# ADHD Variable List
*(symptoms and diagnoses)*

<table>
<thead>
<tr>
<th>Name</th>
<th>Label</th>
<th>Symptom</th>
<th>Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inattention:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>J4NADHD1</td>
<td>Fails to pay attention to details</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD2</td>
<td>Difficulty concentrating on tasks</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD3</td>
<td>Doesn’t listen</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD4</td>
<td>Does not follow instructions, fails to finish</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD5</td>
<td>Difficulty organizing tasks/activities</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD6</td>
<td>Avoids sustained mental effort</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD7</td>
<td>Often loses things</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>J4NADHD8</td>
<td>Easily distracted</td>
<td>X</td>
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</tr>
<tr>
<td>J4NADHD9</td>
<td>Forgetful</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>Hyperactivity/Impulsivity:</strong></td>
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<td></td>
</tr>
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<td>J4NADHD10</td>
<td>Fidgety</td>
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</tr>
<tr>
<td>J4NADHD11</td>
<td>Difficulty remaining seated</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>J4NADHD12</td>
<td>Runs about and climbs</td>
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<td>X</td>
</tr>
<tr>
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<td>Difficulty doing things quietly</td>
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<td>Always on the go</td>
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<td>J4NADHD15</td>
<td>Talks excessively</td>
<td></td>
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<tr>
<td>J4NADHD16</td>
<td>Blurs out answers</td>
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<td>J4NADHD17</td>
<td>Difficulty waiting for turn</td>
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<td>Avoids sustained mental effort</td>
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<tr>
<td>j4nadhd7</td>
<td>Often loses things</td>
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<td>33</td>
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<td>j4nadhd12</td>
<td>Runs about and climbs</td>
<td>9.15</td>
<td>64</td>
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<td>Difficulty doing things quietly</td>
<td>9.42</td>
<td>71</td>
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<td>Always on the go</td>
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<td>missing symptom 2</td>
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<td>-------------------</td>
</tr>
<tr>
<td>1</td>
<td>15 of 18</td>
<td>j4nadhd6 avoids sustained mental effort</td>
<td>j4nadhd9 forgetful</td>
</tr>
<tr>
<td>2</td>
<td>17 of 18</td>
<td>j4nadhd9 forgetful</td>
<td>-------</td>
</tr>
<tr>
<td>3</td>
<td>17 of 18</td>
<td>j4nadhd9 forgetful</td>
<td>-------</td>
</tr>
<tr>
<td>4</td>
<td>17 of 18</td>
<td>j4nadhd9 forgetful</td>
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</tr>
<tr>
<td>5</td>
<td>17 of 18</td>
<td>j4nadhd9 forgetful</td>
<td>-------</td>
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<tr>
<td>6</td>
<td>17 of 18</td>
<td>j4nadhd9 forgetful</td>
<td>-------</td>
</tr>
<tr>
<td>7</td>
<td>17 of 18</td>
<td>j4nadhd5 difficulty organizing tasks/activities</td>
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<tr>
<td>8</td>
<td>17 of 18</td>
<td>j4nadhd5 difficulty organizing tasks/activities</td>
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<tr>
<td>All waves</td>
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</tbody>
</table>
J4NADHD1: Fails to pay attention to details, makes careless mistakes

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Fails to pay attention to details.

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
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<td>Available (school)</td>
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<td>Y</td>
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<tr>
<td>Available (elsewhere)</td>
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</tr>
<tr>
<td>90th % Cutoff</td>
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<td>1</td>
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</table>

RAW VARIABLE(S)

<table>
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<tr>
<th>p/crb4i01 (fails to pay attention to details)</th>
<th>1.3</th>
<th>1.4</th>
<th>2.0.3</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>p/crc6i01 (makes careless mistakes)</td>
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<td>N</td>
<td>N</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>
# SAMPLE INTERVIEW SECTION

## Child and Adolescent Psychiatric Assessment

### Definitions and questions

**FAILS TO PAY CLOSE ATTENTION TO DETAILS IN SCHOOL OR OTHER WORK**

*How good is s/he at paying attention to details when s/he is working on something?*

*Does s/he tend to do things incorrectly because s/he hasn’t paid enough attention to the task?*

*Does his work show that he doesn’t pay attention to details?*

**What does s/he do?**

*Is it like that in all activities or just some?*

*Can s/he make him/herself pay attention to details? (Is that all the time or just sometimes?)*

*What about if you ask him/her to pay attention?*

### Coding rules

**FAILS TO PAY ATTENTION TO DETAILS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition</td>
</tr>
<tr>
<td>3</td>
<td>Present in most activities and almost never uncontrollable by the child or by admonition</td>
</tr>
</tbody>
</table>

### Codes

**PRB4I01**

<table>
<thead>
<tr>
<th>Intensity</th>
<th></th>
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</thead>
</table>

### MAKES CARELESS MISTAKES

*Does “X” make a lot of careless mistakes?*

*Does that affect his/her school/work/work?*

*What does s/he do?*

*Is it like that in all activities or just some?*

*Can s/he stop him/herself? All the time or just sometimes?*

*What about if you ask him/her to stop?*
GLOSSARY NOTES

(Notes from PAPA Glossary)

FAILS TO PAY ATTENTION TO DETAILS

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

FAILS TO PAY CLOSE ATTENTION TO DETAILS IN SCHOOL OR OTHER WORK

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

MAKES CARELESS MISTAKES

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA</th>
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<th>CAPA</th>
<th></th>
<th>YAPA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weighted %</td>
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<td>Weighted %</td>
<td>N</td>
<td>Weighted %</td>
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<tr>
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<td>0</td>
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<td>5.14</td>
<td>55</td>
<td>3.91</td>
<td>422</td>
<td>1.54</td>
<td>53</td>
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</tbody>
</table>
Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

OTHER VARIABLES

**J4OADHD1**: 'Onset age: Fails to pay attention to details, makes careless mistakes'

SAS CODE

```
***************SAS Code for PAPA***************;
   if     prb4i01 ge 2  then do;
      p4nadhd1=1;
      p4oadhd1=(agedays-prb5o01);
      *** prb4o01 dne ***;
   end;
   else if prb4i01 ne . then p4nadhd1=0;

   label p4nadhd1='fails to pay attention details, makes mistakes';
   label p4oadhd1='Onset age:fails to pay attention details, makes mistakes';
   j4nadhd1 = p4nadhd1;
   j4oadhd1 = p4oadhd1;

   label j4nadhd1='fails to pay attention details, makes mistakes';
   label j4oadhd1='Onset age:fails to pay attention details, makes mistakes';

***************SAS Code for CAPA***************;
   if    yapa ne 1 then do;
      if study='GSMS' and wave=1 then do;
         if     prb4i01 ge 2  then do;
            p4nadhd1=1;
            p4oadhd1=(agedays-prb5o01);
            *** prb4o01 dne ***;
         end;
         else if prb4i01 ne ' ' then p4nadhd1=0;
      end;
      else do;
         if     prb4i01 ge 2  or prc6i01 ge 2  then do;
            p4nadhd1=1;
            p4oadhd1=(agedays-prb5o01);
            *** dne *** prb4o01 ***;
            *** dne *** prc6o01 ***;
         end;
```
else if prb4i01 ne '' or prc6i01 ne '' then p4nadhd1=0;
end;

label p4nadhd1='fails to pay attention details, makes mistakes';
label p4oadhd1='Onset age: fails to pay attention details, makes mistakes';

j4nadhd1 = p4nadhd1;
j4oadhd1 = p4oadhd1;

label j4nadhd1='fails to pay attention details, makes mistakes';
label j4oadhd1='Onset age: fails to pay attention details, makes mistakes';

end;

**************SAS Code for YAPA**********************;
if yapa = 1 then do;
  if crb4i01 ge 2 then do;
    c4nadhd1=1;
    c4oadhd1=(agedays-crb5o01);
    *** crb4o01 dne ***;
    end;
  else if crb4i01 ne '' then c4nadhd1=0;
  end;
else do;
  if crb4i01 ge 2 or crc6i01 ge 2 then do;
    c4nadhd1=1;
    c4oadhd1=(agedays-crb5o01);
  end;
  else if crb4i01 ne '' or crc6i01 ne '' then c4nadhd1=0;
  end;

label c4nadhd1='fails to pay attention details, makes mistakes';
label c4oadhd1='Onset age: fails to pay attention details, makes mistakes';

j4nadhd1 = c4nadhd1;
j4oadhd1 = c4oadhd1;

label j4nadhd1='fails to pay attention details, makes mistakes';
label j4oadhd1='Onset age: fails to pay attention details, makes mistakes';

end;
J4NADHD2: Difficulty concentrating on tasks

**ADHD Variable List**

**Description**

**Raw Variable(s)**

**CAPA Interview Section**

**Glossary Notes**

**Additional Variables**

**N, Weighted Prevalence, and Missing Data**

**Citations**

**SAS CODE**

**ADHD (symptom list)**

---

**DESCRIPTION**

---

DSM-IV definition: Difficulty concentrating on tasks.

Informant:
- PAPA - Parent only.
- CAPA - Parent only.
- YAPA - Self-report.

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
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<tbody>
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<td>Y</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
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<tr>
<td>90th % Cutoff</td>
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**RAW VARIABLE(S)**

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<tr>
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<th>1.4</th>
<th>2.0.3 CAPA</th>
<th>2.0.3 YAPA</th>
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<tr>
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SAMPLE INTERVIEW SECTION

Inattention

Now I'd like to focus on how well s/he concentrates. Please think about what s/he's like in the activities that require concentration, both ones s/he's required to do and ones s/he chooses.

Difficulty concentrating on tasks or play activities requiring sustained attention - alone

Is s/he able to concentrate on things when s/he has to?

Does s/he have more problems concentrating or focusing on things than other children his/her age?

Is s/he able to concentrate when doing something alone?

Like playing?

Does this happen in any of the activities we talked about?

What does s/he do?

Is it like that in all activities?

Or just some activities?

Difficulty concentrating on tasks or play activities requiring sustained attention - with adult

Is s/he able to concentrate when doing things with an adult?

How long do you think s/he can concentrate?

How long can s/he sit and be read a book?

Can s/he watch a whole TV show?

Or play a game to the end?

Can s/he make him/herself concentrate if s/he really tries?

Is that all the time? Or just some times?

What about if you ask him/her to concentrate?
INATTENTION

"Now I'd like to focus on how well s/he concentrates. Please think about what s/he's like in the activities that require concentration, both ones s/he's required to do and ones s/he chooses.

DIFFICULTY CONCENTRATING ON TASKS REQUIRING SUSTAINED ATTENTION

"Is s/he able to concentrate on things when s/he has to?"

"Does s/he have more problems concentrating than other children (young people) her age?"

"Does this happen in any of the activities we talked about?"

How long do you think s/he can concentrate? What does s/he do? Is it like that in all activities or just some?

Can s/he make him/herself concentrate if s/he really tries? (Is that all the time or just sometimes?) What about if you ask him/her to concentrate?

DIFFICULTY ORGANIZING TASKS AND ACTIVITIES

Difficulty organizing tasks and activities when structure is not imposed by others (e.g., at a loss to start or structure homework or a school project, to have all the right materials on hand to cook, play a game, etc., or to make plans become a reality).

"How is s/he at organizing a task or activity?"

Like his/her homework? Or a school project? Cooking? Making his/her birthday party or Valentine list?

"Does s/he know where to start?"

"If s/he gets started, does s/he then get disorganized?"
INATTENTION

Inattention refers to failure to maintain involvement on age- and developmental stage-appropriate tasks sufficiently to allow their proper completion.

If the parent or teacher has developed specific routines for assisting the child in completing tasks (for instance, by simplifying instructions or repeating them frequently, or placing the child out of contact with all external stimuli), those routines constitute evidence of the presence of a codable problem.

