)

P\_ADHD\_screener = sum (of qadhd9 qadhd2 qadhd4 qadhd3 qadhd5 qadhd6);

**ASRS Adult ADHD: 18 item full ADHD** (1 missing allowed)

P\_ADHDfull18ADHD = sum (of qadhd1-qadhd18);

**ASRS Adult ADHD: 9 item Inattention** (1 missing allowed)

P\_ADHD\_Inatt = sum (of qadhd7 qadhd8 qadhd9 qadhd1 qadhd2 qadhd4 qadhd10 qadhd11 qadhd3);

**ASRS Adult ADHD: 9 item Hyperactivity-Impulsivity** (1 missing allowed)

P\_ADHD\_Hyper = sum (of qadhd5 qadhd12 qadhd13 qadhd14 qadhd6 qadhd15 qadhd16 qadhd17 qadhd18);

\*intermediate count variables are dropped from the final dataset.

Below are some things that happen in most homes. Please circle the number that best describes **the twins’ home**:

**Definitely Somewhat Not really Somewhat Definitely**

**Untrue Untrue True or Untrue True True**

1. [hem13] The twins have a regular

bedtime routine (e.g., same bed time

each night, brushing teeth, 1 2 3 4 5

reading a story, etc.) **nhem13 5 4 3 2 1**

1. [hem14] You can’t hear yourself 1 2 3 4 5

think in our home

1. [hem15] It’s a real zoo in our home 1 2 3 4 5
2. [hem16] We are usually able to stay 1 2 3 4 5

on top of things. **nhem16** **5 4 3 2 1**

1. [hem17] There is usually a television on

somewhere in our home. 1 2 3 4 5

25. [hem18] The atmosphere in our house 1 2 3 4 5

is calm. **nhem18**  **5 4 3 2 1**

**CHAOS scale** (no missing allowed)

P\_chaos = mean of **n**hem13 hem14 hem15 **n**hem16 hem17 **n**hem18

Please answer the following section of questions about:

[TWIN 1 name]

During the 2014/2015 school year, how many hours per day did your child watch television (TV)? Similar to hem23, but the answers are broken down differently. All values <=24/day were accepted as valid answers.

[hem\_37a] Weekdays (Monday – Friday): \_\_\_\_\_\_#\_\_\_\_ hour(s) each day

[hem\_37b] Saturday: \_\_\_\_#\_\_\_\_\_\_ hour(s)

[hem\_37c] Sunday: \_\_\_\_\_\_#\_\_\_\_ hour(s)

Note from Wave 1:

A weekly total is calculated as [5(#hours mon-fri) + #hours Sat + #hours Sun] = p\_weeklytv

If hours per week spent watching tv is greater than 26 (inclusive), p\_tvhours = 0

If hours per week spent watching tv is between 15 (inclusive) and 26, p\_tvhours = 1

If hours per week spent watching tv is between 0 and 15, p\_tvhours = 2

1. [hem\_40] During the 2014/2015 school year, how well did you know what your child is studying in school?

\_\_1\_\_\_ I know when every assignment is due and what he/she is studying on particular days.

\_\_2\_\_\_ I know what he/she is studying, but I don’t always know what he/she is studying on particular days.

\_\_3\_\_ I have a general idea of the activities that he/she is doing in school.

\_\_4\_\_\_ I know what classes he/she is taking, but I am not aware of particular activities within these classes.

1. [qhem\_41] During the 2014/2015 school year, how often did you help your child with English grammar?

\_\_1\_\_\_ More than 3 times per day \_\_\_2\_\_ Once a day \_\_\_3\_\_ Once a week

\_\_\_4\_\_ Once a month \_\_5\_\_\_ Almost never

1. [hem\_45\_2] How often does your child amuse him/herself alone with books? (not as part of homework)

\_\_1\_\_\_ More than 3 times per day \_\_2\_\_\_ Once a day \_\_3\_\_\_ Once a week

\_\_4\_\_\_ Once a month \_\_\_5\_\_ Almost never

1. [qhem\_30] At what age did you start to read with your child (even if you no longer read with him/her)?

\_\_\_7\_\_ 35+months     \_\_6\_\_\_ 30-34 months        \_\_\_5\_\_ 24-29 months          \_\_\_4\_\_ 18-23 months

\_\_3\_\_\_ 12-17 months \_\_\_2\_\_ 6-11 months          \_\_1\_\_\_ 0-5 months              \_\_\_0\_\_ Never

1. [qhem\_47] During the 2014/2015 school year, how many hours per week did your child spend on homework?

\_1\_\_ 0 \_2\_\_ 1-2 \_3\_\_ 3-4 \_4\_\_ 5 or more \_-98\_\_ Don’t know

1. [hem\_17a] What is the highest level of education you expect your child to receive?

\_1\_\_ High school

\_2\_ Some college

\_3\_\_ 2-year college degree

\_4\_\_ Technical school degree

\_5\_\_ 4-year college degree

\_6\_\_ Graduate/Law/Medical degree

1. [hem\_31] How often does your child use smart phone or iPad/Tablet “apps” for **educational** reasons?

\_\_5\_\_\_ More than 3 times per day      \_\_4\_\_\_ 1-2 times per day \_\_\_3\_\_ At least once a week

\_\_\_2\_\_ At least once a month    \_\_\_1\_\_ Occasionally       \_\_\_0\_\_ Never

1. [qhem\_32] How often does your child use smart phone or iPad/Tablet “apps” for **entertainment** reasons?

\_\_\_6\_\_ More than 3 times per day      \_\_\_5\_\_ 1-2 times per day \_\_\_4\_\_ Daily

\_\_3\_\_\_ At least once a week \_\_\_2\_\_ At least once a month   \_\_1\_\_\_ Occasionally

\_\_\_0\_\_ Never

**Homework Problem Checklist**

Circle the best answer for each question about your child’s homework habits.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **qhpc\_#** | Never | At times | Often | Very Often | Don’t Know |
| 1. Fails to bring home assignments and materials | 1 | 2 | 3 | 4 | 5 |
| 1. Doesn’t know exactly what has been assigned | 1 | 2 | 3 | 4 | 5 |
| 1. Denies having homework assignment | 1 | 2 | 3 | 4 | 5 |
| 1. Refuses to do homework assignment | 1 | 2 | 3 | 4 | 5 |
| 1. Whines or complains about homework | 1 | 2 | 3 | 4 | 5 |
| 1. Must be reminded to sit down and start homework | 1 | 2 | 3 | 4 | 5 |
| 1. Puts off doing homework, waits until last minute. | 1 | 2 | 3 | 4 | 5 |
| 1. Doesn’t do homework unless someone is in the room | 1 | 2 | 3 | 4 | 5 |
| 1. Doesn’t do homework unless someone does it with him/her | 1 | 2 | 3 | 4 | 5 |
| 1. Daydreams or plays with objects | 1 | 2 | 3 | 4 | 5 |
| 1. Easily distracted by noises or activities of others | 1 | 2 | 3 | 4 | 5 |
| 1. Easily frustrated by homework assignment | 1 | 2 | 3 | 4 | 5 |
| 1. Fails to complete homework | 1 | 2 | 3 | 4 | 5 |
| 1. Takes unusually long time to do homework | 1 | 2 | 3 | 4 | 5 |
| 1. Responds poorly when told to correct homework | 1 | 2 | 3 | 4 | 5 |
| 1. Produces messy or sloppy homework | 1 | 2 | 3 | 4 | 5 |
| 1. Hurries and makes careless mistakes | 1 | 2 | 3 | 4 | 5 |
| 1. Forgets to bring assignment back to class | 1 | 2 | 3 | 4 | 5 |
| 1. Deliberately fails to bring assignment back to class | 1 | 2 | 3 | 4 | 5 |

Note: Langberg et al 2010 uses factor scores

**'HW problems total sum score'** (2 missing allowed)

HWproblems\_total = sum (of qhpc\_1-qhpc\_19)

**'HW problems sum Factor I: problems related to hw completion'** (1 missing allowed)

HW\_FI = sum (of qhpc\_5 qhpc\_6 qhpc\_7 qhpc\_8 qhpc\_9 qhpc\_10 qhpc\_11 qhpc\_12 qhpc\_14 qhpc\_15 qhpc\_16 qhpc\_17);

**'HW problems sum Factor II: problems outside of hw completion time'** (no missing allowed)

HW\_FII = sum (of qhpc\_1 qhpc\_2 qhpc\_3 qhpc\_4 qhpc\_13 qhpc\_18 qhpc\_19);

**GRADES**

Indicate your child’s academic performance in the following subjects in the 2014/2015 school year. If letter grades are not assigned, please use the alternative grade system column.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | *A/*  *Excellent* | *B/*  *Good* | *C/*  *Average* | *D/*  *Below Average* | *F /*  *Fail* | *Alternative Grade System\** |
| English Language Arts/Reading [grd\_elar] | 1 | 2 | 3 | 4 | 5 | 6E 7S 8N 9U |
| Social Studies  [grd\_ss] | 1 | 2 | 3 | 4 | 5 | 6E 7S 8N 9U |
| Math  [grd\_m] | 1 | 2 | 3 | 4 | 5 | 6E 7S 8N 9U |
| Science  [grd\_sc] | 1 | 2 | 3 | 4 | 5 | 6E 7S 8N 9U |

\*E = excellent S = satisfactory N = needs improvement U = unsatisfactory

What score(s) did your child receive on the Florida Standard Assessment this past year (2014/2015 school year)? Please list all applicable scores. If you don’t know, please write DK next to any score that you don’t know.

Reading Score: # [qfsa\_1]

Math Score: # [qfsa\_2]

Science Score: # [qfsa\_3]

Writing Score: # [qfsa\_4]

What grade is your child in right now (or what grade did he/she complete most recently)? \_\_\_#\_\_\_ [qcrtgrd]

**Information Sharing**

Read each question and then circle the appropriate number under the column that best describes your child.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Never** | **Rarely/**  **A little** | **Sometimes** | **Regularly/**  **Many times** | **Often** |
| Does your child spontaneously tell you about his/her friends (which friends he/she hangs out with and how they think and feel about various things)? is\_1 | **1** | **2** | **3** | **4** | **5** |
| How often does your child usually want to tell you about school (how each subject is going; his/her relationship with his/her teachers)? is\_2 | **1** | **2** | **3** | **4** | **5** |
| Does your child keep a lot of secrets from you about what he/she does during his/her free time? is\_3 **nis\_3** | **1**  **5** | **2**  **4** | **3**  **3** | **4**  **2** | **5**  **1** |
| Does your child hide a lot from you about what he/she does during nights and weekends? is\_4  **nis\_4** | **1**  **5** | **2**  **4** | **3**  **3** | **4**  **2** | **5**  **1** |
| Does your child like to tell you about what he/she did and where he/she went during the evening? is\_5 | **1** | **2** | **3** | **4** | **5** |

**Information Sharing total sum score:**

P\_info\_sharing\_total = sum (of is\_1 is\_2 nis\_3 nis\_4 is\_5); **\*\*\*Factor structure unconfirmed**

**Information sharing shares subscale sum score:**

P\_info\_sharing\_shares = sum (of is\_1 is\_2 is\_5);

**Information sharing hides subscale sum score:**

P\_info\_sharing\_hides = sum (of nis\_3 nis\_4);

**DWECK**

This questionnaire has been designed to investigate ideas about intelligence. There are no right or wrong answers. We are interested in your ideas regarding your child’s intelligence. Using the scale below, please indicate the extent to which you agree or disagree with each of the following statements by circling the appropriate number.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **dweck\_#** | Strongly Agree | Agree | Mostly Agree | Mostly Disagree | Disagree | Strongly Disagree |
| 1. My child has a certain amount of intelligence, and he/she can’t really do much to change it. | 1 | 2 | 3 | 4 | 5 | 6 |
| 1. My child’s intelligence is something about him/her that he/she can’t change very much. | 1 | 2 | 3 | 4 | 5 | 6 |
| 1. No matter who my child is, he/she can significantly change his/her intelligence level. **ndweck\_3** | 1  6 | 2  5 | 3  4 | 4  3 | 5  2 | 6  1 |
| 1. To be honest, my child can’t really change how intelligent they are. | 1 | 2 | 3 | 4 | 5 | 6 |
| 1. My child can always substantially change how intelligent they are. **ndweck\_5** | 1  6 | 2  5 | 3  4 | 4  3 | 5  2 | 6  1 |
| 1. My child can learn new things, but he/she can’t really change his/her basic intelligence. | 1 | 2 | 3 | 4 | 5 | 6 |
| 1. No matter how much intelligence my child has, he/she can always change it quite a bit. **ndweck\_7** | 1  6 | 2  5 | 3  4 | 4  3 | 5  2 | 6  1 |
| 1. My child can change even his/her basic intelligence level considerably. **ndweck\_8** | 1  6 | 2  5 | 3  4 | 4  3 | 5  2 | 6  1 |

Implicit Theories of Intelligence Scale assesses general beliefs about the fixedness vs. malleability of intelligence. Lower total scores indicate greater fixedness about intelligence and the four incremental scale items (indicative of malleability or growth) are reverse scored in the total score.