DIFFICULTY CONCENTRATING ON TASKS REQUIRING SUSTAINED ATTENTION

Difficulty concentrating on a particular task that requires sustained attention. Differentiate from difficulty following through on instructions.

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.
Difficulty concentrating on a particular task that requires sustained attention. Differentiate from difficulty following through on instructions.

0 = No

2 = Yes

### N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

### OTHER VARIABLES

**J4OADHD2**: 'Onset age: Difficulty concentrating on tasks'

### SAS CODE

```
**************SAS Code for PAPAP***************;

if pra7i01 ge 2 or pra7i02 ge 2 then do;
    p4nadh2=1;
    p4oadhd2=(agedays-prb5o01);
end;
else if pra7i01 ne . or pra7i02 ne . then p4nadh2=0;
```

label p4nadhd2='Difficulty sustaining attention';
label p4oadhd2='Onset age:Difficulty sustaining attention';

j4nadhd2 = p4nadhd2;
j4oadhd2 = p4oadhd2;

label j4nadhd2='Difficulty sustaining attention';
label j4oadhd2='Onset age:Difficulty sustaining attention';

**************SAS Code for CAPA**********************;

if yapa ne 1 then do;
      if pra7i01 ge 2 then do;
           p4nadhd2=1;
           p4oadhd2=(agedays-prb5o01);
      end;
      else if pra7i01 ne ' ' then p4nadhd2=0;
      label p4nadhd2='Difficulty sustaining attention';
      label p4oadhd2='Onset age:Difficulty sustaining attention';
      j4nadhd2 = p4nadhd2;
j4oadhd2 = p4oadhd2;

      label j4nadhd2='Difficulty sustaining attention';
      label j4oadhd2='Onset age:Difficulty sustaining attention';
end;

**********************************************;

**************SAS Code for YAPA**********************;

if yapa = 1 then do;
      if cra7i01 ge 2 then do;
           c4nadhd2=1;
           c4oadhd2=(agedays-crb5o01);
      end;
      else if cra7i01 ne ' ' then c4nadhd2=0;
      label c4nadhd2='Difficulty sustain attention';
      label c4oadhd2='Onset age:Difficulty sustain attention';
      j4nadhd2 = c4nadhd2;
j4oadhd2 = c4oadhd2;

      label j4nadhd2='Difficulty sustaining attention';
      label j4oadhd2='Onset age:Difficulty sustaining attention';
end;
J4NADHD3: Doesn’t listen

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

---

DSM-IV definition: Doesn’t listen.

Informant: PAPA- Parent only.  
CAPA- Parent only.  
YAPA- Self-report.

Note:

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RAW VARIABLE(S)

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SAMPLE INTERVIEW SECTION

Child and Adolescent Psychiatric Assessment

Definitions and questions

**OFTEN LOSES THINGS THAT ARE NECESSARY FOR TASKS/ACTIVITIES AT SCHOOL OR AT HOME**

*Does s/he lose things more than other kids do?*

*Does s/he get into trouble for losing things?*

Does s/he lose things s/he needs for school?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
Is that all the time or just sometimes?

What about if you ask him/her to stop?

**OFTEN DOESN’T SEEM TO LISTEN TO WHAT IS BEING SAID TO HIM/HER**

*Do you think s/he’s good at listening to what you say to him/her?*

*Do people complain that she doesn’t seem to listen to what they are saying to him/her?*

How can you tell?

*Does this happen in any of the activities we talked about?

Does his/her work show that he doesn’t pay attention to details?
What does s/he do?
Is it like that in all activities or just some?

Can s/he listen?
(If that all the time or just sometimes?)

What about if you really ask him/her to listen?
GLOSSARY NOTES

(Notes from PAPA Glossary)

OFTEN DOES NOT SEEM TO LISTEN TO WHAT IS BEING SAID TO HIM/HER

This symptom describes a child with adequate physical ability to hear who does not seem to hear rather than a disobedient child who does not follow instruction.

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

OFTEN DOESN'T SEEM TO LISTEN TO WHAT IS BEING SAID TO HIM/HER

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
• YAPA: no notes.

OTHER VARIABLES

J4OADHD3: 'Onset age: Doesn’t listen'

SAS CODE

**************SAS Code for PAPA**********************;
if prb3i01 ge 2 then do;
p4nadhd3=1;
p4oadhd3=(agedays-prb5o01);
end;
else if prb3i01 ne . then p4nadhd3=0;

label p4nadhd3='Doesn’t seem to listen';
label p4oadhd3='Onset age: Doesn’t seem to listen';

j4nadhd3 = p4nadhd3;
j4oadhd3 = p4oadhd3;

label j4nadhd3='Doesn’t seem to listen';
label j4oadhd3='Onset age: Doesn’t seem to listen';

end;
**************SAS Code for CAPA**********************;
if yapa ne 1 then do;
if prb3i01 ge 2 then do;
p4nadhd3=1;
p4oadhd3=(agedays-prb5o01);
*** dne *** prb3o01 ***; 
end;
else if prb3i01 ne . then p4nadhd3=0;

label p4nadhd3='Doesn’t seem to listen';
label p4oadhd3='Onset age: Doesn’t seem to listen';

j4nadhd3 = p4nadhd3;
j4oadhd3 = p4oadhd3;

label j4nadhd3='Doesn’t seem to listen';
label j4oadhd3='Onset age: Doesn’t seem to listen';

end;
**************SAS Code for YAPA**********************;
if yapa = 1 then do;
if crb3i01 ge 2 then do;
  c4nadhd3=1;
  c4oadhd3=(agedays-crb5o01);
  *** dne *** crb3o01 ***;
end;
else if crb3i01 ne ' ' then c4nadhd3=0;

label c4nadhd3='Doesn't seem to listen';
label c4oadhd3='Onset age: Doesn't seem to listen';

j4nadhd3 = c4nadhd3;
j4oadhd3 = c4oadhd3;

label j4nadhd3='Doesn't seem to listen';
label j4oadhd3='Onset age: Doesn't seem to listen';

end;
J4NADHD4: Does not follow instructions, fails to finish

ADHD Variable List

Description

Raw Variable(s)

CAPA Interview Section

Glossary Notes

Additional Variables

N, Weighted Prevalence, and Missing Data

Citations

SAS CODE

ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Does not follow instructions, fails to finish

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

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Raw variable prc7i01 not used for GSMS study.
**SAMPLE INTERVIEW SECTION**

Child and Adolescent Psychiatric Assessment

**Definitions and questions**

**DIFFICULTY FOLLOWING THROUGH ON INSTRUCTIONS FROM OTHERS**

*How good is s/he at following through on instructions from others?*

*Does s/he tend not to complete things s/he’s been asked to do?*

*What about with things s/he’s been told to do?*

What does s/he do?

Is it like that in all activities or just some?

Can s/he complete things if s/he makes an effort?

Is that all the time or just sometimes?

What about if you ask him/her to follow through?

Does that happen at school as well as at home?

**AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT**

*Does X* try to get out of things where s/he will have to concentrate?

Can you get him/her to do such things?

What does s/he do?

Is it like that in all activities or just some?

Can s/he stop him/herself?

All the time or just sometimes?

What about if you ask him/her to stop?

**Coding rules**

**DIFFICULTY FOLLOWING INSTRUCTIONS**

*2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition*

*3 = Present in most activities and almost never controllable by the child or by admonition*

**AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT**

*2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition*

*3 = Present in most activities and almost never controllable by the child or by admonition*
CHORES

A child should be able to perform reasonable work tasks expected of him/her at home, such as keeping the bedroom tidy, helping out around the house and yard. Remember that in most cases a decrement in ability or willingness to perform the tasks is required for an incapacity to be noted.

*What about the jobs s/he has to do at home?
Like chores?

*Has it affected him/her at home at all?
In what way?

*Are there any things that s/he can’t do properly or that s/he’s stopped doing because of (the way s/he’s been feeling)?

*Would it make a difference if s/he didn’t…… (have symptoms)?
What difference would it make?
How do you know that it’s…… (symptom)…… that causes the trouble?
Definitions and questions

HOMEWORK

A child should be able to do reasonable homework assignments at home. Remember that in most cases a decrement in ability or willingness to perform the tasks is required for an incapacity to be noted.

"What about doing his/her homework?

"Has it affected him/her at all?

In what way?

"Are there any things that s/he can’t do properly or that s/he’s stopped doing because of (the way s/he’s been feeling)?

"Would it make a difference if s/he didn’t ...... (have symptoms)?

What difference would it make?

How do you know that it’s ......(symptom) ...... that causes the trouble?

Coding rules

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<td>Hyperactivity</td>
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INATTENTION

*Now I'd like to focus on how well s/he concentrates. Please think about what s/he's like in the activities that require concentration, both ones s/he's required to do and ones s/he chooses.*

DIFFICULTY CONCENTRATING ON TASKS REQUIRING SUSTAINED ATTENTION

*Is s/he able to concentrate on things when s/he has to?*

*Does s/he have more problems concentrating than other children (young people) her age?*

*Does this happen in any of the activities we talked about?*

How long do you think s/he can concentrate?

What does s/he do?

Is it like that in all activities or just some?

Can s/he make him/herself concentrate if s/he really tries? (Is that all the time or just sometimes?)

What about if you ask him/her to concentrate?

DIFFICULTY ORGANIZING TASKS AND ACTIVITIES

Difficulty organizing tasks and activities when structure is not imposed by others (e.g., at a loss to start or structure homework or a school project, to have all the right materials on hand to cook, play a game, etc., or to make plans become a reality).

*How is s/he at organizing a task or activity?*

Like his/her homework?

Or a school project?

Cooking?

Making his/her birthday party or Valentine list?

*Does s/he know where to start?*

*If s/he gets started, does s/he then get disorganized?*
Definitions and questions

SCHOOL LIFE

*What about at school, does it affect how s/he gets along there?*

SCHOOL PERFORMANCE

Deterioration in classwork is considered to be evidence of an incapacity. A description of things that the child used to be able to do but can no longer is required for a rating here; do not include children whose low intelligence limits their ability to perform school work and who have, therefore, always had poor results.

However, a child that has never been able to perform due to hyperactivity or chronic conduct problems would code if it is clear that these problems contribute to difficulties with school performance.

*Does “problem” affect how well s/he can do his/her lessons?*

How?

*Does “problem” affect how well s/he can do his/her lessons?*

How?

*Can you tell me about the last time that it did?*

Coding rules

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**EMPLOYMENT**

Many adolescents have jobs, and they may prove unable to perform these jobs adequately as a result of psychopathology, in which case an incapacity should be recorded as being present as a result of that psychopathology. The performance of the job must actually be substandard to some degree. It is not enough that the subject should simply describe it as being more difficult or tiring.

*Does s/he have a job?*

*Has that been affected at all?*

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</table>
DIFFICULTY IN FOLLOWING THROUGH INSTRUCTIONS FROM OTHERS

Difficulty following through on instructions involves difficulty following through on a series of particular instructions or a sequence of tasks (not due to oppositional behavior or failure of comprehension).

Differentiate from Disobedience. For codings in this section, consider situations in which the child apparently is willing to try to follow instructions, attempts to, but then cannot follow through. In contrast, the disobedient child challenges the necessity of following the instructions, refuses to, and/or is not willing to try. Both can be present.

0 = Absent

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by child or by admonition.

DIFFICULTY ORGANIZING TASKS AND ACTIVITIES

Difficulty organizing tasks and activities when structure is not imposed by others (e.g., at a loss to start or structure a project, to have all the right materials on hand to play a game, build a train track, etc.).

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

DIFFICULTY CONCENTRATING ON TASKS REQUIRING SUSTAINED ATTENTION

Difficulty concentrating on a particular task that requires sustained attention. Differentiate from difficulty following through on instructions.

0 = No

2 = Yes
Other Imposed, Self Imposed or Passive Activities

S = Screen Negative

2 = Present in at least two activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

DIFFICULTY IN FOLLOWING THROUGH INSTRUCTIONS FROM OTHERS

Difficulty following through on instructions involves difficulty following through on a series of particular instructions or a sequence of tasks (not due to oppositional behavior or failure of comprehension). The 10 minute rule does not apply as the child should be able to follow through for longer than 10 minutes.

Differentiate from Disobedience. For codings in this section, consider situations in which the child apparently is willing to try to follow instructions, attempts to, but then cannot follow through. In contrast, the disobedient child challenges the necessity of following the instructions, refuses to, and/or is not willing to try. Both can be present.

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
OTHER VARIABLES

**J4OADHD4:** 'Onset age: Does not follow instructions, fails to finish'

**SAS CODE**

```
**************SAS Code for PAPA**********************;
*** note: I've converted the ePAPA impairment variable ***;
*** names (X) to match the standard impairment variable ***;
*** names (I), so variation between versions is taken ***;
*** care of. ***;
if pra8i01 ge 2 or pma7i19 ge 2 or pma9i19 ge 2 or pmb0i19 ge 2 or pme0i20 ge 2 then do;
  if pra8i01 ge 2 then do;
    p4nadhd4=1;
    p4oadhd4=(agedays-prb5o01);
    *** dne *** pra8o01 ***;
  end;
  if pma7i19 ge 2 then do;
    p4nadhd4=1;
    p4oadhd4=min(p4oadhd4,(agedays-pma7o01),(agedays-pma7o02));
  end;
  if pma9i19 ge 2 then do;
    p4nadhd4=1;
    p4oadhd4=min(p4oadhd4,(agedays-pma9o01),(agedays-pma9o02));
  end;
  if pmb0i19 ge 2 then do;
    p4nadhd4=1;
    p4oadhd4=min(p4oadhd4,(agedays-pmb0o01));
  end;
  if pme0i20 ge 2 then do;
    p4nadhd4=1;
    p4oadhd4=min(p4oadhd4,(agedays-pme0o01),(agedays-pme0o02));
  end;
else if pra8i01 ne . or pma7i19 ne . or pma9i19 ne . or pmb0i19 ne . or pme0i20 ne . then p4nadhd4=0;
label p4nadhd4='Not follow instruc, fails to finish tasks';
label p4oadhd4='Onset age:Not follow instruc, fails to finish tasks';
j4nadhd4 = p4nadhd4;
j4oadhd4 = p4oadhd4;
label j4nadhd4='Not follow instruc, fails to finish tasks';
label j4oadhd4='Onset age:Not follow instruc, fails to finish tasks';

**************SAS Code for CAPA**********************;
```
if yapa ne 1 then do;

*** new variable in CCC to be added ***;
if study='CCC' then do;
 if pra8i01 ge 2 or pma7i19 ge 2 or pma8i19 ge 2 or
 prc7i01 ge 2 or
 pmb0i19 ge 2 or pmb9i20 ge 2 then do;
 if pra8i01 ge 2 then do;
 p4nadhd4=1;
p4oadhd4=(agedays-prb5o01);
 *** dne *** pra8o01 ***;
 end;
 if pma7i19 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pma7o01),(agedays-pma7o02));
 end;
 if pma8i19 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pma8o01),(agedays-pma8o02));
 end;
 if prc7i01 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-prb5o01));
 *** dne *** prc7o01 ***;
 end;
 if pmb0i19 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pmb0o01));
 end;
 if pmb9i20 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pmb9o01),(agedays-pmb9o02));
 end;
 else if pra8i01 ne ' ' or pma7i19 ne ' ' or pma8i19 ne ' ' or
 prc7i01 ge ' ' or
 pmb0i19 ne ' ' or pmb9i20 ne ' ' then p4nadhd4=0;
 end;
else do;
 if pra8i01 ge 2 or pma7i19 ge 2 or pma8i19 ge 2 or
 pmb0i19 ge 2 or pmb9i20 ge 2 then do;
 if pra8i01 ge 2 then do;
p4nadhd4=1;
p4oadhd4=(agedays-prb5o01);
 *** dne *** pra8o01 ***;
 end;
 if pma7i19 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pma7o01),(agedays-pma7o02));
 end;
 if pma8i19 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pma8o01),(agedays-pma8o02));
 end;
 if pmb0i19 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pmb0o01));
 end;
 if pmb9i20 ge 2 then do;
p4nadhd4=1;
p4oadhd4=min(p4oadhd4,(agedays-pmb9o01),(agedays-pmb9o02));
 end;
end;
else if pra8i01 ne '' or pma7i19 ne '' or pma8i19 ne '' or
    pmb0i19 ne '' or pmb9i20 ne '' then p4nadhd4=0;
end;

label p4nadhd4='Not follow instruc, fails to finish tasks';
label p4oadhd4='Onset age:Not follow instruc, fails to finish tasks';

j4nadhd4 = p4nadhd4;
j4oadhd4 = p4oadhd4;

label j4nadhd4='Not follow instruc, fails to finish tasks';
label j4oadhd4='Onset age:Not follow instruc, fails to finish tasks';
end;

**************SAS Code for YAPA**********************;

if yapa = 1 then do;

    if cra8i01 ge 2 or cma7i19 ge 2 or cma8i19 ge 2 or
        cmb0i19 ge 2 or cmb9i20 ge 2 then do;
        if cra8i01 ge 2 then do;
            c4nadhd4=1;
            c4oadhd4=(agedays-crb5o01);
            *** dne *** cra8o01 ***;
            end;
        if cma7i19 ge 2 then do;
            c4nadhd4=1;
            c4oadhd4=min(c4oadhd4,(agedays-cma7o01),(agedays-cma7o02));
            end;
        if cma8i19 ge 2 then do;
            c4nadhd4=1;
            c4oadhd4=min(c4oadhd4,(agedays-cma8o01),(agedays-cma8o02));
            end;
        if cmb0i19 ge 2 then do;
            c4nadhd4=1;
            c4oadhd4=min(c4oadhd4,(agedays-cmb0o01));
            end;
        if cmb9i20 ge 2 then do;
            c4nadhd4=1;
            c4oadhd4=min(c4oadhd4,(agedays-cmb9o01),(agedays-cmb9o02));
            end;
        end;
    else if cra8i01 ne '' or cma7i19 ne '' or cma8i19 ne '' or
        cmb0i19 ne '' or cmb9i20 ne '' then c4nadhd4=0;
    end;

label c4nadhd4='Not follow instruc, fails finish';
label c4oadhd4='Onset age:Not follow instruc, fails finish';

j4nadhd4 = c4nadhd4;
j4oadhd4 = c4oadhd4;

label j4nadhd4='Not follow instruc, fails to finish tasks';
label j4oadhd4='Onset age:Not follow instruc, fails to finish tasks';
end;
J4NADHD5: Difficulty organizing tasks/activities

ADHD Variable List

Description

Raw Variable(s)

CAPA Interview Section

Glossary Notes

Additional Variables

N, Weighted Prevalence, and Missing Data

Citations

SAS CODE

ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Difficulty organizing tasks/activities.

Informant: PAPA- Parent only.
           CAPA- Parent only.
           YAPA- Self-report.

Note:

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<tr>
<th>Available (home)</th>
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<th>YAPA</th>
</tr>
</thead>
<tbody>
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<tr>
<td>Available (elsewhere)</td>
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RAW VARIABLE(S)

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<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>prc7i01 (difficulty organizing tasks)</td>
<td>1.3</td>
<td>Y</td>
</tr>
<tr>
<td>pdb5i01 (inefficient thinking)</td>
<td>1.4</td>
<td>N</td>
</tr>
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</table>
SAMPLE INTERVIEW SECTION

Definitions and questions

DIFFICULTY ORGANIZING TASKS AND ACTIVITIES

Difficulty organizing tasks and activities when structure is not imposed by others (e.g., at a loss to start or structure a project, to have all the right materials on hand to play a game, build a train track, etc.)

How is s/he at organizing a task or activity?

Like doing a project?
Can s/he gather all materials needed to play a game?
Or setting up a game?
Does s/he know where to start?
If s/he gets started, does s/he then get disorganized?

DIFFICULTY FOLLOWING THROUGH ON INSTRUCTIONS FROM OTHERS AND FAILS TO FINISH TASKS AND ACTIVITIES

How good is s/he at following through on instructions from others?
Does s/he tend not to complete things s/he’s been asked to do?
What about with things s/he’s been told to do?

What does s/he do?
Is it like that in all activities?
Or just some activities?
Does s/he complete things if s/he makes an effort?
Is that all the time?
Or just sometimes?
What about if you ask him/her to follow through?
Does that happen at daycare/school as well as at home?

AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT

Does ‘X’ try to get out of things where s/he will have to concentrate?

Like doing a puzzle or trying to write his/her name?

Can you get him/her to do such things?
What does s/he do?
Is it like that in all activities?
Or just some activities?

Coding rules

DIFFICULTY ORGANIZING TASKS

PRC7101

Intensity

0 = Absent
2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.
3 = Present in most activities and almost never controllable by the child or by admonition.

DIFFICULTY FOLLOWING INSTRUCTIONS

PRAS801

Intensity

0 = Absent
2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.
3 = Present in most activities and almost never controllable by the child or by admonition.

AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT

PRSC801

Intensity

0 = Absent
2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.
3 = Present in most activities and almost never controllable by the child or by admonition.
SUBJECTIVE COMPLAINTS ABOUT THINKING

INEFFICIENT THINKING

Unpleasant difficulty with thinking clearly or efficiently, or concentrating, even about simple matters; daily total duration of at least 1 hour.

*Do his/her thoughts get muddled or confused easily?

How long has it been like that?
Can s/he think clearly if s/he needs to?

Does it cause him/her any trouble? What?
Does s/he complain of any interference with his/her thoughts?

What does s/he say is happening?
What do you notice?
When did s/he start to have trouble with his/her thinking?

INDECISIVENESS

Unpleasant difficulty in reaching decisions, even about simple matters; a general rating of subject's ability to make decisions.

*What about decisions? Is s/he good at making decisions (making up his/her mind)?

Why not?

*Has s/he had any trouble making decisions?

Why?

When was the last time s/he had that sort of trouble?

What happens when s/he has to make up his/her mind?

Can you remember the last time that happened?
Has s/he always been like that?

Does it cause him/her any trouble? What?

Coding rules

INEFFICIENT THINKING

2 = Sometimes uncontrollable in at least 2 activities
3 = Almost always uncontrollable and occurring in relation to almost all situations where clear thinking required

INDECISIVENESS

2 = Sometimes uncontrollable in at least 2 activities
3 = Almost always uncontrollable and occurring in relation to almost all decisions
GLOSSARY NOTES

(Notes from PAPA Glossary)

DIFFICULTY ORGANIZING TASKS AND ACTIVITIES

Difficulty organizing tasks and activities when structure is not imposed by others (e.g., at a loss to start or structure a project, to have all the right materials on hand to play a game, build a train track, etc.).

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

INEFFECTIVE THINKING

The subject complains that s/he is unable to think clearly or efficiently, even about simple matters, and finds the experience unpleasant. His/her thoughts are muddled and they may tend to go round and round in aimless circles (in which case consider the possibility that Rumination is present). This complaint is subjective and may be in contrast to the clear and efficient way in which the subject describes the symptom. Only the subjective complaint is coded. The total daily duration must be at least one hour.

Do not include difficulties thinking about schoolwork which the subject finds difficult or complicated.