**NOTE:** The Castella & Byrne (2015) paper used the sum for this general scale, as per the validation paper (I assume), but a mean for their self-theory scales. Can probably justify using a mean over sum such that < 3= fixed mindset and >4=growth mindset)

'Parent rated DWECK total sum score' (1 missing allowed)

P\_DWECKtotal = sum (of dweck\_1 dweck\_2 **n**dweck\_3 dweck\_4 **n**dweck\_5 dweck\_6 **n**dweck\_7 **n**dweck\_8);

'Parent rated DWECK entity belief sum score' (no missing allowed)

P\_DWECKentity = sum (of dweck\_1 dweck\_2 dweck\_4 dweck\_6);

'Parent rated DWECK incremental belief sum score' (no missing allowed)

P\_DWECKincremental = sum (of dweck\_3 dweck\_5 dweck\_7 dweck\_8);

**PANAS - Parent**

Below are a number of words that describe different feelings and emotions. Read each word and then circle the appropriate number under the correct column next to that word. Mark each word for the **degree your child feels this way**, that is, **for how your child feels in general.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **panas\_#**  (\*Note: wave 1 variables did not have an underscore) | Very Slightly  Or  Not at All | A Little | Moderately | Quite  A Bit | Extremely |
| 1. INTERESTED | 1 | 2 | 3 | 4 | 5 |
| 2. DISTRESSED | 1 | 2 | 3 | 4 | 5 |
| 3. EXCITED | 1 | 2 | 3 | 4 | 5 |
| 4. UPSET | 1 | 2 | 3 | 4 | 5 |
| 5. STRONG | 1 | 2 | 3 | 4 | 5 |
| 6. GUILTY | 1 | 2 | 3 | 4 | 5 |
| 7. SCARED | 1 | 2 | 3 | 4 | 5 |
| 8. HOSTILE | 1 | 2 | 3 | 4 | 5 |
| 9. ENTHUSIASTIC | 1 | 2 | 3 | 4 | 5 |
| 10. PROUD | 1 | 2 | 3 | 4 | 5 |
| 11. IRRITABLE | 1 | 2 | 3 | 4 | 5 |
| 12. ALERT | 1 | 2 | 3 | 4 | 5 |
| 13. ASHAMED | 1 | 2 | 3 | 4 | 5 |
| 14. INSPIRED | 1 | 2 | 3 | 4 | 5 |
| 15. NERVOUS | 1 | 2 | 3 | 4 | 5 |
| 16. DETERMINED | 1 | 2 | 3 | 4 | 5 |
| 17. ATTENTIVE | 1 | 2 | 3 | 4 | 5 |
| 18. JITTERY | 1 | 2 | 3 | 4 | 5 |
| 19. ACTIVE | 1 | 2 | 3 | 4 | 5 |
| 20. AFRAID | 1 | 2 | 3 | 4 | 5 |

**'PANAS Positive Affect Parent rate twin mean score'** (1 missing allowed)

P\_panas\_PA = mean (of panas\_1 panas\_3 panas\_5 panas\_9 panas\_10 panas\_12 panas\_14 panas\_16 panas\_17 panas\_19 )

**'PANAS Negative Affect Parent rate twin mean score'** (1 missing allowed)

P\_panas\_NA = mean (of panas\_2 panas\_4 panas\_6 panas\_7 panas\_8 panas\_11 panas\_13 panas\_15 panas\_18 panas\_20)

**SWAN**

Children differ in their abilities to focus attention, control activity, and inhibit impulses. **For each item listed below, how does your child compare to other children of the same age?** Please select the best rating based on your observations **over the past month**.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **swan\_#** | **Far**  **Below** | **Below** | **Slightly**  **Below** | **Average** | **Slightly**  **Above** | **Above** | **Far**  **Above** |
| 1. Gives close attention to detail and avoids careless mistakes. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Sustains attention on tasks or play activities. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Listens when spoken to directly. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Follows through on instructions and finishes school work/chores. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Organizes tasks and activities. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Engages in tasks that require sustained mental effort. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Keeps track of things necessary for activities. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Ignores extraneous stimuli. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Remembers daily activities. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Sits still (controls movement of hands/feet or controls squirming). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Stays seated (when required by class rules/social conventions). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Modulates motor activity (inhibits inappropriate running/climbing). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Plays quietly (keeps noise level reasonable). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Settles down and rests (controls constant activity). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Modulates verbal activity (controls excess talking). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Reflects on questions (controls blurting out answers). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Awaits turn (stands in line and takes turns). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1. Enters into conversations and games (controls interrupting/intruding). | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

**'SWAN ADHD-In mean score (ques 1-9) parent on twin'** (1 missing allowed)

P\_swan\_att = mean (of swan\_1 swan\_2 swan\_3 swan\_4 swan\_5 swan\_6 swan\_7 swan\_8 swan\_9)

**'SWAN ADHD-H/Im mean score (ques 10-18) parent on twin'** (1 missing allowed)

P\_swan\_hyper = mean (of swan\_10 swan\_11 swan\_12 swan\_13 swan\_14 swan\_15 swan\_16 swan\_17 swan\_18);

**CADS – Parent Version**

These questions are about your child’s personality. When you answer these questions, please think about the **last 12 months** and circle the number that you feel best describes your child.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **cads\_#** | **Not at all** | **Just a little** | **Pretty much/ Pretty often** | **Very much/ Very often** |
| 1. Is your child curious? | **1** | **2** | **3** | **4** |
| 1. Is he/she friendly? | **1** | **2** | **3** | **4** |
| 1. Is he/she daring and adventurous? | **1** | **2** | **3** | **4** |
| 1. Does your child do things to help other people his/her age without being asked? | **1** | **2** | **3** | **4** |
| 1. Does he/she try to do excellent work in school or at work? | **1** | **2** | **3** | **4** |
| 1. Does he/she like rough games and sports? | **1** | **2** | **3** | **4** |
| 1. Would your child feel guilty if he/she did something that broke the law? | **1** | **2** | **3** | **4** |
| 1. Is your child smooth and charming when he/she is trying to get his/her way? | **1** | **2** | **3** | **4** |
| 1. Does he/she enjoy doing things that are risky or dangerous? | **1** | **2** | **3** | **4** |
| 1. Does he/she react with little or no emotion to both positive and negative things? | **1** | **2** | **3** | **4** |
| 1. Does he/she like things that are exciting and loud? | **1** | **2** | **3** | **4** |
| 1. Does he/she keep his/her true feelings to himself/herself? | **1** | **2** | **3** | **4** |
| 1. Is he/she good at telling lies that other people believe? | **1** | **2** | **3** | **4** |
| 1. Would it bother your child if he/she didn’t have a close friend? | **1** | **2** | **3** | **4** |
| 1. Does he/she like for things to stay the same and not change? | **1** | **2** | **3** | **4** |
| 1. Does your child avoid situations where he/she might get hurt? | **1** | **2** | **3** | **4** |
| 1. Does he/she share things with other people without being asked? | **1** | **2** | **3** | **4** |
| 1. Is your child shy with other people his/her age? | **1** | **2** | **3** | **4** |
| 1. Does he/she feel bad for other people when they get hurt? | **1** | **2** | **3** | **4** |
| 1. Is he/she emotional? | **1** | **2** | **3** | **4** |
| 1. Would your child get upset if he/she saw an animal being hurt? | **1** | **2** | **3** | **4** |
| 1. Does your child enjoy bothering or hurting other people his/her age? | **1** | **2** | **3** | **4** |
| 1. Is he/she easily embarrassed? | **1** | **2** | **3** | **4** |
| 1. Does he/she like TV, movies, comics, or electronic games with a lot of violence in them? | **1** | **2** | **3** | **4** |
| 1. Is your child afraid of people his/her age who like to fight? | **1** | **2** | **3** | **4** |
| 1. Does your child think it’s funny when other people his/her age are upset? | **1** | **2** | **3** | **4** |
| 1. Is your child more interested in sex than other people his/her age? | **1** | **2** | **3** | **4** |
| 1. Does he/she get upset easily? | **1** | **2** | **3** | **4** |
| 1. Does your child enjoy doing what he/she is told not to do? | **1** | **2** | **3** | **4** |
| 1. Does he/she get bored easily? | **1** | **2** | **3** | **4** |
| 1. Is he/she carefree? | **1** | **2** | **3** | **4** |
| 1. Does your child like meeting new people his/her age? | **1** | **2** | **3** | **4** |
| 1. Does your child enjoy it when other people say he/she did a good job? | **1** | **2** | **3** | **4** |
| 1. Does he/she try to cheer up other people his/her age who are sad or upset? | **1** | **2** | **3** | **4** |
| 1. Does he/she like to scare other people his/her age? | **1** | **2** | **3** | **4** |
| 1. Does your child react intensely when he/she gets upset? | **1** | **2** | **3** | **4** |
| 1. Does he/she feel sorry for kids who get picked on? | **1** | **2** | **3** | **4** |
| 1. Is he/she cautious? | **1** | **2** | **3** | **4** |
| 1. Would your child think it would be fun to watch two dogs fight? | **1** | **2** | **3** | **4** |
|  | **Not at all** | **Just a little** | **Pretty much/ Pretty often** | **Very much/ Very often** |
| 1. Is he/she selfish? | **1** | **2** | **3** | **4** |
| 1. Does your child want everyone to follow the rules, including himself/herself? | **1** | **2** | **3** | **4** |
| 1. Does he/she care about other people’s feelings? | **1** | **2** | **3** | **4** |
| 1. Does he/she enjoy learning about new and interesting things? | **1** | **2** | **3** | **4** |
| 1. Is he/she calm and easy-going?   **[ncads\_44]** | **1**  **4** | **2**  **3** | **3**  **2** | **4**  **1** |
| 1. Does your child enjoy being with other people his/her age? | **1** | **2** | **3** | **4** |
| 1. Does he/she exaggerate things and blow them out of proportion? | **1** | **2** | **3** | **4** |
| 1. Is he/she jealous of what other people have? | **1** | **2** | **3** | **4** |
| 1. Is he/she concerned about what is right and wrong? | **1** | **2** | **3** | **4** |
| 1. Do his/her moods change unpredictably? | **1** | **2** | **3** | **4** |
| 1. Is your child brave? | **1** | **2** | **3** | **4** |
| 1. Is he/she energetic when he/she has a job to do? | **1** | **2** | **3** | **4** |
| 1. Is he/she enthusiastic about life? | **1** | **2** | **3** | **4** |
| 1. When your child has something to do, is he/she determined to get it done? | **1** | **2** | **3** | **4** |
| 1. Does he/she feel confident that he/she can handle life’s challenges? | **1** | **2** | **3** | **4** |
| 1. Is your child a self-starter, who does things he/she needs to do without being told? | **1** | **2** | **3** | **4** |
| 1. Is your child proud of himself/herself? | **1** | **2** | **3** | **4** |
| 1. Is he/she cheerful? | **1** | **2** | **3** | **4** |

**'CADS-Dispositional Sympathy Facet mean score'** (1 missing allowed)

P\_cads\_dis = mean (of cads\_42 cads\_19 cads\_4 cads\_34 cads\_37 cads\_21 cads\_17 cads\_43);

**'CADS-Respect for Rules mean score'** (no missing allowed)

P\_cads\_resp = mean (of cads\_48 cads\_41 cads\_7 cads\_5);

**'CADS-Negative Emotionality Dimension mean score'** (1 missing allowed)

P\_cads\_neg = mean(of cads\_28 cads\_36 cads\_49 cads\_46 cads\_47 cads\_30 cads\_23 cads\_20 ncads\_44);

**'CADS-Prosociality Dimension mean score '** (1 missing allowed)

P\_cads\_pro = mean(of cads\_42 cads\_19 cads\_4 cads\_34 cads\_37 cads\_21 cads\_17 cads\_43 cads\_48 cads\_41 cads\_7 cads\_5);

**'CADS-Daring Dimension mean score'** (no missing allowed)

P\_cads\_dar = mean(of cads\_3 cads\_9 cads\_6 cads\_11 cads\_50);

**'CADS-Positive Emotionality Dimension mean score'** (1 missing allowed)

P\_cads\_pos = mean(of cads\_51-cads\_57);

\*NOTE: this dimension is not validated in original pub\*

**Parent DBD Rating Scale**

This questionnaire asks about a wide range of behavior that some children exhibit including some very severe behaviors. Circle the number for the answer that best describes each of your twins. **Please write DK next to any items for which you don't know the answer.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **pdbd\_#** | **NOT AT ALL** | **JUST A LITTLE** | **PRETTY MUCH** | **VERY MUCH** |
| 1. often interrupts or intrudes on others (e.g., butts into conversations or games) | 1 | 2 | 3 | 4 |
| 1. has run away from home overnight at least twice while living in parental or parental surrogate home (or once without returning for a lengthy period) | 1 | 2 | 3 | 4 |
| 1. often argues with adults | 1 | 2 | 3 | 4 |
| 1. often lies to obtain goods or favors or to avoid obligations (i.e., "cons" others) | 1 | 2 | 3 | 4 |
| 1. often initiates physical fights with other members of his or her household | 1 | 2 | 3 | 4 |
| 1. has been physically cruel to people | 1 | 2 | 3 | 4 |
| 1. often talks excessively | 1 | 2 | 3 | 4 |
| 1. has stolen items of nontrivial value without confronting a victim (e.g., shoplifting, but without breaking and entering; forgery) | 1 | 2 | 3 | 4 |
| 1. is often easily distracted by extraneous stimuli | 1 | 2 | 3 | 4 |
| 1. often engages in physically dangerous activities without considering possible consequences (not for the purpose of thrill-seeking), e.g., runs into street without looking | 1 | 2 | 3 | 4 |
| 1. often truant from school, beginning before age 13 years | 1 | 2 | 3 | 4 |
| 1. often fidgets with hands or feet or squirms in seat | 1 | 2 | 3 | 4 |
| 1. is often spiteful or vindictive | 1 | 2 | 3 | 4 |
| 1. often swears or uses obscene language | 1 | 2 | 3 | 4 |
| 1. often blames others for his or her mistakes or misbehavior | 1 | 2 | 3 | 4 |
| 1. has deliberately destroyed others' property (other than by fire setting) | 1 | 2 | 3 | 4 |
| 1. often actively defies or refuses to comply with adults' requests or rules | 1 | 2 | 3 | 4 |
| 1. often does not seem to listen when spoken to directly | 1 | 2 | 3 | 4 |
| 1. often blurts out answers before questions have been completed | 1 | 2 | 3 | 4 |
| 1. often initiates physical fights with others who do not live in his or her household (e.g., peers at school or in the neighborhood) | 1 | 2 | 3 | 4 |
| 1. often shifts from one uncompleted activity to another | 1 | 2 | 3 | 4 |
| 1. often has difficulty playing or engaging in leisure activities quietly | 1 | 2 | 3 | 4 |
| 1. often fails to give close attention to details or makes careless mistakes in schoolwork, work, or other activities | 1 | 2 | 3 | 4 |
| 1. is often angry and resentful | 1 | 2 | 3 | 4 |
| 1. often leaves seat in classroom or in other situations in which remaining seated is expected | 1 | 2 | 3 | 4 |
| 1. is often touchy or easily annoyed by others | 1 | 2 | 3 | 4 |
| 1. often does not follow through on instructions and fails to finish schoolwork, chores, or duties in the workplace (not due to oppositional behavior or failure to understand instructions) | 1 | 2 | 3 | 4 |
| 1. often loses temper | 1 | 2 | 3 | 4 |
| 1. often has difficulty sustaining attention in tasks or play activities | 1 | 2 | 3 | 4 |
| 1. often has difficulty awaiting turn | 1 | 2 | 3 | 4 |
| 1. has forced someone into sexual activity | 1 | 2 | 3 | 4 |
| 1. often bullies, threatens, or intimidates others | 1 | 2 | 3 | 4 |
| 1. is often "on the go" or often acts as if "driven by a motor" | 1 | 2 | 3 | 4 |
| 1. often loses things necessary for tasks or activities (e.g., toys, school assignments, pencils, books, or tools) | 1 | 2 | 3 | 4 |
| 1. often runs about or climbs excessively in situations in which it is inappropriate (in adolescents or adults, may be limited to subjective feelings of restlessness) | 1 | 2 | 3 | 4 |
| 1. has been physically cruel to animals | 1 | 2 | 3 | 4 |
| 1. often avoids, dislikes, or is reluctant to engage in tasks that require sustained mental effort (such as schoolwork or homework) | 1 | 2 | 3 | 4 |
| 1. often stays out at night despite parental prohibitions, beginning before age 13 years | 1 | 2 | 3 | 4 |
| 1. often deliberately annoys people | 1 | 2 | 3 | 4 |
| 1. has stolen while confronting a victim (e.g., mugging, purse snatching, extortion, armed robbery) | 1 | 2 | 3 | 4 |
| 1. has deliberately engaged in fire setting with the intention of causing serious damage | 1 | 2 | 3 | 4 |
| 1. often has difficulty organizing tasks and activities | 1 | 2 | 3 | 4 |
| 1. has broken into someone else's house, building, or car | 1 | 2 | 3 | 4 |
| 1. is often forgetful in daily activities | 1 | 2 | 3 | 4 |
| 1. has used a weapon that can cause serious physical harm to others (e.g., a bat, brick, broken bottle, knife, gun) | 1 | 2 | 3 | 4 |
| 1. does not feel bad or guilty when he/she does something wrong | 1 | 2 | 3 | 4 |
| 1. disregards and is unconcerned with the feelings of others | 1 | 2 | 3 | 4 |
| 1. does not show concern about poor/problematic performance at school, work, or other important activities | 1 | 2 | 3 | 4 |
| 1. does not express feelings or show emotions to others, except in ways that seem shallow, insincere, or superficial, or when used for gain | 1 | 2 | 3 | 4 |

**DBD SYMPTOMS AND DIAGNOSES:**

if pdbd\_[#] = 3 (pretty much) or 4 (very much), then count\_[#] = 1

**'DBD- ADHD Inattention Symptom Count'**

P\_DBDcount\_att = sum (of count\_9 count\_18 count\_23 count\_27 count\_29 count\_34 count\_37 count\_42 count\_44);

**'DBD ADHD Inattention Diagnosis'**

if P\_DBDcount\_att ge **6** then P\_DBD\_Att = **1**;

if P\_DBDcount\_att < **6** then P\_DBD\_Att = **0**;

if P\_DBDcount\_att = **.** then P\_DBD\_Att = **.**;

**'DBD ADHD Hyperactivity Symptom Count '**

P\_DBDcount\_hyp = sum (of count\_1 count\_7 count\_12 count\_19 count\_22 count\_25 count\_30 count\_33 count\_35);

**'DBD ADHD Hyperactivity Diagnosis'**

if P\_DBDcount\_hyp ge **6** then P\_DBD\_hyp = **1**;

if P\_DBDcount\_hyp < **6** then P\_DBD\_hyp = **0**;

if P\_DBDcount\_hyp = **.** then P\_DBD\_hyp = **.**;

**'DBD ADHD Total Symptom Count'**

P\_DBDcount\_total = P\_DBDcount\_hyp + P\_DBDcount\_att;

**'DBD ADHD Combined Type Diagnosis'**

if P\_DBD\_hyp =**1** then if P\_DBD\_att = **1** then P\_DBD\_comb = **1**;

if P\_DBD\_hyp =**0** then if P\_DBD\_att = **0** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**0** then if P\_DBD\_att = **.** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**.** then if P\_DBD\_att = **0** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**0** then if P\_DBD\_att = **1** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**1** then if P\_DBD\_att = **0** then P\_DBD\_comb = **0**;

**'DBD ODD Symptom Count'**

P\_DBDcount\_odd = sum (of count\_3 count\_13 count\_15 count\_17 count\_24 count\_26 count\_28 count\_39 );

**'DBD ODD Diagnosis'**

if P\_DBDcount\_odd ge **4** then P\_DBD\_odd = **1**;

if P\_DBDcount\_odd < **4** then P\_DBD\_odd = **0**;

if P\_DBDcount\_odd = **.** then P\_DBD\_odd = **.**;

**'DBD CD-Aggression to ppl or animals Symptom Count'**

P\_DBDcount\_cd\_agg = sum (of count\_6 count\_20 count\_31 count\_32 count\_36 count\_40 count\_45);

**'DBD CD-Destruction of Property Symptom Count'**

P\_DBDcount\_cd\_prop = sum (of count\_16 count\_41);

**'DBD CD-Deceitfulness or theft Symptom Count'**

P\_DBDcount\_cd\_deceit = sum (of count\_4 count\_8 count\_43);

**'DBD CD-Serious Violation of Rules Symptom Count'**

P\_DBDcount\_cd\_rules = sum (of count\_2 count\_11 count\_38);

**'DBD CD Symptom Count DSM 4’**

totalCD = sum (of P\_DBDcount\_cd\_rules P\_DBDcount\_cd\_deceit P\_DBDcount\_cd\_prop P\_DBDcount\_cd\_agg );

**'DBD CD Diagnosis DSM 4'**

if totalCD ge **3** then P\_DBD\_CD\_DSM4 = **1**;

if totalCD < **3** then P\_DBD\_CD\_DSM4 = **0**;

if totalCD = **.** then P\_DBD\_CD\_DSM4 = **.**;

**DBD FACTOR SCORES:**

If pdbd\_[#] = 1, then npdbd\_[#] = 0

If pdbd\_[#] = 2, then npdbd\_[#] = 1

If pdbd\_[#] = 3, then npdbd\_[#] = 2

If pdbd\_[#] = 4, then npdbd\_[#] = 3

**'DBD ODD factor score (total mean score)'** (1 missing allowed)

P\_DBDfactor\_ODD = mean (of npdbd\_3 npdbd\_13 npdbd\_15 npdbd\_17 npdbd\_24 npdbd\_26 npdbd\_28 npdbd\_39);

**'DBD ADHD Inattention factor score (total mean score)'** (1 missing allowed)

P\_DBDfactor\_Att = mean (of npdbd\_9 npdbd\_18 npdbd\_23 npdbd\_27 npdbd\_29 npdbd\_34 npdbd\_37 npdbd\_42 npdbd\_44);

**'DBD ADHD Impulsivity/Overactivity factor score (total mean score)'** (1 missing allowed)

P\_DBDfactor\_Hyp = mean (of npdbd\_1 npdbd\_7 npdbd\_12 npdbd\_19 npdbd\_22 npdbd\_25 npdbd\_30 npdbd\_33 npdbd\_35);

**‘DBD CD factor score (total mean score)’** (1 missing allowed)

P\_DBDfactor\_CD = mean (of npdbd\_6 npdbd\_20 npdbd\_31 npdbd\_32 npdbd\_36 npdbd\_40 npdbd\_45 npdbd\_16 npdbd\_41 npdbd\_4 npdbd\_8 npdbd\_43 npdbd\_2 npdbd\_11 npdbd\_38);

**BRIEF**

Below is a list of statements that describe children. We would like to know if your child has had problems with these behaviors over the past 6 months. Please answer all the items the best that you can. Please DO NOT SKIP ANY ITEMS. Think about your child as you read each statement and circle your response.

|  |  |  |  |
| --- | --- | --- | --- |
| **brief\_# =** N=1 S=2 O=3 | **Never** | **Sometimes** | **Often** |
| 1. Overreacts to small problems | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. When given three things to do, only remembers the first or last | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Is not a self-starter | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Leaves playroom a mess | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Resists or has trouble accepting a different way to solve a problem with schoolwork, friends, chores, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Becomes upset with new situations | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has explosive, angry outburst | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Tries the same approach to a problem over and over even when it does not work | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has a short attention span | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Needs to be told to begin a task even when willing | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not bring home homework, assignment sheets, materials, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Acts upset by a change in plans | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Is disturbed by change of teacher or class | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not check work for mistakes | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has good ideas but cannot get them on paper | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble coming up with ideas for what to do in play or free time | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble concentrating on chores, schoolwork, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not connect doing tonight’s homework with grades | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Is easily distracted by noises, activity, sights, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Becomes tearful easily | **N** | **S** | **O** |
| 1. Makes careless errors | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Forgets to hand in homework, even when completed | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Resists change of routine, foods, places, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble with chores or tasks that have more than one step | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has outbursts for little reason | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Mood changes frequently | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Needs help from an adult to stay on task | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Gets caught up in details and misses the big picture | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Keeps room messy | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble getting used to new situations (classes, groups, friends) | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has poor handwriting | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Forgets what he/she was doing | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. When sent to get something, forgets what he/she is supposed to get | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Is unaware of how his/her behavior affects or bothers others | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has good ideas but does not get job done (lacks follow-through) | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Becomes overwhelmed by large assignments | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble finishing tasks (chores, homework) | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Acts wilder or sillier than others in groups (birthday parties, recess) | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Things too much about the same topic | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Underestimates time needed to finish tasks | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Interrupts others | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not notice when his/her behavior causes negative reactions | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Gets out of seat at the wrong times | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Gets out of control more than friends | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Reacts more strongly to situations than other children | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Starts assignments or chores at the last minute | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble getting started on homework or chores | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble organizing activities with friends | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Blurts things out | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Mood is easily influenced by the situation | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not plan ahead for school assignments | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has poor understanding of own strengths and weaknesses | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Written work is poorly organized | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Acts too wild or “out of control” | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble putting the brakes on his/her actions | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Gets in trouble if not supervised by an adult | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble remembering things, even for a few minutes | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble carrying out the actions needed to reach goals (saving money for special item, studying to get a good grade) | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Becomes too silly | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Work is sloppy | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not take initiative | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Angry or tearful outbursts are intense but end suddenly | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not realize that certain actions bother others | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Small events trigger big reactions | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Talks at the wrong time | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Complains there is nothing to do | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Cannot find things in room or school desk | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Leaves a trail of belongings wherever he/she goes | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Leaves messes that others have to clean up | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Becomes upset too easily | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Lies around the house a lot (“couch potato”) | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has a messy closet | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble waiting for turn | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Loses lunch box, lunch money, permission slips, homework, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Cannot find clothes, glasses, shoes, toys, books, pencils, etc. | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Tests poorly even when knows correct answers | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not finish long-term projects | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has to be closely supervised | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Does not think before doing | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble moving from one activity to another | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Is fidgety | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Is impulsive | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Cannot stay on the same topic when talking | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Gets stuck on one topic or activity | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Says the same things over and over | **N**  **1** | **S**  **2** | **O**  **3** |
| 1. Has trouble getting through morning routine in getting ready for school | **N**  **1** | **S**  **2** | **O**  **3** |

**If more than 14 items are missing, then the BRIEF cannot be scored.**

**If more than 2 items are missing from a scale, then the scale cannot be scored.**

**\*\*\*SEE FULL CODE IN APPENDIX FOR BEST REPRESENTATION OF BRIEF SCORING\*\*\***

**‘BRIEF Inconsistency Sum Score’**

**Inconsistency: \_**BR725 = |brief\_7-brief\_25|, \_BR1122 = |brief\_11-brief\_22|, \_BR2717 = |brief\_27-brief\_17|, \_BR3332 = |brief\_33-brief\_32|, \_BR3859 = |brief\_38-brief\_59|, \_BR4165 = |brief\_41-brief\_65|, \_BR4263 = |brief\_42-brief\_63|, \_BR4454 = |brief\_44-brief\_54|, \_BR5360 = |brief\_53-brief\_60|, \_BR5544 = |brief\_55-brief\_44|.

P\_BRIEF\_Inconsistency = sum(\_BR725 \_BR1122 \_BR2717 \_BR3332 \_BR3859 \_BR4165 \_BR4263 \_BR4454 \_BR5360 \_BR5544) I≤6 = Acceptable; I =7 to 8= Questionable, I≥9 = Inconsistent

**‘BRIEF Negativity Sum Score’**

If brief\_8 brief\_13 brief\_23 brief\_3 brief\_62 brief\_71 brief\_80 brief\_83 brief\_85 = 3, then one point for each item gets added to the Negatvitiy Sum Score. If they don’t =3 then no points get added.

P\_BRIEF\_negativity = sum of single points amassed from brief\_8 brief\_13 brief\_23 brief\_3 brief\_62 brief\_71 brief\_80 brief\_83 brief\_85

N≤4 = Acceptable; 5 to 6 = Elevated; N≥7 = Highly Elevated

\*\*\*scores of 5 or more should be considered elevated and a cause for careful review of the protocol. Scores at or above a 7 likely reflect either an excessively negative perception of the child or that the child may have substantial executive dysfunction.

**‘BRIEF Inhibition Sum Score’**

P\_BRIEF\_Inhib **=** brief\_38 brief\_41 brief\_43 brief\_44 brief\_49 brief\_54 brief\_55 brief\_56 brief\_59 brief\_65.

**‘BRIEF Inhibition t-score’**

BRIEF\_Inhib\_SS

**‘BRIEF Shift Sum Score’**

P\_BRIEF\_shift **=** brief\_5 brief\_6 brief\_8 brief\_12 brief\_13 brief\_23 brief\_30 brief\_39

**‘BRIEF Shift t-score’**

BRIEF\_Shift\_SS

**‘BRIEF Emotional Control Sum Score’**

P\_BRIEF\_emo **=** brief\_1 brief\_7 brief\_20 brief\_25 brief\_26 brief\_45 brief\_50 brief\_62 brief\_64 brief\_70

**’BRIEF Emotional Control t-score’**

BRIEF\_Emo\_SS

**‘BRIEF Initiate Sum Score**

P\_BRIEF\_initiate **=** brief\_3 brief\_10 brief\_16 brief\_47 brief\_48 brief\_61 brief\_66 brief\_71

**‘BRIEF Initiate t-score’**

BRIEF\_Initiate\_SS

**BRIEF Working Memory Sum Score**

P\_BRIEF\_wm **=** brief\_2 brief\_9 brief\_17 brief\_19 brief\_24 brief\_27 brief\_32 brief\_33 brief\_37 brief\_57

**‘BRIEF Working Memory t-score’**

BRIEF\_WM\_SS

**BRIEF Plan/Organize Sum Score**

P\_BRIEF\_plan= brief\_11 brief\_15 brief\_18 brief\_22 brief\_28 brief\_35 brief\_36 brief\_40 brief\_46 brief\_51 brief\_53 brief\_58

**‘BRIEF Plan/Organize t-score’**

BRIEF\_PO\_SS

**BRIEF Organization of Materials Sum Score** =

P\_BRIEF\_organize = brief\_4 brief\_29 brief\_67 brief\_68 brief\_69 brief\_72

**‘BRIEF Organization of Materials t-score’**

BRIEF\_OM\_SS

**BRIEF Monitor Sum Score =**

P\_BRIEF\_monitor =brief\_14 brief\_21 brief\_31 brief\_34 brief\_42 brief\_52 brief\_60 brief\_63

**‘BRIEF Monitor t-score’**

BRIEF\_Mon\_SS

**BRIEF Behavioral Regulation Index Sum Score**

P\_BRIEF\_behreg **=**  P\_BRIEF\_inhib + P\_BRIEF\_shift + P\_BRIEF\_emo

**BRIEF Behavioral Regulation Index t-score**

BRIEF\_Behreg\_SS

**BRIEF Metacognition Index Sum Score**

P\_BRIEF\_meta = P\_BRIEF\_initiate + P\_BRIEF\_wm + P\_BRIEF\_plan + P\_BRIEF\_organize + P\_BRIEF\_monitor

**BRIEF Metacognition Index t-score**

BREIF\_Metacog\_SS

**BRIEF Global Executive Composite \*\*\*Note, consult manual before using, end user must change values if t-scores are low.**

P\_BRIEF\_globalcomposite = P\_BRIEF\_behreg + P\_BRIEF\_meta

**BRIEF Global Executive Composite t-score**

BRIEF\_GC\_SS

**REFERENCES**

*Below are references for scales used in Wave 2. References appear in same order as found in codebook codebook/parent booklet. The following measures DO NOT have references: Home Environment, Prenatal Environment, Family History of Reading/Learning Disabilities, Grades.*

**HLE (p. 7-8 & 15-16)**

Griffin, E. A. & Morrison, F. J. (1997). The unique contribution of home literacy environment to differences in early literacy skills. *Early Child Development and Care, 127-128,* 233-243.