If Thought Insertion, Commentary, Withdrawal or Broadcast or any kind of delusional explanation for the thought disorder are present, code S.

Distinguish from Subjective Slowed Thinking, which is a subjective sensation of the processes of thinking being slowed down. Differentiate from Subjective Motor Slowing which refers to actual speech and motor production. Differentiate from Ruminations, Worries, Poor Concentration and Indecisiveness.

2 = Inefficient thinking is sometimes uncontrollable in at least two activities.

3 = Inefficient thinking is almost always uncontrollable and occurs in relation to almost all situations where clear thinking is required.
### N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
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<tr>
<th></th>
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Missing data notes:
- PAPA: no notes.
- CAPA: not administered in waves 7,8. (.L used for missings)
- YAPA: no notes.

### OTHER VARIABLES

**J4OADHD5:** 'Onset age: Difficulty organizing tasks/activities'

### SAS CODE

```
***************SAS Code for PAPA**********************;
    if prc7i01 ge 2 then do;
        p4nadhd5=1;
        p4oadhd5=(agedays-prb5o01);
    end;
    else if prc7i01 ne . then p4nadhd5=0;

label p4nadhd5='Difficulty organizing tasks/activities';
label p4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = p4nadhd5;
j4oadhd5 = p4oadhd5;
```
**SAS Code for CAPA**

```sas
if yapa ne 1 then do;

if study='GSMS' and wave < 7 then do;
  if pdb5i01 ge 2 then do;
    p4nadhd5=1;
    p4oadhd5=(agedays-pdb5o01);
    end;
  else if pdb5i01 ne '' then p4nadhd5=0;
  end;
else do;
  p4nadhd5=.L;
  p4oadhd5=.L;
  end;

label p4nadhd5='Difficulty organizing tasks/activities';
label p4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = p4nadhd5;
j4oadhd5 = p4oadhd5;

**SAS Code for YAPA**

```sas
if yapa = 1 then do;

if cdb5i01 ge 2 then do;
  c4nadhd5=1;
  c4oadhd5=(agedays-cdb5o01);
  end;
else if cdb5i01 ne '' then c4nadhd5=0;

label c4nadhd5='Difficulty organizing tasks/activities';
label c4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = c4nadhd5;
j4oadhd5 = c4oadhd5;

**SAS Code for CAPA**

```sas
if yapa ne 1 then do;

if study='GSMS' and wave < 7 then do;
  if pdb5i01 ge 2 then do;
    p4nadhd5=1;
    p4oadhd5=(agedays-pdb5o01);
    end;
  else if pdb5i01 ne '' then p4nadhd5=0;
  end;
else do;
  p4nadhd5=.L;
  p4oadhd5=.L;
  end;

label p4nadhd5='Difficulty organizing tasks/activities';
label p4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = p4nadhd5;
j4oadhd5 = p4oadhd5;

**SAS Code for YAPA**

```sas
if yapa = 1 then do;

if cdb5i01 ge 2 then do;
  c4nadhd5=1;
  c4oadhd5=(agedays-cdb5o01);
  end;
else if cdb5i01 ne '' then c4nadhd5=0;

label c4nadhd5='Difficulty organizing tasks/activities';
label c4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = c4nadhd5;
j4oadhd5 = c4oadhd5;

**SAS Code for CAPA**

```sas
if yapa ne 1 then do;

if study='GSMS' and wave < 7 then do;
  if pdb5i01 ge 2 then do;
    p4nadhd5=1;
    p4oadhd5=(agedays-pdb5o01);
    end;
  else if pdb5i01 ne '' then p4nadhd5=0;
  end;
else do;
  p4nadhd5=.L;
  p4oadhd5=.L;
  end;

label p4nadhd5='Difficulty organizing tasks/activities';
label p4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = p4nadhd5;
j4oadhd5 = p4oadhd5;

**SAS Code for YAPA**

```sas
if yapa = 1 then do;

if cdb5i01 ge 2 then do;
  c4nadhd5=1;
  c4oadhd5=(agedays-cdb5o01);
  end;
else if cdb5i01 ne '' then c4nadhd5=0;

label c4nadhd5='Difficulty organizing tasks/activities';
label c4oadhd5='Onset age:Difficulty organizing tasks/activities';

j4nadhd5 = c4nadhd5;
j4oadhd5 = c4oadhd5;
```
P4NADHD6: Avoids sustained mental effort

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Avoids sustained mental effort.

Informant:
  PAPA- Parent only.
  CAPA- Parent only.
  YAPA- Self-report.

Note:

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<tr>
<th></th>
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<td>Y</td>
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<tr>
<td>Available (school)</td>
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<td>90th % Cutoff</td>
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RAW VARIABLE(S)

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<td>1.4</td>
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SAMPLE INTERVIEW SECTION

Child and Adolescent Psychiatric Assessment

Definitions and questions

DIFFICULTY FOLLOWING ON INSTRUCTIONS FROM OTHERS

*How good is s/he at following through on instructions from others?

*Does s/he tend not to complete things s/he’s been asked to do?

*What about with things s/he’s been told to do?

What does s/he do?
Is it like that in all activities or just some?

Can s/he complete things if s/he makes an effort?
Is that all the time or just sometimes?

What about if you ask him/her to follow through?

Does that happen at school as well as at home?

AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT

*Does “X” try to get out of things where s/he will have to concentrate?

Can you get him/her to do such things?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?

Coping rules

DIFFICULTY FOLLOWING INSTRUCTIONS

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition

AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition
GLOSSARY NOTES

(Notes from PAPA Glossary)

AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

AVOIDS TASKS REQUIRING SUSTAINED MENTAL EFFORT

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:

- PAPA: no notes.

- CAPA: not administered in wave 1 (.L used for missings)

- YAPA: no notes.
OTHER VARIABLES

**J4OADHD6**: 'Onset age: Avoids sustained mental effort'

SAS CODE

```sas
***************SAS Code for PAPA***************;
  if prc5i01 ge 2 then do;
    p4nadhd6=1;
    p4oadhd6=(agedays-prb5o01);
    end;
  else if prc5i01 ne . then p4nadhd6=0;
  label p4nadhd6='Avoids sustained mental effort';
  label p4oadhd6='Onset age: Avoids sustained mental effort';

  j4nadhd6 = p4nadhd6;
  j4oadhd6 = p4oadhd6;
  label j4nadhd6='Avoids sustained mental effort';
  label j4oadhd6='Onset age:Avoids sustained mental effort';

***************SAS Code for CAPA***************;

  if yapa ne 1 then do;
    if study='GSMS' and wave=1 then do;
      p4nadhd6=.L;
      p4oadhd6=.L;
      end;
    else do;
      if prc5i01 ge 2 then do;
        p4nadhd6=1;
        p4oadhd6=(agedays-prb5o01);
        *** dne *** prc5o01 ***;
        end;
      else if prc5i01 ne ' ' then p4nadhd6=0;
      end;
  label p4nadhd6='Avoids sustained mental effort';
  label p4oadhd6='Onset age:Avoids sustained mental effort';

  j4nadhd6 = p4nadhd6;
  j4oadhd6 = p4oadhd6;
  label j4nadhd6='Avoids sustained mental effort';
  label j4oadhd6='Onset age:Avoids sustained mental effort';
```
end;

**************SAS Code for YAPA***************;

if yapa = 1 then do;
if crc5i01 ge 2 then do;
c4nadhd6=1;
c4oadhd6=(agedays-crb5o01);
*** dne *** crc5o01 ***;
end;
else if crc5i01 ne ' ' then c4nadhd6=0;
end;

label c4nadhd6='Avoids sustained mental effort';
label c4oadhd6='Onset age:Avoids sustained mental effort';

j4nadhd6 = c4nadhd6;
j4oadhd6 = c4oadhd6;

label j4nadhd6='Avoids sustained mental effort';
label j4oadhd6='Onset age:Avoids sustained mental effort';

end;
J4NADHD7: Often loses things

**ADHD Variable List**

**Description**

**Raw Variable(s)**

**CAPA Interview Section**

**Glossary Notes**

**Additional Variables**

**N, Weighted Prevalence, and Missing Data**

**Citations**

**SAS CODE**

**ADHD (symptom list)**

---

**DESCRIPTION**

---

DSM-IV definition: Often loses things.

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

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**RAW VARIABLE(S)**

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SAMPLE INTERVIEW SECTION

Definitions and questions

**OF TEN LOSES THINGS THAT ARE NECESSARY FOR TASKS/ACTIVITIES AT SCHOOL OR AT HOME**

*Does s/he lose things more than other kids do?*

*Does s/he get into trouble for losing things?*

Does s/he lose things s/he needs for school?

What does s/he do?

Is it like that in all activities or just some?

Can s/he stop him/herself?

Is that all the time or just sometimes?

What about if you ask him/her to stop?

**OF TEN DOESN’T SEEM TO LISTEN TO WHAT IS BEING SAID TO HIM/HER**

*Do you think s/he’s good at listening to what you say to him/her?*

*Do people complain that she doesn’t seem to listen to what they are saying to him/her?*

How can you tell?

*Does this happen in any of the activities we talked about?*

Does his/her work show that he doesn’t pay attention to details?

What does s/he do?

Is it like that in all activities or just some?

Can s/he listen?

(Is that all the time or just sometimes?)

What about if you really ask him/her to listen?

Coding rules

**OF TEN LOSES THINGS**

0 = No

2 = Yes

**DOESN’T LISTEN**

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition
GLOSSARY NOTES

(Notes from PAPA Glossary)

**OFTEN LOSES THINGS THAT ARE NECESSARY FOR TASKS/ACTIVITIES AT DAYCARE/SCHOOL OR AT HOME**

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

**OFTEN LOSES THINGS THAT ARE NECESSARY FOR TASKS/ACTIVITIES AT SCHOOL OR HOME**

0 = No

2 = Yes

### N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.
OTHER VARIABLES

**J4OADHD7**: 'Onset age: Often loses things'

SAS CODE

```sas
**************SAS Code for PAPA***************;
if prb2i01 ge 2 then do;
p4nadhd7=1;
p4oadhd7=(agedays-prb5o01);
end;
else if prb2i01 ne 0 then p4nadhd7=0;
label p4nadhd7='Often loses things';
label p4oadhd7='Onset age:Often loses things';

j4nadhd7 = p4nadhd7;
j4oadhd7 = p4oadhd7;
label j4nadhd7='Often loses things';
label j4oadhd7='Onset age:Often loses things';

**************SAS Code for CAPA***************;
if yapa ne 1 then do;

if prb2i01 ge 2 then do;
p4nadhd7=1;
p4oadhd7=(agedays-prb5o01);
*** dne *** prb2o01 ***;
end;
else if prb2i01 ne '' then p4nadhd7=0;

label p4nadhd7='Often loses things';
label p4oadhd7='Onset age:Often loses things';

j4nadhd7 = p4nadhd7;
j4oadhd7 = p4oadhd7;
label j4nadhd7='Often loses things';
label j4oadhd7='Onset age:Often loses things'
end;
```
*************SAS Code for YAPA*************;

if yapa = 1 then do;
  if crb2i01 ge 2 then do;
    c4nadhd7=1;
    c4oadhd7=(agedays-crb5o01);
    *** dne *** crb2o01 ***;
  end;
  else if crb2i01 ne ' ' then c4nadhd7=0;

  label c4nadhd7='Often loses things';
  label c4oadhd7='Onset age:Often loses things';

  j4nadhd7 = c4nadhd7;
  j4oadhd7 = c4oadhd7;

  label j4nadhd7='Often loses things';
  label j4oadhd7='Onset age:Often loses things'
end;
J4NADHD8: Easily distracted

ADHD Variable List

Description

Raw Variable(s)

CAPA Interview Section

Glossary Notes

Additional Variables

N, Weighted Prevalence, and Missing Data

Citations

SAS CODE

ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Easily distracted.

Informant:
PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

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RAW VARIABLE(S)

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SAMPLE INTERVIEW SECTION

Definitions and questions

EASILY DISTRacted BY EXTRaNEOUS STIMULI

*Does s/he have difficulty paying attention when s/he can look out of the window or hear other people talking in the next room?

*Is s/he easily distracted by things going on around her?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
(Is that all the time or just sometimes?)
What about if you ask him/her to pay attention?

FORGETFUL IN DAILY ACTIVITIES

Forgetful in daily activities (e.g., forgetting appointments, leaving the stove when cooking, letting the cat out but not back in, going to a friend’s house for the first time without the address, etc.).

*Is s/he often forgetful in his/her daily activities?

Can you give me an example?

*Does s/he forget his/her appointments?

Or chores?

Does s/he forget which key opens the door?

*Does s/he often forget to bring lunch or lunch money to school?
EASILY DISTRACTED BY EXTRANEOUS STIMULI

Distraction from activities requiring concentration. Extraneous stimuli may include looking out of a window, hearing people talking, hearing the television or music. Normal daydreaming usually does not code here, unless it is set off by an external stimulus.

0 = Absent

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.
### N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

### OTHER VARIABLES

**J4OADHD8**: 'Onset age: Easily distracted'

### SAS CODE