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**CADS (p. 23-26)**

Lahey, B. B., Applegate, B., Chronis, A. M., Jones, H. A., Williams, S. H., Loney, J. & Waldman, I. D. (2008). Psychometric characteristics of a measure of emotional dispositions developed to test a developmental propensity model of conduct disorder. *Journal of Clinical Child & Adolescent Psychology 37*(4), 794 – 807.

**DBD (p. 26-30)**

Pelham, W. E., Gnagy, E. M., Greenslade, K. E. & Milich, R. (1992). Teacher ratings of DSM-III-R symptoms for the disruptive behavior disorders. *Journal of the American Academy of Child and Adolescent Psychiatry, 31*(2), 210-218.

**BRIEF (p. 30-35)**

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**\*\*\*FULL CODE APPENDIX\*\*\***

**Code by Sara Hart**

The following code is the full code written and run by Sara for preparation of final datasets. Chunks of code are embedded throughout this codebook, but the full code is contained here exactly as was sent to Chelsea Lynch on 3/21/2017.

\*\*this is the code to bring together the wave 2

parent Q data and to create sum scores, etc with it...done by SHart, 10/2016;

libname bg 'C:\Sara\Florida\data\Wave 2 packlet coding';

**proc** **import** datafile="C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\SPSS Files\Parent Family Level Data (10152016).sav" out=familylevel dbms = sav replace;

**run**;

**proc** **contents** data=familylevel;

**run**;

**proc** **freq**; tables hem1; **run**;

**proc** **import** datafile="C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\SPSS Files\Parent Twin Level Data (10132016).sav" out=parentontwin dbms = sav replace;

**run**;

**proc** **contents** data=parentontwin;

**run**;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*family level variables\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

**data** family; set familylevel;

array nvar(\*) \_numeric\_;

do i= **1** to dim(nvar);

if nvar(i) in(-**98**, -**99**, -**9**, -**35**) then nvar(i)= **.**;

end;

if fid = **2631** then hem33b = **5**;

if hem33b = **10** then hem33b = **.**;

if hem33a = **10** then hem33a = **.**;

**run**;

\*\*checking out non-scaled variables;

**proc** **contents** data=family; **run**;

**proc** **freq**; tables hem1 hem3 hem31\_a hem31\_b qhem48 qhem20\_adults qhem20\_children qhem21 hem33a hem33b

qhem22 qhem23 qhem24 qhem25 qhem26 qhem27 qhem28\_weeks qhem28\_days qhem29a\_bw\_lbs qhem29b\_bw\_lbs; **run**;

/\* This was to create a zipcode file for the DIS students to code the zipcodes

data onlyzip (keep = fid qhem21 qhem21\_a); set family; run;

proc export

data=onlyzip

dbms=xlsx

outfile="C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\zipcodes.xlsx"

replace;

run;

ods html file="C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\zipcodes.xls";

proc print data=all; var tid fid qhem21 qhem21\_a ; run;

ods html close;

\*/

**data** family2 (drop= SpPckt i); set family;

**run**;

/\* proc freq; tables hem32a hem32b hem33a hem33b; run; \*/

\*\*HLE family level;

**proc** **means** data=family2; var hem9 hem9a hem10 hemnews10 hemmagadult10 hemmagkid10 hem11 hem12; **run**;

**proc** **freq** data=family2; tables hem9 hem9a hem10 hemnews10 hemmagadult10 hemmagkid10 hem11 hem12; **run**;

**data** family3; set family2;

if hem9a = **1** then hlecount9\_new =**0**;

if hem9a = **.5** then hlecount9\_new =**0**;

if hem9a = **0** then hlecount9\_new =**0**;

if hem9a ge **2** then hlecount9\_new=**1**;

if hemnews10 = **0** then hemnews10count = **0**;

if hemnews10 = **1** then hemnews10count = **1**;

if hemnews10 ge **2** then hemnews10count = **2**;

if hemmagkid10 = **0** then hemmagkid10count = **0**;

if hemmagkid10 = **1** then hemmagkid10count = **1**;

if hemmagkid10 ge **2** then hemmagkid10count = **2**;

if hemmagadult10 = **0** then hemmagadult10count = **0**;

if hemmagadult10 = **1** then hemmagadult10count = **1**;

if hemmagadult10 = **2** then hemmagadult10count = **1**;

if hemmagadult10 > **2** then hemmagadult10count = **2**;

if hem11=**1** then hlecount11=**2**;

if hem11=**2** then hlecount11=**1**;

if hem11 ge **3** then hlecount11=**0**;

if hem12=**1** then hlecount12=**2**;

if hem12=**2** then hlecount12=**1**;

if hem12 ge **3** then hlecount12=**0**;

**run**;

**proc** **freq** data=family3; tables hem9a hlecount9\_new hem11 hlecount11 hem12 hlecount12 hemnews10 hemnews10count

hemmagkid10 hemmagkid10count hemmagadult10 hemmagadult10count; **run**;

**data** family3a; set family3;

TOTSUMHLE = N(OF hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count);

**run**;

**proc** **freq**; tables TOTSUMHLE; **run**;

**data** family4 (drop=hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count); set family3a;

P\_hle\_family = **.**;

P\_hle\_family\_missing = **.**;

if TOTSUMHLE ge **5** then P\_hle\_family\_missing = sum (of hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count);

if TOTSUMHLE = **6** then P\_hle\_family = sum (of hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count);

P\_hle\_family\_all = sum (of hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count);

label

P\_hle\_family = 'Griffin and Morrison home literacy environment family-specific; not allowing for any missing'

P\_hle\_family\_missing = 'Griffin and Morrison home literacy environment family-specific; when allowing for one missing variable'

P\_hle\_family\_all = 'Griffin and Morrison home literacy environment family-specific; using all available data no matter missing \*recommended by Shart\*' ; **run**;

/\*proc print data=family4; var hlecount9\_new hlecount11 hlecount12 hemnews10count hemmagkid10count hemmagadult10count P\_hle\_family; run;\*/

**proc** **corr**; var P\_hle\_family\_missing P\_hle\_family P\_hle\_family\_all; **run**;

\*\*\*\*\*family history;

**proc** **freq**; tables qrld1 qrld1\_1 qrld1\_2 ; **run**;

**proc** **freq**; tables qrld2 qrld2\_1 qrld2\_2 ; **run**;

**proc** **freq**; tables qrld3 qrld3\_1 qrld3\_2 ; **run**;

**proc** **freq**; tables qrld4 qrld4\_1 qrld4\_2 ; **run**;

**proc** **freq**; tables qrld5 qrld5\_1 qrld5\_2 ; **run**;

**proc** **freq**; tables qrld6 qrld6\_1 qrld6\_2 ; **run**;

**proc** **freq**; tables qrld7 qrld7\_1 qrld7\_2 ; **run**;

**proc** **freq**; tables qrld8 qrld8\_1 qrld8\_2 ; **run**;

**proc** **freq**; tables qrld9 qrld9\_1 qrld9\_2 ; **run**;

**data** family4a; set family4;

FHreading\_mom = **0**;

FHreading\_dad = **0**;

FHreading\_fullsib = **0**;

FHreading\_halfsib = **0**;

if qrld1 = **1** then FHreading\_mom = **1**;

if qrld1 = **2** then FHreading\_dad = **1**;

if qrld1 = **3** then FHreading\_fullsib = **1**;

if qrld1 = **4** then FHreading\_halfsib = **1**;

if qrld1\_1 = **2** then FHreading\_dad = **1**;

if qrld1\_1 = **3** then FHreading\_fullsib = **1**;

if qrld1\_1 = **4** then FHreading\_halfsib = **1**;

if qrld1\_2 = **3** then FHreading\_fullsib = **1**;

if qrld1\_2 = **4** then FHreading\_halfsib = **1**;

FHspelling\_mom = **0**;

FHspelling\_dad = **0**;

FHspelling\_fullsib = **0**;

FHspelling\_halfsib = **0**;

if qrld2 = **1** then FHspelling\_mom = **1**;

if qrld2 = **2** then FHspelling\_dad = **1**;

if qrld2 = **3** then FHspelling\_fullsib = **1**;

if qrld2 = **4** then FHspelling\_halfsib = **1**;

if qrld2\_1 = **2** then FHspelling\_dad = **1**;

if qrld2\_1 = **3** then FHspelling\_fullsib = **1**;

if qrld2\_1 = **4** then FHspelling\_halfsib = **1**;

if qrld2\_2 = **3** then FHspelling\_fullsib = **1**;

if qrld2\_2 = **4** then FHspelling\_halfsib = **1**;

FHwriting\_mom = **0**;

FHwriting\_dad = **0**;

FHwriting\_fullsib = **0**;

FHwriting\_halfsib = **0**;

if qrld3 = **1** then FHwriting\_mom = **1**;

if qrld3 = **2** then FHwriting\_dad = **1**;

if qrld3 = **3** then FHwriting\_fullsib = **1**;

if qrld3 = **4** then FHwriting\_halfsib = **1**;

if qrld3\_1 = **2** then FHwriting\_dad = **1**;

if qrld3\_1 = **3** then FHwriting\_fullsib = **1**;

if qrld3\_1 = **4** then FHwriting\_halfsib = **1**;

if qrld3\_2 = **3** then FHwriting\_fullsib = **1**;

if qrld3\_2 = **4** then FHwriting\_halfsib = **1**;

FHmath\_mom = **0**;

FHmath\_dad = **0**;

FHmath\_fullsib = **0**;

FHmath\_halfsib = **0**;

if qrld4 = **1** then FHmath\_mom = **1**;

if qrld4 = **2** then FHmath\_dad = **1**;

if qrld4 = **3** then FHmath\_fullsib = **1**;

if qrld4 = **4** then FHmath\_halfsib = **1**;

if qrld4\_1 = **2** then FHmath\_dad = **1**;

if qrld4\_1 = **3** then FHmath\_fullsib = **1**;

if qrld4\_1 = **4** then FHmath\_halfsib = **1**;

if qrld4\_2 = **3** then FHmath\_fullsib = **1**;

if qrld4\_2 = **4** then FHmath\_halfsib = **1**;

FHlanguage\_mom = **0**;

FHlanguage\_dad = **0**;

FHlanguage\_fullsib = **0**;

FHlanguage\_halfsib = **0**;

if qrld5 = **1** then FHlanguage\_mom = **1**;

if qrld5 = **2** then FHlanguage\_dad = **1**;

if qrld5 = **3** then FHlanguage\_fullsib = **1**;

if qrld5 = **4** then FHlanguage\_halfsib = **1**;

if qrld5\_1 = **2** then FHlanguage\_dad = **1**;

if qrld5\_1 = **3** then FHlanguage\_fullsib = **1**;

if qrld5\_1 = **4** then FHlanguage\_halfsib = **1**;

if qrld5\_2 = **3** then FHlanguage\_fullsib = **1**;

if qrld5\_2 = **4** then FHlanguage\_halfsib = **1**;

FHdyslexia\_mom = **0**;

FHdyslexia\_dad = **0**;

FHdyslexia\_fullsib = **0**;

FHdyslexia\_halfsib = **0**;

if qrld6 = **1** then FHdyslexia\_mom = **1**;

if qrld6 = **2** then FHdyslexia\_dad = **1**;

if qrld6 = **3** then FHdyslexia\_fullsib = **1**;

if qrld6 = **4** then FHdyslexia\_halfsib = **1**;

if qrld6\_1 = **2** then FHdyslexia\_dad = **1**;

if qrld6\_1 = **3** then FHdyslexia\_fullsib = **1**;

if qrld6\_1 = **4** then FHdyslexia\_halfsib = **1**;

if qrld6\_2 = **3** then FHdyslexia\_fullsib = **1**;

if qrld6\_2 = **4** then FHdyslexia\_halfsib = **1**;

FHSLI\_mom = **0**;

FHSLI\_dad = **0**;

FHSLI\_fullsib = **0**;

FHSLI\_halfsib = **0**;

if qrld7 = **1** then FHSLI\_mom = **1**;

if qrld7 = **2** then FHSLI\_dad = **1**;

if qrld7 = **3** then FHSLI\_fullsib = **1**;

if qrld7 = **4** then FHSLI\_halfsib = **1**;

if qrld7\_1 = **2** then FHSLI\_dad = **1**;

if qrld7\_1 = **3** then FHSLI\_fullsib = **1**;

if qrld7\_1 = **4** then FHSLI\_halfsib = **1**;

if qrld7\_2 = **3** then FHSLI\_fullsib = **1**;

if qrld7\_2 = **4** then FHSLI\_halfsib = **1**;

FHASD\_mom = **0**;

FHASD\_dad = **0**;

FHASD\_fullsib = **0**;

FHASD\_halfsib = **0**;

if qrld8 = **1** then FHASD\_mom = **1**;

if qrld8 = **2** then FHASD\_dad = **1**;

if qrld8 = **3** then FHASD\_fullsib = **1**;

if qrld8 = **4** then FHASD\_halfsib = **1**;

if qrld8\_1 = **2** then FHASD\_dad = **1**;

if qrld8\_1 = **3** then FHASD\_fullsib = **1**;

if qrld8\_1 = **4** then FHASD\_halfsib = **1**;

if qrld8\_2 = **3** then FHASD\_fullsib = **1**;

if qrld8\_2 = **4** then FHASD\_halfsib = **1**;

FHADHD\_mom = **0**;

FHADHD\_dad = **0**;

FHADHD\_fullsib = **0**;

FHADHD\_halfsib = **0**;

if qrld9 = **1** then FHADHD\_mom = **1**;

if qrld9 = **2** then FHADHD\_dad = **1**;

if qrld9 = **3** then FHADHD\_fullsib = **1**;

if qrld9 = **4** then FHADHD\_halfsib = **1**;

if qrld9\_1 = **2** then FHADHD\_dad = **1**;

if qrld9\_1 = **3** then FHADHD\_fullsib = **1**;

if qrld9\_1 = **4** then FHADHD\_halfsib = **1**;

if qrld9\_2 = **3** then FHADHD\_fullsib = **1**;

if qrld9\_2 = **4** then FHADHD\_halfsib = **1**;

**run**;

**proc** **freq**; tables FHreading\_mom FHreading\_dad FHreading\_fullsib FHreading\_halfsib

FHspelling\_mom FHspelling\_dad FHspelling\_fullsib FHspelling\_halfsib

FHwriting\_mom FHwriting\_dad FHwriting\_fullsib FHwriting\_halfsib

FHmath\_mom FHmath\_dad FHmath\_fullsib FHmath\_halfsib

FHlanguage\_mom FHlanguage\_dad FHlanguage\_fullsib FHlanguage\_halfsib

FHdyslexia\_mom FHdyslexia\_dad FHdyslexia\_fullsib FHdyslexia\_halfsib

FHSLI\_mom FHSLI\_dad FHSLI\_fullsib FHSLI\_halfsib

FHASD\_mom FHASD\_dad FHASD\_fullsib FHASD\_halfsib

FHADHD\_mom FHADHD\_dad FHADHD\_fullsib FHADHD\_halfsib; **run**;

\*\*\*\*PArent ADHD\*\*\*\*;

**proc** **freq**; tables qadhd1-qadhd18; **run**;

**data** family4b; set family4a;

P\_ADHDnscreener = N(OF qadhd9 qadhd2 qadhd4 qadhd3 qadhd5 qadhd6);

P\_ADHDn18item = N(OF qadhd1-qadhd18);

P\_ADHDnIn = N(OF qadhd7 qadhd8 qadhd9 qadhd1 qadhd2 qadhd4 qadhd10 qadhd11 qadhd3);

P\_ADHDnHyp = N(OF qadhd5 qadhd12 qadhd13 qadhd14 qadhd6 qadhd15 qadhd16 qadhd17 qadhd18);

**run**;

**proc** **freq**; tables P\_ADHDnscreener P\_ADHDn18item P\_ADHDnIn P\_ADHDnHyp; **run**;

**data** family4c (drop=P\_ADHDnscreener P\_ADHDn18item P\_ADHDnIn P\_ADHDnHyp); set family4b;

if P\_ADHDnscreener = **6** then P\_ADHD\_screener = sum (of qadhd9 qadhd2 qadhd4 qadhd3 qadhd5 qadhd6);

if P\_ADHDn18item ge **17** then P\_ADHDfull18ADHD = sum (of qadhd1-qadhd18);

if P\_ADHDnIn ge **8** then P\_ADHD\_Inatt = sum (of qadhd7 qadhd8 qadhd9 qadhd1 qadhd2 qadhd4 qadhd10 qadhd11 qadhd3);

if P\_ADHDnHyp ge **8** then P\_ADHD\_Hyper = sum (of qadhd5 qadhd12 qadhd13 qadhd14 qadhd6 qadhd15 qadhd16 qadhd17 qadhd18);

label

P\_ADHD\_screener = 'ASRS Adult ADHD: 6 item screener'

P\_ADHDfull18ADHD = 'ASRS Adult ADHD: 18 item full ADHD'

P\_ADHD\_Inatt = 'ASRS Adult ADHD: 9 item Inattention'

P\_ADHD\_Hyper = 'ASRS Adult ADHD: 9 item Hyperactivity-Impulsivity'; **run**;

**proc** **corr**; var P\_ADHD\_screener P\_ADHDfull18ADHD P\_ADHD\_Inatt P\_ADHD\_Hyper; **run**;

\*\*CHAOS;

**proc** **freq**; tables hem13 hem14 hem15 hem16 hem17 hem18; **run**;

**data** family5; set family4c;

if hem13 = **1** then nhem13 = **5**;

if hem13 = **2** then nhem13 = **4**;

if hem13 = **4** then nhem13 = **2**;

if hem13 = **5** then nhem13 = **1**;

if hem13 = **3** then nhem13 = **3**;

if hem16 = **1** then nhem16 = **5**;

if hem16 = **2** then nhem16 = **4**;

if hem16 = **4** then nhem16 = **2**;

if hem16 = **5** then nhem16 = **1**;

if hem16 = **3** then nhem16 = **3**;

if hem18 = **1** then nhem18 = **5**;

if hem18 = **2** then nhem18 = **4**;

if hem18 = **4** then nhem18 = **2**;

if hem18 = **5** then nhem18 = **1**;

if hem18 = **3** then nhem18 = **3**;

**run**;

**data** family6; set family5;

TOTSUM3 = N(OF nhem13 hem14 hem15 nhem16 hem17 nhem18);

**run**;

**proc** **freq**; tables totsum3;**run**;

**data** family7 (drop = TOTSUM3); set family6;

if TOTSUM3 = **6** then P\_chaos = mean (of nhem13 hem14 hem15 nhem16 hem17 nhem18);

label

P\_chaos = 'CHAOS scale'; **run**;

**proc** **print**; var nhem13 hem13 hem14 hem15 nhem16 hem16 hem17 nhem18 hem18 P\_chaos; **run**;

\*\*\*\*\*\*\*\*\*\*parent on twin now\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*\*this is to recode all variables to systemmissing rather than -99s;

**data** all; set parentontwin;

array nvar(\*) \_numeric\_;

do i= **1** to dim(nvar);

if nvar(i) in(-**98**, -**99**, -**9**, -**35**) then nvar(i)= **.**;

end;

**run**;

**proc** **print** data=parentontwin; where fid=**.**; **run**;

\*\*\*for unscaled variables\*\*\*\*\*\*\*come back to these, they are not all in the data;

**proc** **freq**; tables hem\_40 qhem\_41 hem\_45\_2 qhem\_30 qhem\_47 hem\_17a hem\_31 qhem\_32; **run**;

\*\*\*twin-level HLE\*\*\*\*\*\*\*\*no longer have in wave 2, as don't have all the variables anymore;

**proc** **freq**; tables hem\_37a hem\_37b hem\_37c; **run**;

/\* this was for checking odd values (10/16). All were left

ods pdf file="C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\tvchecks.pdf";

proc print data=all; var hem\_37a tid fid; where hem\_37a ge 7; run;

ods pdf close; \*/

\*\*\*homework problems checklist;

**proc** **freq**; tables qhpc\_1-qhpc\_19; **run**;

**data** all2; set all;

missingHWFI = n (of qhpc\_5 qhpc\_6 qhpc\_7 qhpc\_8 qhpc\_9 qhpc\_10 qhpc\_11 qhpc\_12 qhpc\_14 qhpc\_15 qhpc\_16 qhpc\_17);

missingHWFII = n (of qhpc\_1 qhpc\_2 qhpc\_3 qhpc\_4 qhpc\_13 qhpc\_18 qhpc\_19);

missingHWall= n (of qhpc\_1-qhpc\_19);

**run**;

**proc** **freq**; tables missingHWFI missingHWFII missingHWall; **run**;

**data** all3 (drop=missingHWFI missingHWFII missingHWall); set all2;

HWproblems\_total = **.**;

HW\_FI = **.**;

HW\_FII = **.**;

if missingHWFI ge **11** then HW\_FI = sum (of qhpc\_5 qhpc\_6 qhpc\_7 qhpc\_8 qhpc\_9 qhpc\_10 qhpc\_11 qhpc\_12 qhpc\_14 qhpc\_15 qhpc\_16 qhpc\_17);

if missingHWFII = **7** then HW\_FII = sum (of qhpc\_1 qhpc\_2 qhpc\_3 qhpc\_4 qhpc\_13 qhpc\_18 qhpc\_19);

if missingHWall ge **17** then HWproblems\_total = sum (of qhpc\_1-qhpc\_19);

label

HWproblems\_total = 'HW problems total sum score - \*note, Langberg et al 2010 uses factor scores, and has one other item'

HW\_FI = 'HW problems sum Factor I: problems related to hw completion - \*note, Langberg et al 2010 uses factor scores'

HW\_FII = 'HW problems sum Factor II: problems outside of to hw completion time- \*note, Langberg et al 2010 uses factor scores';

**run**;

**proc** **print**; var qhpc\_1-qhpc\_19 HWproblems\_total HW\_FI HW\_FII; **run**;

\*\*grades;

**proc** **freq**; tables grd\_elar grd\_ss grd\_m grd\_sc qfsa\_1-qfsa\_4 qcrtgrd; **run**;

\*\*information sharing;

**proc** **freq**; tables is\_1-is\_5; **run**;

**data** all6; set all3;

nis\_3 = **.**;

nis\_4 = **.**;

if is\_3 = **1** then nis\_3 = **5**;

if is\_3 = **2** then nis\_3 = **4**;

if is\_3 = **4** then nis\_3 = **2**;

if is\_3 = **5** then nis\_3 = **1**;

if is\_3 = **3** then nis\_3 = **3**;

if is\_4 = **1** then nis\_4 = **5**;

if is\_4 = **2** then nis\_4 = **4**;

if is\_4 = **4** then nis\_4 = **2**;

if is\_4 = **5** then nis\_4 = **1**;

if is\_4 = **3** then nis\_4 = **3**;

missingis = n (of is\_1 is\_2 nis\_3 nis\_4 is\_5);

missingis\_s = n (of is\_1 is\_2 is\_5);

missingis\_h = n (of nis\_3 nis\_4);

**run**;

**proc** **freq**; tables missingis missingis\_s missingis\_h; **run**;

**data** all7 (drop=missingis missingis\_s missingis\_h); set all6;

P\_info\_sharing\_total = **.**;

P\_info\_sharing\_shares = **.**;

P\_info\_sharing\_hides = **.**;

if missingis = **5** then P\_info\_sharing\_total = sum (of is\_1 is\_2 nis\_3 nis\_4 is\_5);

if missingis\_s = **3** then P\_info\_sharing\_shares = sum (of is\_1 is\_2 is\_5);

if missingis\_h = **2** then P\_info\_sharing\_hides = sum (of nis\_3 nis\_4);

label

P\_info\_sharing\_total = 'Information sharing total sum score'

P\_info\_sharing\_shares = 'Information sharing shares subscale sum score \*\*factor structure unconfirmed\*\*'

P\_info\_sharing\_hides = 'Information sharing hides subscale sum score \*\*factor structure unconfirmed\*\*';

**run**;

**proc** **print**; var is\_1 is\_2 nis\_3 nis\_4 is\_5 P\_info\_sharing\_total P\_info\_sharing\_shares P\_info\_sharing\_hides; **run**;

\*\*\*\*\*\*\*\*\*\*\*\*\*DWECK\*\*\*\*\*\*\*\*\*\*;

**proc** **freq**; tables dweck\_1 dweck\_2 dweck\_3 dweck\_4 dweck\_5 dweck\_6 dweck\_7 dweck\_8; **run**;

**data** all8; set all7;

array rr3ecold {\*} dweck\_3 dweck\_5 dweck\_7 dweck\_8 ;

array rr3ecnew {\*} ndweck\_3 ndweck\_5 ndweck\_7 ndweck\_8 ;

do J=**1** to dim(rr3ecold);

if rr3ecold{J} = **1** then rr3ecnew{J} = **6**;

if rr3ecold{J} = **2** then rr3ecnew{J} = **5**;

if rr3ecold{J} = **3** then rr3ecnew{J} = **4**;

if rr3ecold{J} = **4** then rr3ecnew{J} = **3**;

if rr3ecold{J} = **5** then rr3ecnew{J} = **2**;

if rr3ecold{J} = **6** then rr3ecnew{J} = **1**;

end;

missingDWECKtotal = n (of dweck\_1 dweck\_2 ndweck\_3 dweck\_4 ndweck\_5 dweck\_6 ndweck\_7 ndweck\_8);

missingDWECKentity = n (of dweck\_1 dweck\_2 dweck\_4 dweck\_6);

missingDWECKincremental = n (of dweck\_3 dweck\_5 dweck\_7 dweck\_8);

**run**;

**proc** **freq** data=all8; tables missingDWECKtotal missingDWECKentity missingDWECKincremental; **run**;

**data** all9 (drop= missingDWECKtotal missingDWECKentity missingDWECKincremental) ; set all8;

if missingDWECKtotal ge **7** then P\_DWECKtotal = sum (of dweck\_1 dweck\_2 ndweck\_3 dweck\_4 ndweck\_5 dweck\_6 ndweck\_7 ndweck\_8);

if missingDWECKentity = **4** then P\_DWECKentity = sum (of dweck\_1 dweck\_2 dweck\_4 dweck\_6);

if missingDWECKincremental = **4** then P\_DWECKincremental = sum (of dweck\_3 dweck\_5 dweck\_7 dweck\_8);

label

P\_DWECKtotal = 'Parent rated DWECK total sum score'

P\_DWECKentity = 'Parent rated DWECK entity belief sum score'

P\_DWECKincremental = 'Parent rated DWECK incremental belief sum score';

**run**;

**proc** **means** ; var P\_DWECKtotal P\_DWECKentity P\_DWECKincremental; **run**;

\*\*PANAS;

**proc** **means** data=all9; var panas\_1-panas\_20; **run**;

\*missing data;

**data** all10; set all9;

missingPA = n (of panas\_1 panas\_3 panas\_5 panas\_9 panas\_10 panas\_12 panas\_14 panas\_16 panas\_17 panas\_19 );

missingNA = n (of panas\_2 panas\_4 panas\_6 panas\_7 panas\_8 panas\_11 panas\_13 panas\_15 panas\_18 panas\_20);

**run**;

**proc** **freq** data=all10; tables missingPA missingNA ; **run**;

**data** all11 (drop = missingPA missingNA ) ; set all10;

if missingPA ge **9** then P\_panas\_PA = mean (of panas\_1 panas\_3 panas\_5 panas\_9 panas\_10 panas\_12 panas\_14 panas\_16 panas\_17 panas\_19 );

if missingNA ge **9** then P\_panas\_NA = mean (of panas\_2 panas\_4 panas\_6 panas\_7 panas\_8 panas\_11 panas\_13 panas\_15 panas\_18 panas\_20);

label

P\_panas\_PA = 'PANAS Positive Affect Parent rate twin mean score'

P\_panas\_NA = 'PANAS Negative Affect Parent rate twin mean score';

**run**;

**proc** **means**; var P\_panas\_PA P\_panas\_NA ; **run**;

\*\*SWAN;

**proc** **means**; var swan\_1 swan\_2 swan\_3 swan\_4 swan\_5 swan\_6 swan\_7 swan\_8 swan\_9 swan\_10 swan\_11 swan\_12 swan\_13 swan\_14 swan\_15 swan\_16 swan\_17 swan\_18; **run**;

**data** all15; set all11;

totat = n(of swan\_1 swan\_2 swan\_3 swan\_4 swan\_5 swan\_6 swan\_7 swan\_8 swan\_9);

totimp1 = n(of swan\_10 swan\_11 swan\_12 swan\_13 swan\_14 swan\_15 swan\_16 swan\_17 swan\_18);

**run**;

**proc** **freq**; tables totat totimp1 ; **run**;

**data** all16 (drop = totat totimp1 ); set all15;

if totat ge **8** then P\_swan\_att = mean (of swan\_1 swan\_2 swan\_3 swan\_4 swan\_5 swan\_6 swan\_7 swan\_8 swan\_9);

if totimp1 ge **8** then P\_swan\_hyper = mean (of swan\_10 swan\_11 swan\_12 swan\_13 swan\_14 swan\_15 swan\_16 swan\_17 swan\_18);

label

P\_swan\_att = 'SWAN ADHD-In mean score (ques 1-9) parent on twin'

P\_swan\_hyper = 'SWAN ADHD-H/Im mean score (ques 10-18) parent on twin'; **run**;