```sas
**************SAS Code for PAPA**********************;
if pra9i01 ge 2 then do;
p4nadhd8=1;
p4oadhd8=(agedays-prb5o01);
end;
else if pra9i01 ne . then p4nadhd8=0;

label p4nadhd8='Easily distracted';
label p4oadhd8='Onset age:Easily distracted';

j4nadhd8 = p4nadhd8;
j4oadhd8 = p4oadhd8;

label j4nadhd8='Easily distracted';
label j4oadhd8='Onset age:Easily distracted';
```
**************SAS Code for CAPA**********************;

if yapa ne 1 then do;
    if pra9i01 ge 2 then do;
        p4nadhd8=1;
        p4oadhd8=(agedays-prb5o01);
        *** dne *** pra9o01 ***;
        end;
    else if pra9i01 ne ' ' then p4nadhd8=0;

    label p4nadhd8='Easily distracted';
    label p4oadhd8='Onset age:Easily distracted';

    j4nadhd8 = p4nadhd8;
    j4oahd8 = p4oadhd8;

    label j4nadhd8='Easily distracted';
    label j4oahd8='Onset age:Easily distracted';
end;

**************SAS Code for YAPA**********************;

if yapa = 1 then do;
    if cra9i01 ge 2 then do;
        c4nadhd8=1;
        c4oadhd8=(agedays-crb5o01);
        *** dne *** cra9o01 ***;
        end;
    else if cra9i01 ne ' ' then c4nadhd8=0;

    label c4nadhd8='Easily distracted';
    label c4oadhd8='Onset age:Easily distracted';

    j4nadhd8 = c4nadhd8;
    j4oahd8 = c4oadhd8;

    label j4nadhd8='Easily distracted';
    label j4oahd8='Onset age:Easily distracted';
end;
J4NADHD9: Forgetful

ADHD Variable List

Description

DSM-IV definition: Forgetful.

Informant: 
PAPA- Parent only.  
CAPA- Parent only.  
YAPA- Self-report.

Note:

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Y Y Y Y Y
SAMPLE INTERVIEW SECTION

Definitions and questions

EASILY DISTRACTED BY EXTRANEous STIMULI

"Does s/he have difficulty paying attention when s/he can look out of the window or hear other people talking in the next room?"

"Is s/he easily distracted by things going on around her?"

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
(Is that all the time or just sometimes?)
What about if you ask him/her to pay attention?

FORGETFUL IN DAILY ACTIVITIES

Forgetful in daily activities (e.g., forgetting appointments, leaving the stove when cooking, letting the cat out but not back in, going to a friend’s house for the first time without the address, etc.).

"Is s/he often forgetful in his/her daily activities?"

Can you give me an example?

"Does s/he forget his/her appointments?"

Or chores?
Does s/he forget which key opens the door?

"Does s/he often forget to bring lunch or lunch money to school?"
GLOSSARY NOTES

(Notes from PAPA Glossary)

FORGETFUL IN DAILY ACTIVITIES

Forgetful in daily activities (e.g., forgets to brush teeth or hair; or to do simple chores).

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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<td>.89</td>
<td>11</td>
</tr>
</tbody>
</table>

Missing data notes:
- PAPA: no notes.
- CAPA: raw variable does not exist in GSMS except in waves 7,8. (.L used for other waves)
- YAPA: no notes.

OTHER VARIABLES

J4OADHD9: 'Onset age: Forgetful'
SAS CODE

***************SAS Code for PAPA***************;
   if prc8i01 ge 2 then do;
      p4nadhd9=1;
      p4oadhd9=(agedays-prb5o01);
   end;
   else if prc8i01 ne . then p4nadhd9=0;

label p4nadhd9='Forgetful';
label p4oadhd9='Onset age:Forgetful';

j4nadhd9 = p4nadhd9;
j4oadhd9 = p4oadhd9;

label j4nadhd9='Forgetful';
label j4oadhd9='Onset age:Forgetful';

***************SAS Code for CAPA***************;
if yapa ne 1 then do;

if study='CCC' or
   (study='GSMS' and wave in (7,8)) then do;
   if prc8i01 ge 2 then do;
      p4nadhd9=1;
      p4oadhd9=(agedays-prb5o01);
      *** dne *** prc8o01 ***;
   end;
   else if prc8i01 ne . then p4nadhd9=0;
   end;
else do;
   p4nadhd9=.
   p4oadhd9=.
end;

label p4nadhd9='Forgetful';
label p4oadhd9='Onset age:Forgetful';

j4nadhd9 = p4nadhd9;
j4oadhd9 = p4oadhd9;

label j4nadhd9='Forgetful';
label j4oadhd9='Onset age:Forgetful';

end;

***************SAS Code for YAPA***************;
if yapa = 1 then do;

if crc8i01 ge 2 then do;
   c4nadhd9=1;
   c4oadhd9=(agedays-crb5o01);
   *** dne *** crc8o01 ***;

end;
end;
else if crc8i01 ne . then c4nadhd9=0;
end;
else do;
c4nadhd9=.;
c4oadhd9=.;
end;

label c4nadhd9='Forgetful';
label c4oadhd9='Onset age:Forgetful';

j4nadhd9 = p4nadhd9;
j4oadhd9 = p4oadhd9;

label j4nadhd9='Forgetful';
label j4oadhd9='Onset age:Forgetful';

d;}
DESCRIPTION

DSM-IV definition: Fidgety.

Informant: PAPA- Parent only.
          CAPA- Parent only.
          YAPA- Self-report.

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (school)</td>
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<td>Y</td>
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<tr>
<td>Available (elsewhere)</td>
<td>Y</td>
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</tr>
<tr>
<td>90th % Cutoff</td>
<td>1</td>
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RAW VARIABLE(S)

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<thead>
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<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>pra1i01 (fidgetiness - intensity)</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>pra1i02 (fidgetiness - home)</td>
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<tr>
<td>pra1i03 (fidgetiness - school)</td>
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<tr>
<td>pra1i04 (fidgetiness - elsewhere)</td>
<td>Y</td>
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</table>
SAMPLE INTERVIEW SECTION

FIDGETINESS - SITUATIONAL SPECIFICITY

Rate in the following 3 situations:

a) Fidgetiness while playing or involved in an activity that the child regards as interesting at home.

b) Fidgetiness during the most interesting (or least boring) school lesson

c) Fidgetiness during an interesting activity elsewhere (not at home, not at school)

INTERVIEWER SHOULD USE INFORMATION ALREADY OBTAINED TO MAKE OVERALL RATINGS FOR FIDGETINESS.

You've told me that s/he can be fidgety, like when s/he ....

Are there other times when that happens?

Is it like that everywhere?
At home when doing something that is interesting?
At school during most interesting class?
Elsewhere when doing something interesting?

Can s/he stop him/herself from being like that?
What about if you tell him/her to stop?
Or his/her teacher?
How long can s/he stop for?

When did s/he start being like that?
GLOSSARY NOTES

(Notes from PAPA Glossary)

FIDGETINESS

Unnecessary movements of parts of the body when stationary overall (e.g. tapping of feet, squirming in seat).

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

FIDGETINESS

0 = No

2 = Yes

Other-imposed, Self-imposed or Passive Activities:

S = Screen negative

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

FIDGETINESS- SITUATIONAL SPECIFICITY

Unnecessary movements of parts of the body while stationary overall (e.g. foot-tapping, squirming in seat). This item rates the occurrence of Fidgeting in 3 specific situations, and in activities that the child considers most interesting. Thus, this item evaluates how the child behaves in the 3 different environments under optimal conditions (i.e. in interesting activities, or least boring, which may be more likely to hold a child's attention longer than in uninteresting activities).
2 = At least sometimes uncontrollable by the child or by admonition, in at least two interesting activities in any situation

3 = Almost never controllable by the child or by admonition in most interesting activities

Rate the following 3 situations:

0 = Absent
2 = Present

(a) Fidgeting while playing or involved in an activity that the child regards as interesting at home.

(b) Fidgeting during the most interesting (or least boring) school lesson

(c) Fidgeting during an interesting activity elsewhere (not at home, not at school)

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<th>CAPA Weighted %</th>
<th>N</th>
<th>YAPA Weighted %</th>
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<td>0</td>
<td>0</td>
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<td>.Y</td>
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<td>0</td>
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</tbody>
</table>

Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

OTHER VARIABLES

J4OADHD10: 'Onset age: Fidgety'
**************SAS Code for PAPA***************;

if pra1i01 ge 2 or pra1i02 ge 2 or pra1i03 ge 2 or pra1i04 ge 2 then do;
   p4nadhd10=1;
p4oadhd10=(agedays-pra1o01);
end;
else if pra1i01 ne . or pra1i02 ne . or pra1i03 ne . or pra1i04 ne . then p4nadhd10=0;

label p4nadhd10='Fidgety';
label p4oadhd10='Onset age:Fidgety';

j4nadhd10 = p4nadhd10;
j4oadhd10 = p4oadhd10;

label j4nadhd10='Fidgety';
label j4oadhd10='Onset age:Fidgety';

end;

**************SAS Code for CAPA***************;

if yapa ne 1 then do;
   if pra1i01 ge 2 or pra1i02 ge 2 or pra1i03 ge 2 or pra1i04 ge 2 then do;
      p4nadhd10=1;
p4oadhd10=(agedays-pra1o01);
   end;
   else if pra1i01 ne . or pra1i02 ne . or pra1i03 ne . or pra1i04 ne . then p4nadhd10=0;

label p4nadhd10='Fidgety';
label p4oadhd10='Onset age:Fidgety';

j4nadhd10 = p4nadhd10;
j4oadhd10 = p4oadhd10;

label j4nadhd10='Fidgety';
label j4oadhd10='Onset age:Fidgety';
end;

end;

**************SAS Code for YAPA***************;

if yapa = 1 then do;
   if cra1i01 ge 2 or cra1i02 ge 2 or cra1i03 ge 2 or cra1i04 ge 2 then do;
      c4nadhd10=1;
c4oadhd10=(agedays-cra1o01);
   end;
   else if cra1i01 ne . or cra1i02 ne . or cra1i03 ne . or cra1i04 ne . then c4nadhd10=0;

label c4nadhd10='Fidgety';
label c4oadhd10='Onset age:Fidgety';

j4nadhd10 = c4nadhd10;
j4oadhd10 = c4oadhd10;

label j4nadhd10='Fidgety';
label j4oadhd10='Onset age:Fidgety';

end;
**J4NADHD11: Difficulty remaining seated**

**ADHD Variable List**

**Description**

**Raw Variable(s)**

**CAPA Interview Section**

**Glossary Notes**

**Additional Variables**

**N, Weighted Prevalence, and Missing Data**

**Citations**

**SAS CODE**

**ADHD (symptom list)**

---

**DESCRIPTION**

---

DSM-IV definition: Difficulty remaining seated.

Informant:
- PAPA- Parent only.
- CAPA- Parent only.
- YAPA- Self-report.

Note:

<table>
<thead>
<tr>
<th></th>
<th>PAPA</th>
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<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (home)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Available (school)</td>
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<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
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<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>90th % Cutoff</td>
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<td>1</td>
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</tbody>
</table>

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**RAW VARIABLE(S)**

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<th>2.0.3</th>
<th>CAPA</th>
<th>YAPA</th>
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</thead>
<tbody>
<tr>
<td>pra2i01 (difficulty remaining seated)</td>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
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<tr>
<td>pra2i02 (difficulty remaining seated)</td>
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<td>N</td>
<td>Y</td>
<td>N</td>
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<tr>
<td>pra2i03 (difficulty remaining seated)</td>
<td></td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>pra2i04 (difficulty remaining seated)</td>
<td></td>
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<td>N</td>
<td>N</td>
<td>Y</td>
<td>N</td>
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</tbody>
</table>
DIFFICULTY REMAINING SEATED WHEN REQUIRED (RESTLESSNESS)

*Can s/he usually remain in his/her seat when s/he’s supposed to?

*Does s/he get up much more than other children (young people)?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?
What about if you ask him/her to stop?

How long do you think s/he can remain in his/her seat in an hour?

IF EITHER FIDGETINESS OR DIFFICULTY REMAINING SEATED, COMPLETE REST OF OVERACTIVITY SECTION.
OTHERWISE, SKIP TO INATTENTION (PAGE 181).
GLOSSARY NOTES

(Notes from PAPA Glossary)

DIFFICULTY REMAINING SEATED WHEN REQUIRED

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by child or by admonition.

(Notes from CAPA Glossary)

DIFFICULTY REMAINING SEATED WHEN REQUIRED

0 = No
2 = Yes

N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA Weighted %</th>
<th>N</th>
<th>CAPA Weighted %</th>
<th>N</th>
<th>YAPA Weighted %</th>
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</tr>
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<td>1.69</td>
<td>219</td>
<td>.78</td>
<td>31</td>
</tr>
</tbody>
</table>

Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

OTHER VARIABLES
J4OADHD11:  'Onset age: Difficulty remaining seated'

SAS CODE

**************SAS Code for PAPA**********************;
if pra2i01 ge 2 then do;
  p4nadhd11=1;
  p4oadhd11=(agedays-pra4o01);
  end;
else if pra2i01 ne . then p4nadhd11=0;
label p4nadhd11='Difficulty remaining seated';
label p4oadhd11='Onset age:Difficulty remaining seated';
j4nadhd11 = p4nadhd11;
j4oadhd11 = p4oadhd11;
label j4nadhd11='Difficulty remaining seated';
label j4oadhd11='Onset age:Difficulty remaining seated';

**************SAS Code for CAPA**********************;
if yapa ne 1 then do;
  *** using pra4o01 as onset of restlessness ***;
  *** pra2o01 DNE ***;
  if study='GSMS' and wave in (1,2,3) then do;
    if pra2i02 ge 2 or pra2i03 ge 2 or pra2i04 ge 2 then do;
      p4nadhd11=1;
      p4oadhd11=min(p4oadhd11,(agedays-pra4o01));
      end;
    else if pra2i02 ne '' or pra2i03 ne '' or pra2i04 ne '' then p4nadhd11=0;
    end;
  else do;
    if pra2i01 ge 2 then do;
      p4nadhd11=1;
      p4oadhd11=min(p4oadhd11,(agedays-pra4o01));
      end;
    else if pra2i01 ne '' then p4nadhd11=0;
    end;
label p4nadhd11='Difficulty remaining seated';
label p4oadhd11='Onset age:Difficulty remaining seated';
j4nadhd11 = p4nadhd11;
j4oadhd11 = p4oadhd11;
label j4nadhd11='Difficulty remaining seated';
label j4oadhd11='Onset age:Difficulty remaining seated';
end;

**************SAS Code for YAPA**********************;
if yapa = 1 then do;
  if cra2i01 ge 2 then do;
c4nadhd11=1;
c4oadhd11=min(c4oadhd11,(agedays-cra4o01));
end;
elif cra2i01 ne ' ' then c4nadhd11=0;
end;

label c4nadhd11='Difficulty remaining seated';
label c4oadhd11='Onset age:Difficulty remaining seated';

j4nadhd11 = c4nadhd11;
j4oadhd11 = c4oadhd11;

label j4nadhd11='Difficulty remaining seated';
label j4oadhd11='Onset age:Difficulty remaining seated';

end;
J4NADHD12: Runs about and climbs

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Runs about and climbs.

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA -NA

Note:

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<thead>
<tr>
<th></th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (home)</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Available (school)</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>90th % Cutoff</td>
<td>1</td>
<td>1</td>
<td>N/A</td>
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</table>

RAW VARIABLE(S)

<table>
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<tr>
<th></th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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</table>
SAMPLE INTERVIEW SECTION
Child and Adolescent Psychiatric Assessment

Definitions and questions

RUSHES ABOUT OR CLIMBS ON THINGS EXCESSIVELY (RESTLESSNESS)

*Does s/he run around the house in situations when it’s not appropriate?*

*Or climb on things?*

*Is that more than other children (young people)?*

*Does this happen in any of the activities we talked about?*

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?

ALWAYS ON THE GO

*Would you say s/he was “always on the go”?*

*Or as if s/he were "driven by a motor"?*

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?

Coding rules

RUSHES/CLIMBS EXCESSIVELY

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition

ALWAYS ON THE GO

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition
GLOSSARY NOTES

(Notes from PAPA Glossary)

RUSHES ABOUT OR CLIMBS ON THINGS EXCESSIVELY

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by child or by admonition.

(Notes from CAPA Glossary)

RUSHES ABOUT OR CLIMBS ON THINGS EXCESSIVELY

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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<th>YAPA Weighted %</th>
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<tr>
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Missing data notes:

- PAPA: no notes.
- CAPA: no notes.
- YAPA: no variable (developmentally inappropriate for the YAPA.)
**OTHER VARIABLES**

**J4OADHD12**: 'Onset age: Runs about and climbs'

**SAS CODE**