**proc** **means**; var P\_swan\_att P\_swan\_hyper ; **run**;

\*\*CADS\*\*\*\*;

**proc** **means** data=all16; var cads\_1-cads\_57 ; **run**;

**data** try17; set all16;

array rr3ecold {\*} cads\_44 ;

array rr3ecnew {\*} ncads\_44 ;

do J=**1** to dim(rr3ecold);

if rr3ecold{J} = **1** then rr3ecnew{J} = **4**;

if rr3ecold{J} = **2** then rr3ecnew{J} = **3**;

if rr3ecold{J} = **3** then rr3ecnew{J} = **2**;

if rr3ecold{J} = **4** then rr3ecnew{J} = **1**;

end;

missingdis = n (of cads\_42 cads\_19 cads\_4 cads\_34 cads\_37 cads\_21 cads\_17 cads\_43);

missingresp = n (of cads\_48 cads\_41 cads\_7 cads\_5);

missingneg = n (of cads\_28 cads\_36 cads\_49 cads\_46 cads\_47 cads\_30 cads\_23 cads\_20 ncads\_44);

missingpro = n (of cads\_42 cads\_19 cads\_4 cads\_34 cads\_37 cads\_21 cads\_17 cads\_43 cads\_48 cads\_41 cads\_7 cads\_5);

missingdar = n (of cads\_3 cads\_9 cads\_6 cads\_11 cads\_50);

missingpos = n (of cads\_51-cads\_57);

**run**;

**proc** **freq** data=try17; tables missingdis missingresp missingneg missingpro missingdar missingpos ; **run**;

**data** try18 (drop= missingdis missingresp missingneg missingpro missingdar missingpos) ; set try17;

if missingdis ge **7** then P\_cads\_dis = mean (of cads\_42 cads\_19 cads\_4 cads\_34 cads\_37 cads\_21 cads\_17 cads\_43);

if missingresp = **4** then P\_cads\_resp = mean (of cads\_48 cads\_41 cads\_7 cads\_5);

if missingneg ge **8** then P\_cads\_neg = mean(of cads\_28 cads\_36 cads\_49 cads\_46 cads\_47 cads\_30 cads\_23 cads\_20 ncads\_44);

if missingpro ge **11** then P\_cads\_pro = mean(of cads\_42 cads\_19 cads\_4 cads\_34 cads\_37 cads\_21 cads\_17 cads\_43 cads\_48 cads\_41 cads\_7 cads\_5);

if missingdar = **5** then P\_cads\_dar = mean(of cads\_3 cads\_9 cads\_6 cads\_11 cads\_50);

if missingpos ge **6** then P\_cads\_pos = mean(of cads\_51-cads\_57);

label

P\_cads\_dis = 'CADS-Dispositional Sympathy Facet mean score'

P\_cads\_resp = 'CADS-Respect for Rules mean score'

P\_cads\_neg = 'CADS-Negative Emotionality Dimension mean score'

P\_cads\_pro = 'CADS-Prosociality Dimension mean score '

P\_cads\_dar = 'CADS-Daring Dimension mean score'

P\_cads\_pos = 'CADS-Positive Emotionality Dimension mean score \*note, not validated in original pub\* ';

**run**;

**proc** **means**; var P\_cads\_dis P\_cads\_resp P\_cads\_neg P\_cads\_pro P\_cads\_dar P\_cads\_pos; **run**;

**proc** **corr**; var P\_cads\_dis P\_cads\_resp P\_cads\_neg P\_cads\_pro P\_cads\_dar P\_cads\_pos; **run**;

\*\*DBD\*\*\*\*\*;

**proc** **means**; var pdbd\_1-pdbd\_45; **run**;

**data** try19 (drop = count\_9 count\_18 count\_23 count\_27 count\_29 count\_34 count\_37 count\_42 count\_44 missingdbdatt); set try18;

if pdbd\_9 = **3** or pdbd\_9 = **4** then count\_9 = **1**;

if pdbd\_9 = **2** or pdbd\_9 = **1** then count\_9 = **0**;

if pdbd\_18 = **3** or pdbd\_18 = **4** then count\_18 = **1**;

if pdbd\_18 = **2** or pdbd\_18 = **1** then count\_18 = **0**;

if pdbd\_23 = **3** or pdbd\_23 = **4** then count\_23 = **1**;

if pdbd\_23 = **2** or pdbd\_23 = **1** then count\_23 = **0**;

if pdbd\_27 = **3** or pdbd\_27 = **4** then count\_27 = **1**;

if pdbd\_27 = **2** or pdbd\_27 = **1** then count\_27 = **0**;

if pdbd\_29 = **3** or pdbd\_29 = **4** then count\_29 = **1**;

if pdbd\_29 = **2** or pdbd\_29 = **1** then count\_29 = **0**;

if pdbd\_34 = **3** or pdbd\_34 = **4** then count\_34 = **1**;

if pdbd\_34 = **2** or pdbd\_34 = **1** then count\_34 = **0**;

if pdbd\_37 = **3** or pdbd\_37 = **4** then count\_37 = **1**;

if pdbd\_37 = **2** or pdbd\_37 = **1** then count\_37 = **0**;

if pdbd\_42 = **3** or pdbd\_42 = **4** then count\_42 = **1**;

if pdbd\_42 = **2** or pdbd\_42 = **1** then count\_42 = **0**;

if pdbd\_44 = **3** or pdbd\_44 = **4** then count\_44 = **1**;

if pdbd\_44 = **2** or pdbd\_44 = **1** then count\_44 = **0**;

missingdbdatt = n (of count\_9 count\_18 count\_23 count\_27 count\_29 count\_34 count\_37 count\_42 count\_44);

if missingdbdatt ge **8** then P\_DBDcount\_att = sum (of count\_9 count\_18 count\_23 count\_27 count\_29 count\_34 count\_37 count\_42 count\_44);

**run**;

**proc** **print**; var P\_DBDcount\_att /\*count\_9 count\_18 count\_23 count\_27 count\_29 count\_34 count\_37 count\_42 count\_44\*/; **run**;

**data** try20; set try19;

if P\_DBDcount\_att ge **6** then P\_DBD\_Att = **1**;

if P\_DBDcount\_att < **6** then P\_DBD\_Att = **0**;

if P\_DBDcount\_att = **.** then P\_DBD\_Att = **.**;

label

P\_DBDcount\_att = 'DBD- ADHD Inattention Symptom Count'

P\_DBD\_Att = 'DBD ADHD Inattention Diagnosis'; **run**;

**proc** **print**; var P\_DBD\_Att P\_DBDcount\_att; **run**;

**data** try21 (drop = count\_1 count\_7 count\_12 count\_19 count\_22 count\_25 count\_30 count\_33 count\_35 missingdbdhyp); set try20;

if pdbd\_1 = **3** or pdbd\_1 = **4** then count\_1 = **1**;

if pdbd\_1 = **2** or pdbd\_1 = **1** then count\_1 = **0**;

if pdbd\_7 = **3** or pdbd\_7 = **4** then count\_7 = **1**;

if pdbd\_7 = **2** or pdbd\_7 = **1** then count\_7 = **0**;

if pdbd\_12 = **3** or pdbd\_12 = **4** then count\_12 = **1**;

if pdbd\_12 = **2** or pdbd\_12 = **1** then count\_12 = **0**;

if pdbd\_19 = **3** or pdbd\_19 = **4** then count\_19 = **1**;

if pdbd\_19 = **2** or pdbd\_19 = **1** then count\_19 = **0**;

if pdbd\_22 = **3** or pdbd\_22 = **4** then count\_22 = **1**;

if pdbd\_22 = **2** or pdbd\_22 = **1** then count\_22 = **0**;

if pdbd\_25 = **3** or pdbd\_25 = **4** then count\_25 = **1**;

if pdbd\_25 = **2** or pdbd\_25 = **1** then count\_25 = **0**;

if pdbd\_30 = **3** or pdbd\_30 = **4** then count\_30 = **1**;

if pdbd\_30 = **2** or pdbd\_30 = **1** then count\_30 = **0**;

if pdbd\_33 = **3** or pdbd\_33 = **4** then count\_33 = **1**;

if pdbd\_33 = **2** or pdbd\_33 = **1** then count\_33 = **0**;

if pdbd\_35 = **3** or pdbd\_35 = **4** then count\_35 = **1**;

if pdbd\_35 = **2** or pdbd\_35 = **1** then count\_35 = **0**;

missingdbdhyp= n (of count\_1 count\_7 count\_12 count\_19 count\_22 count\_25 count\_30 count\_33 count\_35);

if missingdbdhyp ge **8** then P\_DBDcount\_hyp = sum (of count\_1 count\_7 count\_12 count\_19 count\_22 count\_25 count\_30 count\_33 count\_35);

**run**;

**proc** **freq**; tables P\_DBDcount\_hyp ; **run**;

**data** try22; set try21;

if P\_DBDcount\_hyp ge **6** then P\_DBD\_hyp = **1**;

if P\_DBDcount\_hyp < **6** then P\_DBD\_hyp = **0**;

if P\_DBDcount\_hyp = **.** then P\_DBD\_hyp = **.**;

label

P\_DBDcount\_hyp = 'DBD ADHD Impulsivity/Overactivity Symptom Count '

P\_DBD\_hyp = 'DBD ADHD Impulsivity/Overactivity Diagnosis'; **run**;

**proc** **print**; var P\_DBDcount\_hyp P\_DBD\_hyp; **run**;

**data** try23; set try22;

P\_DBDcount\_total = P\_DBDcount\_hyp + P\_DBDcount\_att;

label

P\_DBDcount\_total = 'DBD ADHD Total Symptom Count'; **run**;

**proc** **means**; var P\_DBDcount\_total P\_DBD\_hyp; **run**;

**proc** **print**; var P\_DBDcount\_hyp P\_DBDcount\_att P\_DBDcount\_total; **run**;

**data** try24; set try23;

if P\_DBD\_hyp =**1** then if P\_DBD\_att = **1** then P\_DBD\_comb = **1**;

if P\_DBD\_hyp =**0** then if P\_DBD\_att = **0** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**0** then if P\_DBD\_att = **.** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**.** then if P\_DBD\_att = **0** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**0** then if P\_DBD\_att = **1** then P\_DBD\_comb = **0**;

if P\_DBD\_hyp =**1** then if P\_DBD\_att = **0** then P\_DBD\_comb = **0**;

label

P\_DBD\_comb = 'DBD ADHD Combined Type Diagnosis' ; **run**;

**proc** **print**; var P\_DBD\_hyp P\_DBD\_att P\_DBD\_comb; **run**;

**data** try25 (drop = count\_3 count\_13 count\_15 count\_17 count\_24 count\_26 count\_28 count\_39 missingdbdodd); set try24;

if pdbd\_3 = **3** or pdbd\_3 = **4** then count\_3 = **1**;

if pdbd\_3 = **2** or pdbd\_3 = **1** then count\_3 = **0**;

if pdbd\_13 = **3** or pdbd\_13 = **4** then count\_13 = **1**;

if pdbd\_13 = **2** or pdbd\_13 = **1** then count\_13 = **0**;

if pdbd\_15 = **3** or pdbd\_15 = **4** then count\_15 = **1**;

if pdbd\_15 = **2** or pdbd\_15 = **1** then count\_15 = **0**;

if pdbd\_17 = **3** or pdbd\_17 = **4** then count\_17 = **1**;

if pdbd\_17 = **2** or pdbd\_17 = **1** then count\_17 = **0**;

if pdbd\_24 = **3** or pdbd\_24 = **4** then count\_24 = **1**;

if pdbd\_24 = **2** or pdbd\_24 = **1** then count\_24 = **0**;

if pdbd\_26 = **3** or pdbd\_26 = **4** then count\_26 = **1**;

if pdbd\_26 = **2** or pdbd\_26 = **1** then count\_26 = **0**;

if pdbd\_28 = **3** or pdbd\_28 = **4** then count\_28 = **1**;

if pdbd\_28 = **2** or pdbd\_28 = **1** then count\_28 = **0**;

if pdbd\_39 = **3** or pdbd\_39 = **4** then count\_39 = **1**;

if pdbd\_39 = **2** or pdbd\_39 = **1** then count\_39 = **0**;

missingdbdodd= n (of count\_3 count\_13 count\_15 count\_17 count\_24 count\_26 count\_28 count\_39);

if missingdbdodd ge **7** then P\_DBDcount\_odd = sum (of count\_3 count\_13 count\_15 count\_17 count\_24 count\_26 count\_28 count\_39 );

**run**;

**proc** **freq**; tables P\_DBDcount\_odd ; **run**;

**data** try26; set try25;

if P\_DBDcount\_odd ge **4** then P\_DBD\_odd = **1**;

if P\_DBDcount\_odd < **4** then P\_DBD\_odd = **0**;

if P\_DBDcount\_odd = **.** then P\_DBD\_odd = **.**;

label

P\_DBDcount\_odd = 'DBD ODD Symptom Count'

P\_DBD\_odd = 'DBD ODD Diagnosis ';

**run**;

**proc** **print**; var P\_DBDcount\_odd P\_DBD\_odd ; **run**;

**data** try27 (drop = count\_6 count\_20 count\_31 count\_32 count\_36 count\_40 count\_45 missingdbdcd\_agg); set try26;

if pdbd\_6 = **3** or pdbd\_6 = **4** then count\_6 = **1**;

if pdbd\_6 = **2** or pdbd\_6 = **1** then count\_6 = **0**;

if pdbd\_20 = **3** or pdbd\_20 = **4** then count\_20 = **1**;

if pdbd\_20 = **2** or pdbd\_20 = **1** then count\_20 = **0**;

if pdbd\_31 = **3** or pdbd\_31 = **4** then count\_31 = **1**;

if pdbd\_31 = **2** or pdbd\_31 = **1** then count\_31 = **0**;

if pdbd\_32 = **3** or pdbd\_32 = **4** then count\_32 = **1**;

if pdbd\_32 = **2** or pdbd\_32 = **1** then count\_32 = **0**;

if pdbd\_36 = **3** or pdbd\_36 = **4** then count\_36 = **1**;

if pdbd\_36 = **2** or pdbd\_36 = **1** then count\_36 = **0**;

if pdbd\_40 = **3** or pdbd\_40 = **4** then count\_40 = **1**;

if pdbd\_40 = **2** or pdbd\_40 = **1** then count\_40 = **0**;

if pdbd\_45 = **3** or pdbd\_45 = **4** then count\_45 = **1**;

if pdbd\_45 = **2** or pdbd\_45 = **1** then count\_45 = **0**;

missingdbdcd\_agg= n (of count\_6 count\_20 count\_31 count\_32 count\_36 count\_40 count\_45);

if missingdbdcd\_agg = **7** then P\_DBDcount\_cd\_agg = sum (of count\_6 count\_20 count\_31 count\_32 count\_36 count\_40 count\_45 );

Label

P\_DBDcount\_cd\_agg = 'DBD CD-Aggression to ppl or animals Symptom Count '; **run**;

**proc** **freq**; tables P\_DBDcount\_cd\_agg ; **run**;

**data** try28 (drop = count\_16 count\_41 missingdbdcd\_prop); set try27;

if pdbd\_16 = **3** or pdbd\_16 = **4** then count\_16 = **1**;

if pdbd\_16 = **2** or pdbd\_16 = **1** then count\_16 = **0**;

if pdbd\_41 = **3** or pdbd\_41 = **4** then count\_41 = **1**;

if pdbd\_41 = **2** or pdbd\_41 = **1** then count\_41 = **0**;

missingdbdcd\_prop= n (of count\_16 count\_41);

if missingdbdcd\_prop = **2** then P\_DBDcount\_cd\_prop = sum (of count\_16 count\_41);

Label

P\_DBDcount\_cd\_prop = 'DBD CD-Destruction of Property Symptom Count'; **run**;

**proc** **freq**; tables P\_DBDcount\_cd\_prop ; **run**;

**data** try29 (drop = count\_4 count\_8 count\_43 missingdbdcd\_deceit); set try28;

if pdbd\_4 = **3** or pdbd\_4 = **4** then count\_4 = **1**;

if pdbd\_4 = **2** or pdbd\_4 = **1** then count\_4 = **0**;

if pdbd\_8 = **3** or pdbd\_8 = **4** then count\_8 = **1**;

if pdbd\_8 = **2** or pdbd\_8 = **1** then count\_8 = **0**;

if pdbd\_43 = **3** or pdbd\_43 = **4** then count\_43 = **1**;

if pdbd\_43 = **2** or pdbd\_43 = **1** then count\_43 = **0**;

missingdbdcd\_deceit= n (of count\_4 count\_8 count\_43);

if missingdbdcd\_deceit = **3** then P\_DBDcount\_cd\_deceit = sum (of count\_4 count\_8 count\_43);

Label

P\_DBDcount\_cd\_deceit = 'DBD CD-Deceitfulness or theft Symptom Count'; **run**;

**proc** **freq**; tables P\_DBDcount\_cd\_deceit; **run**;

**data** try30 (drop = count\_2 count\_11 count\_38 missingdbdcd\_rules); set try29;

if pdbd\_2 = **3** or pdbd\_2 = **4** then count\_2 = **1**;

if pdbd\_2 = **2** or pdbd\_2 = **1** then count\_2 = **0**;

if pdbd\_11 = **3** or pdbd\_11 = **4** then count\_11 = **1**;

if pdbd\_11 = **2** or pdbd\_11 = **1** then count\_11 = **0**;

if pdbd\_38 = **3** or pdbd\_38 = **4** then count\_38 = **1**;

if pdbd\_38 = **2** or pdbd\_38 = **1** then count\_38 = **0**;

missingdbdcd\_rules= n (of count\_2 count\_11 count\_38);

if missingdbdcd\_rules = **3** then P\_DBDcount\_cd\_rules = sum (of count\_2 count\_11 count\_38);

Label

P\_DBDcount\_cd\_rules = 'DBD CD-Serious Violation of Rules Symptom Count'; **run**;

**proc** **freq**; tables P\_DBDcount\_cd\_rules ; **run**;

**data** try31; set try30 ;

totalCD = sum (of P\_DBDcount\_cd\_rules P\_DBDcount\_cd\_deceit P\_DBDcount\_cd\_prop P\_DBDcount\_cd\_agg );

if totalCD ge **3** then P\_DBD\_CD\_DSM4 = **1**;

if totalCD < **3** then P\_DBD\_CD\_DSM4 = **0**;

if totalCD = **.** then P\_DBD\_CD\_DSM4 = **.**;

label

P\_DBD\_CD\_DSM4 = 'DBD CD Diagnosis DSM 4'

totalCD = 'DBD CD Symptom Count DSM 4';

**run**;

**proc** **freq** data=try31; tables totalCD; **run**;

**data** try32 (drop=J missingdbd\_cdfactor missingdbd\_hyp missingdbd\_att missingdbd\_odd); set try31;

array rr3ecold {\*} pdbd\_1-pdbd\_45 ;

array rr3ecnew {\*} npdbd\_1-npdbd\_45 ;

do J=**1** to dim(rr3ecold);

if rr3ecold{J} = **1** then rr3ecnew{J} = **0**;

if rr3ecold{J} = **2** then rr3ecnew{J} = **1**;

if rr3ecold{J} = **3** then rr3ecnew{J} = **2**;

if rr3ecold{J} = **4** then rr3ecnew{J} = **3**;

end;

missingdbd\_odd= n (of npdbd\_3 npdbd\_13 npdbd\_15 npdbd\_17 npdbd\_24 npdbd\_26 npdbd\_28 npdbd\_39);

missingdbd\_att= n (of npdbd\_9 npdbd\_18 npdbd\_23 npdbd\_27 npdbd\_29 npdbd\_34 npdbd\_37 npdbd\_42 npdbd\_44);

missingdbd\_hyp= n (of npdbd\_1 npdbd\_7 npdbd\_12 npdbd\_19 npdbd\_22 npdbd\_25 npdbd\_30 npdbd\_33 npdbd\_35);

missingdbd\_cdfactor= n (of npdbd\_6 npdbd\_20 npdbd\_31 npdbd\_32 npdbd\_36 npdbd\_40 npdbd\_45 npdbd\_16 npdbd\_41 npdbd\_4 npdbd\_8 npdbd\_43 npdbd\_2 npdbd\_11 npdbd\_38);

if missingdbd\_odd ge **7** then P\_DBDfactor\_ODD = mean (of npdbd\_3 npdbd\_13 npdbd\_15 npdbd\_17 npdbd\_24 npdbd\_26 npdbd\_28 npdbd\_39);

if missingdbd\_att ge **8** then P\_DBDfactor\_Att = mean (of npdbd\_9 npdbd\_18 npdbd\_23 npdbd\_27 npdbd\_29 npdbd\_34 npdbd\_37 npdbd\_42 npdbd\_44);

if missingdbd\_hyp ge **8** then P\_DBDfactor\_Hyp = mean (of npdbd\_1 npdbd\_7 npdbd\_12 npdbd\_19 npdbd\_22 npdbd\_25 npdbd\_30 npdbd\_33 npdbd\_35);

if missingdbd\_cdfactor ge **14** then P\_DBDfactor\_CD = mean (of npdbd\_6 npdbd\_20 npdbd\_31 npdbd\_32 npdbd\_36 npdbd\_40 npdbd\_45 npdbd\_16 npdbd\_41 npdbd\_4 npdbd\_8 npdbd\_43 npdbd\_2 npdbd\_11 npdbd\_38);

label

P\_DBDfactor\_ODD = 'DBD ODD factor score (total mean score)'

P\_DBDfactor\_att = 'DBD ADHD Inattention factor score (total mean score)'

P\_DBDfactor\_hyp = 'DBD ADHD Impulsivity/Overactivity factor score(total mean score)'

P\_DBDfactor\_CD = 'DBD CD factor score (total mean score)';

**run**;

**proc** **means**; var P\_DBDfactor\_ODD P\_DBDfactor\_att P\_DBDfactor\_hyp P\_DBDfactor\_CD; **run**;

\*\*BRIEF\*\*\*\*\*\*\*\*\*\*\*\*\*;

\*there are some crazy scoring guidelines for this...I'm using Lisa's fancy code to do this now;

**proc** **means**; var brief\_1-brief\_86; **run**;

**%macro** BRFillMsg(v);

\_n&v. = &v.;

if \_n&v. = **.** then \_n&v. = **1**;

**%mend** BRFillMsg;

**data** try33; set try32;

/\* Here I check to be sure there are enough items answered before I do any calculations. If not, then all calc is skipped but raw values remain as answered \*/

\_BRTotalN = N(of brief\_1-brief\_72);

if \_BRTotalN >= **58** then do;

/\* basically here I check each scale to see if there are at least enough items answered to be within 2 of the N expected.

If not, then scaling for that scale is skipped.

If so, then I fill the missings with 1’s using my macro while creating temp vars used in the calc.

Either way, raw values are left as-is \*/

\*Inhibit;

\_BRIHN = N(of brief\_38 brief\_41 brief\_43 brief\_44 brief\_49 brief\_54 brief\_55 brief\_56 brief\_59 brief\_65);

if \_BRIHN >= **8** then do;

%***BRFillMsg***(brief\_38); %***BRFillMsg***(brief\_41); %***BRFillMsg***(brief\_43);

%***BRFillMsg***(brief\_44); %***BRFillMsg***(brief\_49);

%***BRFillMsg***(brief\_54); %***BRFillMsg***(brief\_55); %***BRFillMsg***(brief\_56);

%***BRFillMsg***(brief\_59 ); %***BRFillMsg***(brief\_65);

P\_BRIEF\_Inhib = sum(of \_nbrief\_38 \_nbrief\_41 \_nbrief\_43 \_nbrief\_44 \_nbrief\_49 \_nbrief\_54 \_nbrief\_55 \_nbrief\_56 \_nbrief\_59 \_nbrief\_65);

end;

\*Shift;

\_BRSHN = N(of brief\_5 brief\_6 brief\_8 brief\_12 brief\_13 brief\_23 brief\_30 brief\_39);

if \_BRSHN >= **6** then do;

%***BRFillMsg***(brief\_5); %***BRFillMsg***(brief\_6); %***BRFillMsg***(brief\_8); %***BRFillMsg***(brief\_12);

%***BRFillMsg***(brief\_13); %***BRFillMsg***(brief\_23); %***BRFillMsg***(brief\_30); %***BRFillMsg***(brief\_39);

P\_BRIEF\_shift = sum(of \_nbrief\_5 \_nbrief\_6 \_nbrief\_8 \_nbrief\_12 \_nbrief\_13 \_nbrief\_23 \_nbrief\_30 \_nbrief\_39);

end;

\*Emotional Control;

\_BRECN = N(of brief\_1 brief\_7 brief\_20 brief\_25 brief\_26 brief\_45 brief\_50 brief\_62 brief\_64 brief\_70);

if \_BRECN >= **8** then do;

%***BRFillMsg***(brief\_1); %***BRFillMsg***(brief\_7); %***BRFillMsg***(brief\_20); %***BRFillMsg***(brief\_25); %***BRFillMsg***(brief\_26);

%***BRFillMsg***(brief\_45); %***BRFillMsg***(brief\_50); %***BRFillMsg***(brief\_62); %***BRFillMsg***(brief\_64); %***BRFillMsg***(brief\_70);

P\_BRIEF\_emo = sum(of \_nbrief\_1 \_nbrief\_7 \_nbrief\_20 \_nbrief\_25 \_nbrief\_26 \_nbrief\_45 \_nbrief\_50 \_nbrief\_62 \_nbrief\_64 \_nbrief\_70);

end;

\*Initiate;

\_BRITN = N(of brief\_3 brief\_10 brief\_16 brief\_47 brief\_48 brief\_61 brief\_66 brief\_71);

if \_BRITN >= **6** then do;

%***BRFillMsg***(brief\_3); %***BRFillMsg***(brief\_10); %***BRFillMsg***(brief\_16); %***BRFillMsg***(brief\_47);

%***BRFillMsg***(brief\_48); %***BRFillMsg***(brief\_61); %***BRFillMsg***(brief\_66); %***BRFillMsg***(brief\_71);

P\_BRIEF\_initiate = sum(of \_nbrief\_3 \_nbrief\_10 \_nbrief\_16 \_nbrief\_47 \_nbrief\_48 \_nbrief\_61 \_nbrief\_66 \_nbrief\_71);

end;

\*Working Memory;

\_BRWMN = N(of brief\_2 brief\_9 brief\_17 brief\_19 brief\_24 brief\_27 brief\_32 brief\_33 brief\_37 brief\_57);

if \_BRWMN >= **8** then do;

%***BRFillMsg***(brief\_2); %***BRFillMsg***(brief\_9); %***BRFillMsg***(brief\_17); %***BRFillMsg***(brief\_19); %***BRFillMsg***(brief\_24);

%***BRFillMsg***(brief\_27); %***BRFillMsg***(brief\_32); %***BRFillMsg***(brief\_33); %***BRFillMsg***(brief\_37); %***BRFillMsg***(brief\_57);

P\_BRIEF\_wm = sum(of \_nbrief\_2 \_nbrief\_9 \_nbrief\_17 \_nbrief\_19 \_nbrief\_24 \_nbrief\_27 \_nbrief\_32 \_nbrief\_33 \_nbrief\_37 \_nbrief\_57);

end;

\*Plan/Organize;

\_BRPON = N(of brief\_11 brief\_15 brief\_18 brief\_22 brief\_28 brief\_35 brief\_36 brief\_40 brief\_46 brief\_51 brief\_53 brief\_58);

if \_BRPON >= **10** then do;

%***BRFillMsg***(brief\_11); %***BRFillMsg***(brief\_15); %***BRFillMsg***(brief\_18); %***BRFillMsg***(brief\_22); %***BRFillMsg***(brief\_28); %***BRFillMsg***(brief\_35);

%***BRFillMsg***(brief\_36); %***BRFillMsg***(brief\_40); %***BRFillMsg***(brief\_46); %***BRFillMsg***(brief\_51); %***BRFillMsg***(brief\_53); %***BRFillMsg***(brief\_58);

P\_BRIEF\_plan = sum(of \_nbrief\_11 \_nbrief\_15 \_nbrief\_18 \_nbrief\_22 \_nbrief\_28 \_nbrief\_35 \_nbrief\_36 \_nbrief\_40 \_nbrief\_46 \_nbrief\_51 \_nbrief\_53 \_nbrief\_58);

end;

\*Organization of Materials;

\_BROMN = N(of brief\_4 brief\_29 brief\_67 brief\_68 brief\_69 brief\_72);

if \_BROMN >= **4** then do;

%***BRFillMsg***(brief\_4); %***BRFillMsg***(brief\_29); %***BRFillMsg***(brief\_67); %***BRFillMsg***(brief\_68); %***BRFillMsg***(brief\_69); %***BRFillMsg***(brief\_72);

P\_BRIEF\_organize = sum(of \_nbrief\_4 \_nbrief\_29 \_nbrief\_67 \_nbrief\_68 \_nbrief\_69 \_nbrief\_72);

end;

\*Monitor;

\_BRMON = N(of brief\_14 brief\_21 brief\_31 brief\_34 brief\_42 brief\_52 brief\_60 brief\_63);

if \_BRMON >= **6** then do;

%***BRFillMsg***(brief\_14); %***BRFillMsg***(brief\_21); %***BRFillMsg***(brief\_31); %***BRFillMsg***(brief\_34);

%***BRFillMsg***(brief\_42); %***BRFillMsg***(brief\_52); %***BRFillMsg***(brief\_60); %***BRFillMsg***(brief\_63);

P\_BRIEF\_monitor = sum(of \_nbrief\_14 \_nbrief\_21 \_nbrief\_31 \_nbrief\_34 \_nbrief\_42 \_nbrief\_52 \_nbrief\_60 \_nbrief\_63);

end;

/\* these are purposefully not “sum(of” so that they will be missing if any subscale is missing \*/