```
***************SAS Code for PAPA**********************;
if pra3i01 ge 2 then do;
   p4nadhd12=1;
   p4oadhd12=(agedays-pra4o01);
end;
else if pra3i01 ne . then p4nadhd12=0;
label p4nadhd12='Runs about and climbs';
label p4oadhd12='Onset age:Runs about and climbs';
j4nadhd12 = p4nadhd12;
j4oadhd12 = p4oadhd12;
label j4nadhd12='Runs about and climbs';
label j4oadhd12='Onset age:Runs about and climbs';
***************SAS Code for CAPA**********************;
if yapa ne 1 then do;
   *** using pra4o01 as onset of restlessness ***;
   *** pra3o01 DNE ***;
   if pra3i01 ge 2 then do;
      p4nadhd12=1;
      p4oadhd12=min(p4oadhd12,(agedays-pra4o01));
   end;
   else if pra3i01 ne'' then p4nadhd12=0;
label p4nadhd12='Runs about and climbs';
label p4oadhd12='Onset age:Runs about and climbs';
j4nadhd12 = p4nadhd12;
j4oadhd12 = p4oadhd12;
label j4nadhd12='Runs about and climbs';
label j4oadhd12='Onset age:Runs about and climbs';
***************SAS Code for YAPA**********************;
No variable for the YAPA.
```
J4NADHD13: Difficulty doing things quietly

ADHD Variable List

Description

DSM-IV definition: Difficulty doing quietly.

Informant:
PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

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SAMPLE INTERVIEW SECTION

Definitions and questions

**TALKS EXCESSIVELY**

*Do people complain that s/he talks too much?*
*Do you think s/he talks too much?*

What do you do about it?
Does that work?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?

**DIFFICULTY DOING THINGS QUIETLY**

*What happens if s/he’s supposed to be doing things quietly on his/her own?*
*Can s/he do that?*
*Does this happen in any of the activities we talked about?*

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?
GLOSSARY NOTES

(Notes from PAPA Glossary)

DIFFICULTY DOING THINGS QUITELY

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

DIFFICULTY DOING THINGS QUIETLY

2 = Present in at least two activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.
OTHER VARIABLES

J4OADHD13: 'Onset age: Difficulty doing things quietly'

SAS CODE

**************SAS Code for PAPA***************;
if pra6i01 ge 2 then do;
p4nadhd13=1;
   *** dne *** p4oadhd13=(agedays-pra6o01);
   end;
else if pra6i01 ne . then p4nadhd13=0;

label p4nadhd13='Difficulty playing or doing things quietly';
label p4oadhd13='Onset age:Difficulty playing or doing things quietly';

j4nadhd13 = p4nadhd13;
j4oadhd13 = p4oadhd13;

label j4nadhd13='Difficulty playing or doing things quietly';
label j4oadhd13='Onset age:Difficulty playing or doing things quietly';

**************SAS Code for CAPA***************;
if yapa ne 1 then do;
   if pra6i01 ge 2 then do;
p4nadhd13=1;
       *** dne *** p4oadhd13=(agedays-pra6o01);
       end;
else if pra6i01 ne '' then p4nadhd13=0;

label p4nadhd13='Difficulty playing or doing things quietly';
label p4oadhd13='Onset age:Difficulty playing or doing things quietly';

j4nadhd13 = p4nadhd13;
j4oadhd13 = p4oadhd13;

label j4nadhd13='Difficulty playing or doing things quietly';
label j4oadhd13='Onset age:Difficulty playing or doing things quietly';
end;

**************SAS Code for YAPA***************;
if yapa = 1 then do;
   if cra6i01 ge 2 then do;
c4nadhd13=1;
       *** dne *** c4oadhd13=(agedays-cra6o01);
       end;
else if cra6i01 ne '' then c4nadhd13=0;
label c4nadhd13='Difficulty doing quietly';
label c4oadhd13='Onset age:Difficulty doing quietly';

j4nadhd13 = c4nadhd13;
j4oadhd13 = c4oadhd13;

label j4nadhd13='Difficulty playing or doing things quietly';
label j4oadhd13='Onset age:Difficulty playing or doing things quietly';

end;
J4NADHD14: Always on the go

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Always on the go.

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

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RAW VARIABLE(S)

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SAMPLE INTERVIEW SECTION

Definitions and questions

RUSHES ABOUT OR CLIMBS ON THINGS EXCESSIVELY (RESTLESSNESS)

*Does s/he run around the house in situations when it’s not appropriate?

*Or climb on things?

*Is that more than other children (young people)?

*Does this happen in any of the activities we talked about?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?

ALWAYS ON THE GO

*Would you say s/he was "always on the go"?

*Or as if s/he were "driven by a motor"?

What does s/he do?
Is it like that in all activities or just some?

Can s/he stop him/herself?
All the time or just sometimes?

What about if you ask him/her to stop?

Coding rules

RUSHES/CLIMBS EXCESSIVELY
2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition
3 = Present in most activities and almost never controllable by the child or by admonition

ALWAYS ON THE GO
2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition
3 = Present in most activities and almost never controllable by the child or by admonition
GLOSSARY NOTES

(Notes from PAPA Glossary)

ALWAYS ON THE GO

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

ALWAYS ON THE GO

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:

- PAPA: no notes.
- CAPA: not administered in wave 1 (.L used for missings)
- YAPA: no notes.
OTHER VARIABLES

**J4OADHD14:**  'Onset age: Always on the go'

**SAS CODE**