P\_BRIEF\_behreg = P\_BRIEF\_Inhib + P\_BRIEF\_shift + P\_BRIEF\_emo;

P\_BRIEF\_meta = P\_BRIEF\_initiate + P\_BRIEF\_wm + P\_BRIEF\_plan + P\_BRIEF\_organize + P\_BRIEF\_monitor;

P\_BRIEF\_globalcomposite = P\_BRIEF\_behreg + P\_BRIEF\_meta;

/\* I figure with this one, the # of missings will be small since if there are more than 14 overall missings then the calc won’t be done anyway. And yes, I did a bunch of if-statements, just for clarity and simplicity :) everything has its place \*/

\*Negativity Scale;

P\_BRIEF\_negativity = **0**;

if brief\_8 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_13 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_23 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_30 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_62 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_71 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_80 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_83 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

if brief\_85 = **3** then P\_BRIEF\_negativity = P\_BRIEF\_negativity + **1**;

\*Inconsistency Scale;

\_BR725 = ABS(brief\_7-brief\_25);

\_BR1122 = ABS(brief\_11-brief\_22);

\_BR2717 = ABS(brief\_27-brief\_17);

\_BR3332 = ABS(brief\_33-brief\_32);

\_BR3859 = ABS(brief\_38-brief\_59);

\_BR4165 = ABS(brief\_41-brief\_65);

\_BR4263 = ABS(brief\_42-brief\_63);

\_BR4454 = ABS(brief\_44-brief\_54);

\_BR5360 = ABS(brief\_53-brief\_60);

\_BR5544 = ABS(brief\_55-brief\_44);

P\_BRIEF\_Inconsistency = sum(of \_BR725 \_BR1122 \_BR2717 \_BR3332 \_BR3859 \_BR4165 \_BR4263 \_BR4454 \_BR5360 \_BR5544);

drop \_BRTotalN \_nbrief\_38 \_nbrief\_41 \_nbrief\_43 \_nbrief\_44 \_nbrief\_49 \_nbrief\_54 \_nbrief\_55 \_nbrief\_56 \_nbrief\_59 \_nbrief\_65

\_nbrief\_5 \_nbrief\_6 \_nbrief\_8 \_nbrief\_12 \_nbrief\_13 \_nbrief\_23 \_nbrief\_30 \_nbrief\_39

\_nbrief\_1 \_nbrief\_7 \_nbrief\_20 \_nbrief\_25 \_nbrief\_26 \_nbrief\_45 \_nbrief\_50 \_nbrief\_62 \_nbrief\_64 \_nbrief\_70

\_nbrief\_3 \_nbrief\_10 \_nbrief\_16 \_nbrief\_47 \_nbrief\_48 \_nbrief\_61 \_nbrief\_66 \_nbrief\_71

\_nbrief\_2 \_nbrief\_9 \_nbrief\_17 \_nbrief\_19 \_nbrief\_24 \_nbrief\_27 \_nbrief\_32 \_nbrief\_33 \_nbrief\_37 \_nbrief\_57

\_nbrief\_11 \_nbrief\_15 \_nbrief\_18 \_nbrief\_22 \_nbrief\_28 \_nbrief\_35 \_nbrief\_36 \_nbrief\_40 \_nbrief\_46 \_nbrief\_51 \_nbrief\_53 \_nbrief\_58

\_nbrief\_4 \_nbrief\_29 \_nbrief\_67 \_nbrief\_68 \_nbrief\_69 \_nbrief\_72 \_nbrief\_73-\_nbrief\_85

\_nbrief\_14 \_nbrief\_21 \_nbrief\_31 \_nbrief\_34 \_nbrief\_42 \_nbrief\_52 \_nbrief\_60 \_nbrief\_63

\_BRIHN \_BRSHN \_BRECN \_BRITN \_BRWMN \_BRPON \_BROMN \_BRMON

\_BR725 \_BR1122 \_BR2717 \_BR3332 \_BR3859 \_BR4165 \_BR4263 \_BR4454 \_BR5360 \_BR5544

;

end;

label

P\_BRIEF\_negativity = 'BRIEF Negativity sum score: le 4 = "Acceptable"; 5to6 = "Elevated"; ge 7 = "Highly elevated" '

P\_BRIEF\_Inconsistency = 'BRIEF Inconsistency sum score: < 6 = "Acceptable; 7to8= "Questionable"; ge 9 "Inconsistent" '

P\_BRIEF\_Inhib = 'BRIEF Inhibition sum score'

P\_BRIEF\_shift = 'BRIEF Shift sum score'

P\_BRIEF\_emo = 'BRIEF Emotional Control sum score'

P\_BRIEF\_initiate = 'BRIEF Initiate sum score'

P\_BRIEF\_wm = 'BRIEF Working Memory sum score'

P\_BRIEF\_plan = 'BRIEF Plan/Organize sum score'

P\_BRIEF\_organize = 'BRIEF Organization of materials sum score'

P\_BRIEF\_monitor = 'BRIEF Monitor sum score'

P\_BRIEF\_globalcomposite='BRIEF Global Composite; NOTE, consult manual before using, end user must change values if tscores are low'

P\_BRIEF\_behreg = 'BRIEF Behavior Regulation Index sum score'

P\_BRIEF\_meta = 'BRIEF Metacognition Index sum score';

**run**;

**proc** **means**; var P\_BRIEF\_Inhib P\_BRIEF\_shift P\_BRIEF\_emo P\_BRIEF\_initiate P\_BRIEF\_wm P\_BRIEF\_plan P\_BRIEF\_organize P\_BRIEF\_monitor

P\_BRIEF\_Inconsistency P\_BRIEF\_negativity P\_BRIEF\_globalcomposite; **run**;

**proc** **corr**; var P\_BRIEF\_Inhib P\_BRIEF\_shift P\_BRIEF\_emo P\_BRIEF\_initiate P\_BRIEF\_wm P\_BRIEF\_plan P\_BRIEF\_organize P\_BRIEF\_monitor P\_BRIEF\_globalcomposite; **run**;

**proc** **contents**; **run**;

**data** parentonchildcoded1016 (drop= SpPckt i ); set try33;

famid = FID;

bg\_id = TID;

**run**;

**proc** **contents** data=parentonchildcoded1016; **run**;

**proc** **freq** data=parentonchildcoded1016; tables famid bg\_id; **run**;

**proc** **contents** data=family7; **run**;

**data** parentonfamily1016 (drop=TOTSUMHLE TID); set family7;

famid = FID;

**run**;

**proc** **freq** data=parentonfamily1016; tables famid ; **run**;

**proc** **print**; where famid=**.**; **run**;

\*bringing together the two parent versions of the questionnaire;

**proc** **sort** data=parentonchildcoded1016; by famid; **run**;

**proc** **sort** data=parentonfamily1016; by famid; **run**;

**data** parentQ1016 (drop = AIN BIN );

merge parentonchildcoded1016(in=x) parentonfamily1016 (in=y);

by famid;

AIN=x;

BIN=y;

if AIN = **1**;

**Run**;

**proc** **freq** data=parentQ1016; tables famid bg\_id; **run**;

\*\*saving out above data in case I need to make changes again;

**data** bg.parentQ1016; set parentQ1016; **run**;

\*\*\*bringing in the registry info;

\*there are all sorts of variables I don't want in teh data, so got rid of them in SPSS and then brought in data;

**proc** **import** datafile="C:\Sara\Florida\data\Wave 2 packlet coding\Regmembers 12.02.16\_reduced.sav" out=registry dbms = sav replace;

**run**;

**proc** **contents** data=registry;

**run**;

\*\*bringing together the registry with the parent on twin level data;

**proc** **sort** data=parentQ1016; by bg\_id; **run**;

**proc** **sort** data=registry; by bg\_id; **run**;

**data** parentQ1016b (drop = AIN BIN );

update registry(in=x) parentQ1016 (in=y);

by bg\_id;

AIN=x;

BIN=y;

if AIN = **1** and BIN=**1**;

id = BG\_ID;

**Run**;

\*checking for missing data;

**proc** **freq** data=parentQ1016b; tables

BG\_ID GENDER\_master MULTIPLE PAIR\_GENDER dob famid raceethnicity twinid zyg\_par; **run**;

**proc** **print**; var fid bg\_id dweck\_1 zyg\_par; where zyg\_par = **.**; **run**;

\*\*\*\*bringing in the BRIEF standard scores\*\*\*\*\*\*;

**proc** **import** datafile="C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\SPSS Files\BRIEF Standard Scores.sav"

out=brief dbms = sav replace;

**run**;

\*getting rid of missing values;

**data** brief2; set brief;

array nvar(\*) \_numeric\_;

do i= **1** to dim(nvar);

if nvar(i) in(-**98**, -**99**, -**9**, -**35**) then nvar(i)= **.**;

end;

**run**;

**proc** **sort** data=parentQ1016b; by TID; **run**;

**proc** **sort** data=brief2; by TID; **run**;

**data** parentQ0514c ;

update parentQ1016b(in=x) brief2 (in=y);

by TID;

AIN=x;

BIN=y;

if AIN = **1** and BIN=**1**;

**Run**;

**proc** **contents**; **run**;

\*\*\*bringing in zipcode income data from census;

**PROC** **IMPORT** OUT= income DATAFILE= "C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Parent Data\zipcodes Wave 2 (102416).xlsx"

DBMS=xlsx REPLACE;

GETNAMES=YES;

**RUN**;

\*getting rid of missing values;

**data** income2 (drop=i); set income;

array nvar(\*) \_numeric\_;

do i= **1** to dim(nvar);

if nvar(i) in(-**98**, -**99**, -**9**, -**35**) then nvar(i)= **.**;

end;

**run**;

**proc** **sort** data=parentQ0514c; by fid; **run**;

**proc** **sort** data=income2; by fid; **run**;

**data** parentQ031517 ;

merge parentQ0514c(in=x) income2 (in=y);

by fid;

**Run**;

**proc** **print**; var fid bg\_id Percapitaincome; **run**;

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Creating Multivariate Dset\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*;

**data** as; set parentQ031517;

\*(here is the code from lisa to double enter to the point where would need to set for full double entry...so really, single entered, but full fam on a line;

%***appendTwin***(as,cqih1,**0**,b);

**data** cqihOdd1; set cqih1; if twinid = **1**; **run**;

**proc** **sort**; by famid; **run**;

**data** cqihEven1; set cqih1; if twinid = **0**; **run**;

**proc** **sort**; by famid; **run**;

%***appendTwin***(as,cqih2,**1**,b);

**data** cqihOdd2; set cqih2; if twinid = **1**; **run**;

**proc** **sort**; by famid; **run**;

**data** cqihEven2; set cqih2; if twinid = **0**; **run**;

**proc** **sort**; by famid; **run**;

\*\*\*\* merge for first round -- odd twin = 1 and even twin = 2 \*\*\*\*;

**data** bg.asSEa; merge cqihOdd1(in=a) cqihEven2(in=b); by famid;

**run**;

\*\*\*\* (sharts code) merge for first round -- odd twin = 2 and even twin = 1 \*\*\*\*;

**data** bg.asSEb; merge cqihEven1(in=a) cqihOdd2(in=b); by famid;

**run**;

\*more shart's code;

**data** multiparentq317; set bg.asSEa bg.asseb;

by famid;

**run**;

\* appendTwin

adds twin # to end of each non-identifying var name, creates new dset dsetOut

does add twin # to sid and subid

\*\*\*\* watch log for warnings about there already being a var with that name in the dset. if so, try using appendTwinUnderscore instead;

**%macro** appendTwin(dsetIn,dsetOut,t,w);

data &dsetOut.; set &dsetIn.; run; \*initialize new dset since it gets set on itself below;

proc contents data=&dsetIn. out=varList noprint; run;

proc sort data=varList; by descending NAME; run; /\*sort descending so adding a

1 or 2 doesn't create a var name that exists but will be changed later down the list - change the higher #s first;\*/

data \_NULL\_; set varList;

call symput('nl' , \_N\_);

run;

%do d=**1** %to &nl.;

data varList;

set varList;

if \_N\_=**1** then do;

call symput('varName',lowcase(strip(NAME)));

end;

run;

data varList;

set varList;

if \_N\_=**1** then delete;

run;

%if &varName. ne famid and &varName. ne pair\_gender and &varName. ne twinid and &varName. ne zyg\_par and &varName. ne zygparsum and &varName. ne gender\_master and &varName. ne multiple and &varName. ne fid

%then %do;

data &dsetOut.;

set &dsetOut.;

rename &varName.=&w.&varName.&t.;

run;

%end;

%end;

**%mend** appendTwin;

**data** multiparentq32017 (rename =(bbg\_id0=bg\_id0

bbg\_id1=bg\_id1 bdob0=dob0

bdob1=dob1

bid0=id0

bid1=id1 bethnic0=ethnic0 bethnic1=ethnic1 braceethnicity1=raceethnicity1)); set multiparentq317;

**run**;

**proc** **corr**; var bP\_panas\_PA1 bP\_panas\_NA0 ; **run**;

**proc** **freq** noprint ;

table famid / out = Form1\_DUPIDS (keep = famid Count where = (Count ne **2**)) ;

where twinid ne **2** and twinid ne **3**; **run**;

**proc** **contents** data=bg.multiparentq32017; **run**;

**proc** **freq** data=multiparentq32017 noprint ;

table BG\_ID1 / out = Form1\_DUPIDS (keep = BG\_ID1 Count where = (Count ne **1**)) ;

where twinid ne **2** and twinid ne **3**; **run**;

**proc** **freq** data=multiparentq32017 noprint ;

table BG\_ID0 / out = Form1\_DUPIDS (keep = BG\_ID0 Count where = (Count ne **1**)) ;

where twinid ne **2** and twinid ne **3**; **run**;

\*\*bringing in testing date and calculating age;

**PROC** **IMPORT** OUT= WORK.age DATAFILE= "C:\Sara\Florida\data\Wave 2 packlet coding\WAVE 2 DATA (from filemaker)\Processing Dates (for age variable)\W2 Processing Dates (for age) - 972016.xlsx"

DBMS=xlsx REPLACE;

GETNAMES=YES;

**RUN**;

**proc** **contents** data=age; **run**;

**data** age2; set age;

BG\_ID0 = tid;

**run**;

**proc** **sort** data=multiparentq32017; by BG\_ID0; **run**;

**proc** **sort** data=age2; by BG\_ID0; **run**;

**data** bg.multiparentq32017 (drop=tid btid1 btid0 bi0 bi1 bain0 bain1 bbin0 bbin1);

update multiparentq32017(in=x) age2 (in=y);

by BG\_ID0;

AIN=x;

BIN=y;

if AIN = **1** ;

bQ2age = (ProcessingDate-dob1 )/**365.25**;

**Run**;

**proc** **means**; var bQ2age; **run**;

LIBNAME mydata2 "C:\Sara\Florida\data\Wave 2 packlet coding";

**PROC** **EXPORT** DATA=bg.multiparentq32017

FILE="multiparentq32017"

DBMS=SPSS REPLACE;

**RUN**;