```
***************SAS Code for PAPA***********************;
if prc4i01 ge 2 then do;
p4nadhd14=1;
p4oadhd14=(agedays-pra4o01));
   end;
else if prc4i01 ne . then p4nadhd14=0;

label p4nadhd14='Always on the go';
label p4oadhd14='Onset age:Always on the go';

j4nadhd14 = p4nadhd14;
j4oadhd14 = p4oadhd14;

label j4nadhd14='Always on the go';
label j4oadhd14='Onset age:Always on the go';

***************SAS Code for CAPA***********************;
if yapa ne 1 then do;

   if study='GSMS' and wave=1 then do;
p4nadhd14=.;p4oadhd14=.;
   end;
else do;
   if prc4i01 ge 2 then do;
p4nadhd14=1;
p4oadhd14=min(p4oadhd14,(agedays-pra4o01));
   end;
else if prc4i01 ne ' ' then p4nadhd14=0;
   end;

label p4nadhd14='Always on the go';
label p4oadhd14='Onset age:Always on the go';

j4nadhd14 = p4nadhd14;
j4oadhd14 = p4oadhd14;

label j4nadhd14='Always on the go';
label j4oadhd14='Onset age:Always on the go';

end;

***************SAS Code for YAPA***********************;
if yapa = 1 then do;
```
if study='GSMS' and wave=1 then do;
c4nadhd14=.;
c4oadhd14=.;
end;
else do;
  if crc4i01 ge 2 then do;
    c4nadhd14=1;
    c4oadhd14=min(c4oadhd14,(agedays-cra4o01));
  end;
  else if crc4i01 ne '' then c4nadhd14=0;
end;
label c4nadhd14='Always on the go';
label c4oadhd14='Onset age:Always on the go';

j4nadhd14 = c4nadhd14;
j4oadhd14 = c4oadhd14;

label j4nadhd14='Always on the go';
label j4oadhd14='Onset age:Always on the go';

end;
J4NADHD15: Talks excessively

**ADHD Variable List**

**Description**

**Raw Variable(s)**

**CAPA Interview Section**

**Glossary Notes**

**Additional Variables**

**N, Weighted Prevalence, and Missing Data**

**Citations**

**SAS CODE**

**ADHD (symptom list)**

---

**DESCRIPTION**

---

DSM-IV definition: Talks excessively.

Informant: PAPA- Parent only.
            CAPA- Parent only.
            YAPA- Self-report.

Note:

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**RAW VARIABLE(S)**

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SAMPLE INTERVIEW SECTION

Child and Adolescent Psychiatric Assessment

Definitions and questions

**TALKS EXCESSIVELY**

*Do people complain that s/he talks too much?*

*Do you think s/he talks too much?*

What do you do about it?

Does that work?

What does s/he do?

Is it like that in all activities or just some?

Can s/he stop him/herself?

All the time or just sometimes?

What about if you ask him/her to stop?

**DIFFICULTY DOING THINGS QUIETLY**

*What happens if s/he’s supposed to be doing things quietly on his/her own?*

*Can s/he do that?*

*Does this happen in any of the activities we talked about?*

What does s/he do?

Is it like that in all activities or just some?

Can s/he stop him/herself?

All the time or just sometimes?

What about if you ask him/her to stop?

**Coding rules**

**TALKS EXCESSIVELY**

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition

**DIFFICULTY DOING THINGS QUIETLY**

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition
(Notes from PAPA Glossary)

**TALKS EXCESSIVELY**

Material may also be relevant to pressured speech/more talkative than usual in mania section.

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

**TALKS EXCESSIVELY**

2 = Present in at least two activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

### N, WEIGHTED PREVALENCE, AND MISSING DATA

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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
• YAPA: no notes.

OTHER VARIABLES

J4OADHD15:    'Onset age: Talks excessively'

SAS CODE

**************SAS Code for PAPA**********************;
if pra5i01 ge 2 then do;
p4nadhd15=1;
    *** dne *** p4oadhd15=(agedays-pra5o01);
    end;
else if pra5i01 ne . then p4nadhd15=0;
label p4nadhd15='Talks excessively';
label p4oadhd15='Onset age:Talks excessively';
j4nadhd15 = p4nadhd15;
j4oadhd15 = p4oadhd15;
label j4nadhd15='Always on the go';
label j4oadhd15='Onset age:Always on the go';

**************SAS Code for CAPA**********************;
if yapa ne 1 then do;
if pra5i01 ge 2 then do;
p4nadhd15=1;
    *** dne *** p4oadhd15=(agedays-pra5o01);
    end;
else if pra5i01 ne ' ' then p4nadhd15=0;
label p4nadhd15='Talks excessively';
label p4oadhd15='Onset age:Talks excessively';
j4nadhd15 = p4nadhd15;
j4oadhd15 = p4oadhd15;
label j4nadhd15='Always on the go';
label j4oadhd15='Onset age:Always on the go';
end;

**************SAS Code for YAPA**********************;
if yapa = 1 then do;
if cra5i01 ge 2 then do;
c4nadhd15=1;
*** dne *** c4oadhd15=(agedays-cra5o01);
end;
else if cra5i01 ne ' ' then c4nadhd15=0;

label c4nadhd15='Talks excessively';
label c4oadhd15='Onset age: Talks excessively';

j4nadhd15 = c4nadhd15;
j4oadhd15 = c4oadhd15;

label j4nadhd15='Always on the go';
label j4oadhd15='Onset age: Always on the go';
end;
J4NADHD16: Blurts out answers

**ADHD Variable List**

**Description**

**Raw Variable(s)**

**CAPA Interview Section**

**Glossary Notes**

**Additional Variables**

**N, Weighted Prevalence, and Missing Data**

**Citations**

**SAS CODE**

**ADHD (symptom list)**

---

**DESCRIPTION**

---

DSM-IV definition: Blurts out answers.

Informant:
- PAPA - Parent only.
- CAPA - Parent only.
- YAPA - Self-report.

Note:

<table>
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<td>Available (school)</td>
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<td>Available (elsewhere)</td>
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**RAW VARIABLE(S)**

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SAMPLE INTERVIEW SECTION
Child and Adolescent Psychiatric Assessment

OFTEN BLURTS OUT ANSWERS TO QUESTIONS

*Does s/he tend to blurt out the answers before the person’s finished asking the question?*

How often does that happen?

Can you give me an example?
Did it get him/her into trouble?

Can s/he control it?
What if others say something?

Coding rules

OFTEN BLURTS OUT ANSWERS TO QUESTIONS
2 = Present and at least sometimes uncontrollable by the child or by admonition
3 = Present and almost never controllable by the child or by admonition

Codes

PPBP101
Intensity

Blank box

Blank box
(Notes from PAPA Glossary)

OFTEN BLURTS OUT ANSWERS TO QUESTIONS

0 = Absent

2 = Present and at least sometimes uncontrollable by the child or by admonition

3 = Present and almost never controllable by the child or by admonition

(Notes from CAPA Glossary)

OFTEN BLURTS OUT ANSWERS TO QUESTIONS

2 = Present and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present and almost never controllable either by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

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</table>

Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.
OTHER VARIABLES

J4OADHD16: 'Onset age: Blurts out answers'

SAS CODE

```sas
'**************SAS Code for PAPA***************';
if prb8i01 ge 2 then do;
p4nadhd16=1;
*** prb8o01 dne ***;
p4oadhd16=(agedays-prc3o01);
end;
else if prb8i01 ne . then p4nadhd16=0;
label p4nadhd16='Blurts out answers';
label p4oadhd16='Onset age:Blurts out answers';
j4nadhd16 = p4nadhd16;
j4oadhd16 = p4oadhd16;
label j4nadhd16='Blurts out answers';
label j4oadhd16='Onset age:Blurts out answers';

**************SAS Code for CAPA***************;
if yapa ne 1 then do;
if prb8i01 ge 2 then do;
p4nadhd16=1;
*** prb8o01 dne ***;
p4oadhd16=(agedays-prc3o01);
end;
else if prb8i01 ne ' ' then p4nadhd16=0;
label p4nadhd16='Blurts out answers';
label p4oadhd16='Onset age:Blurts out answers';
j4nadhd16 = p4nadhd16;
j4oadhd16 = p4oadhd16;
label j4nadhd16='Blurts out answers';
label j4oadhd16='Onset age:Blurts out answers';
end;

**************SAS Code for YAPA***************;
if yapa = 1 then do;
if crb8i01 ge 2 then do;
c4nadhd16=1;
*** crb8o01 dne ***;
c4oadhd16=(agedays-crc3o01);
end;
else if crb8i01 ne ' ' then c4nadhd16=0;
```
label c4nadhd16='Blurts out answers';
label c4oadhd16='Onset age:Blurts out answers';

j4nadhd16 = c4nadhd16;
j4oadhd16 = c4oadhd16;

label j4nadhd16='Blurts out answers';
label j4oadhd16='Onset age:Blurts out answers';

end;
J4NADHD17: Difficulty waiting for turn

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Difficulty waiting for turn

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (school)</td>
<td>Y</td>
<td>Y</td>
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</tr>
<tr>
<td>Available (elsewhere)</td>
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</tr>
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RAW VARIABLE(S)

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<tbody>
<tr>
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<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

RAW VARIABLE(S)
IMPULSIVITY

DIFFICULTY WAITING FOR TURN IN GAMES OR IN GROUP SITUATIONS

*Can s/he wait his/her turn for things?

*As well as most children?

Why does she push in?
Does it get him/her in trouble?

Can s/he control it?
What if others say something?

Coding rules

DIFFICULTY WAITING FOR TURN

2 = Present in at least 2 activities and at least sometime uncontrollable by the child or by admonition

3 = Present in most activities and almost never controllable by the child or by admonition
GLOSSARY NOTES

(Notes from PAPA Glossary)

DIFFICULTY WAITING FOR TURN IN GAMES OR IN GROUP SITUATIONS

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.

3 = Present in most activities and almost never controllable by the child or by admonition.

(Notes from CAPA Glossary)

DIFFICULTY WAITING FOR TURN IN GAMES OR IN GROUP SITUATIONS

2 = Present in at least two activities and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present in most activities and almost never controllable either by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA Weighted %</th>
<th>N</th>
<th>CAPA Weighted %</th>
<th>N</th>
<th>YAPA Weighted %</th>
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</table>

Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.
**OTHER VARIABLES**

**J4OADHD17:**  'Onset age: Difficulty waiting for turn'

**SAS CODE**

```
***************SAS Code for PAPA***********************;
if prb7i01 ge 2 then do;
p4nadhd17=1;
*** prb7o01 dne ***;
p4oadhd17=(agedays-prc3001);
end;
else if prb7i01 ne . then p4nadhd17=0;

label p4nadhd17='Difficulty waiting for turn';
label p4oadhd17='Onset age:Difficulty waiting for turn';

label p4nadhd17='Blurts out answers';
label p4oadhd17='Onset age:Blurts out answers';

j4nadhd17 = p4nadhd17;
j4oadhd17 = p4oadhd17;

label j4nadhd17='Difficulty waiting for turn';
label j4oadhd17='Onset age:Difficulty waiting for turn';

***************SAS Code for CAPA***********************;
if yapa ne 1 then do;

if prb7i01 ge 2 then do;
p4nadhd17=1;
*** prb7o01 dne ***;
p4oadhd17=(agedays-prc3001);
end;
else if prb7i01 ne ' ' then p4nadhd17=0;

label p4nadhd17='Blurts out answers';
label p4oadhd17='Onset age:Blurts out answers';

j4nadhd17 = p4nadhd17;
j4oadhd17 = p4oadhd17;

label j4nadhd17='Difficulty waiting for turn';
label j4oadhd17='Onset age:Difficulty waiting for turn';
end;

***************SAS Code for YAPA***********************;
if yapa = 1 then do;
```
if crb7i01 ge 2 then do;
c4nadhd17=1;
*** crb7o01 dne ***;
c4oadhd17=(agedays-crc3o01);
end;
else if crb7i01 ne ' ' then c4nadh17=0;

label c4nadh17="Difficulty waiting for turn";
label c4oadhd17="Onset age:Difficulty waiting for turn";

j4nadh17 = c4nadh17;
j4oadhd17 = c4oadhd17;

label j4nadh17="Difficulty waiting for turn";
label j4oadhd17="Onset age:Difficulty waiting for turn";

end;
J4NADHD18: Interrupts or intrudes

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Interrupts or intrudes.

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

<table>
<thead>
<tr>
<th></th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (home)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Available (school)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>90th % Cutoff</td>
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<td>1</td>
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RAW VARIABLE(S)

<table>
<thead>
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<th>1.3</th>
<th>PAPA</th>
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<th>CAPA</th>
<th>2.0.3</th>
<th>YAPA</th>
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<tbody>
<tr>
<td>prclii01 (often interrupts or intrudes on others)</td>
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<td>Y</td>
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</tr>
</tbody>
</table>

SAMPLE INTERVIEW SECTION
IMPULSIVITY
DIFFICULTY WAITING FOR TURN IN GAMES OR IN GROUP SITUATIONS

Distinguish from normative eagerness.

Can s/he wait his/her turn for things?
As well as most children his/her age?

At daycare/school can s/he stand in line with the other children?
Or participate in circle time?
At home can s/he wait his/her turn during a game?
Why does s/he push in?
Does it get him/her in trouble?
Can s/he control it?
What if others say something?

OFTEN BLURTS OUT ANSWERS TO QUESTIONS

Does s/he tend to blurt out the answers before the person’s finished asking the question?

How often does that happen?
Can you give me an example?
Did it get him/her into trouble?
Can s/he stop if s/he wants to?
What if others say something?

Coding rules

DIFFICULTY WAITING FOR TURN

0 = Absent
2 = Present in at least 2 activities and at least sometimes uncontrollable by the child or by admonition.
3 = Present in most activities and almost never controllable by the child or by admonition.

OFTEN BLURTS OUT ANSWERS TO QUESTIONS

0 = Absent
2 = Present and at least sometimes uncontrollable by the child or by admonition.
3 = Present and almost never controllable by the child or by admonition.
OFTEN INTERRUPTS OR INTRUDES ON OTHERS

*Does s/he tend to interrupt other people when they’re talking to someone else?

*What about butting into games without being invited to join in?

How often does that happen?
Does it happen as much as half of the time?

Can you give me an example?
Is it like that everywhere or only at home/school/elsewhere?

Can s/he stop him/herself?
What if others say something?
GLOSSARY NOTES

(Notes from PAPA Glossary)

OFTEN INTERRUPTS OR INTRUDES ON OTHERS

0 = Absent

2 = Present and at least sometimes uncontrollable by the child or by admonition

3 = Present and almost never controllable by the child or by admonition

(Notes from CAPA Glossary)

OFTEN INTERRUPTS OR INTRUDES ON OTHERS

2 = Present and at least sometimes uncontrollable by the child him/herself or by admonition.

3 = Present and almost never controllable either by the child or by admonition.

N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA Weighted %</th>
<th>N</th>
<th>CAPA Weighted %</th>
<th>N</th>
<th>YAPA Weighted %</th>
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</tbody>
</table>

Missing data notes:

- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.
OTHER VARIABLES

J4OADHD18: 'Onset age: Interrupts or intrudes'

SAS CODE

*************SAS Code for PAPA**************;
if prc1i01 ge 2 or prc2i01 ge 2 then do;
p4nadhd18=1;
*** prc1o01 dne ***;
p4oadhd18=(agedays-prc3o01);
end;
else if prc1i01 ne . or prc2i01 ne . then p4nadhd18=0;
label p4nadhd18='Interrupts or intrudes';
label p4oadhd18='Onset age: Interrupts or intrudes';

j4nadhd18 = p4nadhd18;
j4oadhd18 = p4oadhd18;
label j4nadhd18='Interrupts or intrudes';
label j4oadhd18='Onset age: Interrupts or intrudes';

*************SAS Code for CAPA**************;
if yapa ne 1 then do;
if prc1i01 ge 2 then do;
p4nadhd18=1;
*** prc1o01 dne ***;
p4oadhd18=(agedays-prc3o01);
end;
else if prc1i01 ne ' ' then p4nadhd18=0;
label p4nadhd18='Interrupts or intrudes';
label p4oadhd18='Onset age: Interrupts or intrudes';

j4nadhd18 = p4nadhd18;
j4oadhd18 = p4oadhd18;
label j4nadhd18='Interrupts or intrudes';
label j4oadhd18='Onset age: Interrupts or intrudes';
end;

*************SAS Code for YAPA**************;
if yapa = 1 then do;
if crc1i01 ge 2 then do;
c4nadhd18=1;
*** crc1o01 dne ***;
c4oadhd18=(agedays-crc3o01);
end;
else if crc1i01 ne ' ' then c4nadhd18=0;
label c4nadhd18 = 'Interructs or intrudes';
label c4oadhd18 = 'Onset age:Interructs or intrudes';

j4nadhd18 = c4nadhd18;
j4oadhd18 = c4oadhd18;

label j4nadhd18 = 'Interructs or intrudes';
label j4oadhd18 = 'Onset age:Interructs or intrudes';

end;
J4NADHD19: (Propositional) Feelings of inner restlessness

ADHD Variable List

Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Feelings of inner restlessness

Informant: PAPA- Not available.
CAPA- Not available.
YAPA –Child only

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (school)</td>
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</tr>
<tr>
<td>Available (elsewhere)</td>
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RAW VARIABLE(S)

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<tbody>
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<td>2.0.3</td>
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</tr>
<tr>
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<td>N</td>
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</tbody>
</table>

NOTE: find variable name, interview section is incorrect.
SAMPLE INTERVIEW SECTION

YAPA (GSMS) 2.0.0

Definitions and questions

DIFFICULTY REMAINING SEATED WHEN REQUIRED (RESTLESSNESS)
Often leaves seat in situations in which remaining seated is expected.

Can she usually remain in his/her seat when she's supposed to?
Like at dinner?
Or to do a project at daycare/school?
Does s/he get up much more than other children his/her age?

What does s/he do?
Is it like that in all activities?
Or just some activities?

FEELINGS OF INNER RESTLESSNESS
Do you sometimes feel restless?
Or that you manage to sit still but you feel like you need to burst out of the situation?

IF EITHER FIDGETINESS OR DIFFICULTY REMAINING SEATED, OR FEELINGS OF INNER RESTLESSNESS, COMPLETE REST OF SECTION. OTHERWISE, SKIP TO "DIFFICULTY CONCENTRATING ON TASKS REQUIRING SUSTAINED ATTENTION ", (PAGE 8).

Coding rules

DIFFICULTY REMAINING SEATED SCREEN POSITIVE

0 = Absent
2 = Present in at least 2 activities and at least sometimes uncontrollable by the subject or by admonition.
3 = Present in most activities and almost never controllable by the subject or by admonition.

RUSHES/CLIMBS EXCESSIVELY

0 = Absent
2 = Present in at least 2 activities and at least sometimes uncontrollable by the subject or by admonition.
3 = Present in most activities and almost never controllable by the subject or by admonition.
N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA Weighted %</th>
<th>N</th>
<th>CAPA Weighted %</th>
<th>N</th>
<th>YAPA Weighted %</th>
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</table>

Missing data notes:
- PAPA: no variable
- CAPA: no variable
- YAPA: no notes

OTHER VARIABLES

J4OADHD19: 'Onset age: Feelings of inner restlessness'

SAS CODE

```sas
***************SAS Code for YAPA***************;
if yapa = 1 then do;
ifcrc9i01 ge 2 then do;
c4nadhd19=1;
c4oadhd19=(agedays-crc9o01);
end;
else ifcrc9i01 ne ' ' then c4nadhd19=0;
label c4nadhd19='Feelings of inner restlessness';
```
label c4oadhd19='Onset age: Feelings of inner restlessness ';
end;

j4nadhd19 = c4nadhd19;
j4oadhd19 = c4oadhd19;

label j4nadhd19='Feelings of inner restlessness';
label j4oadhd19='Onset age: Feelings of inner restlessness ';
J4NADHD20: (Propositional) Need for spontaneous movement

ADHD Variable List

Description

Raw Variable(s)

CAPA Interview Section

Glossary Notes

ADHD (symptom list)

ADHD Variable List

Description

Raw Variable(s)

CAPA Interview Section

Glossary Notes

ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Need for spontaneous movement

Informant: PAPA- Not available.
CAPA- Not available.
YAPA –Child only

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (school)</td>
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<td>Y</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
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<td>N/A</td>
<td>Y</td>
</tr>
<tr>
<td>90th % Cutoff</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
</tbody>
</table>

RAW VARIABLE(S)

<table>
<thead>
<tr>
<th>crd0i01 (Need for spontaneous movement)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>1.4</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
### SAMPLE INTERVIEW SECTION

**Definitions and questions**

**TALKS EXCESSIVELY**

*Do people complain that s/he talks too much?*

*Do you think s/he talks too much?*

**Coding rules**

<table>
<thead>
<tr>
<th>PRA3101</th>
<th>Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = Absent</td>
<td></td>
</tr>
<tr>
<td>2 = Present in at least 2 activities and at least sometimes uncontrollable by the subject or by admonition.</td>
<td></td>
</tr>
<tr>
<td>3 = Present in most activities and almost never controllable by the subject or by admonition.</td>
<td></td>
</tr>
</tbody>
</table>

**DIFFICULTY DOING THINGS QUIETLY**

*Often has difficulty playing or engaging in leisure activities quietly.*

*What happens if s/he’s supposed to be doing things quietly?*

*Can s/he do that?*

*Does s/he have a hard time doing things quietly in any of these activities we talked about?*

**Coding rules**

<table>
<thead>
<tr>
<th>PRA601</th>
<th>Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = Absent</td>
<td></td>
</tr>
<tr>
<td>2 = Present in at least 2 activities and at least sometimes uncontrollable by the subject or by admonition.</td>
<td></td>
</tr>
<tr>
<td>3 = Present in most activities and almost never controllable by the subject or by admonition.</td>
<td></td>
</tr>
</tbody>
</table>

**NEED FOR SPONTANEOUS MOVEMENT**

*Expresses preference for activities allowing spontaneous movement, but need for spontaneous movement does not influence participation or choice of activity.*

**Coding rules**

<table>
<thead>
<tr>
<th>Ever.CRD901</th>
<th>Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = Subject has avoided at least two activities because they don’t allow for spontaneous movement.</td>
<td></td>
</tr>
<tr>
<td>3 = Need for spontaneous movement has influenced important decisions such as attendance at college or job choice.</td>
<td></td>
</tr>
</tbody>
</table>
Glossary Notes

No glossary notes.

N, Weighted Prevalence, and Missing Data

<table>
<thead>
<tr>
<th>Missing (total)</th>
<th>PAPA %</th>
<th>N</th>
<th>CAPA %</th>
<th>N</th>
<th>YAPA %</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>.</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>.23</td>
<td>8</td>
</tr>
<tr>
<td>.C</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>.23</td>
<td>8</td>
</tr>
<tr>
<td>.Y</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<td>0</td>
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<tr>
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<td>.52</td>
<td>21</td>
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</table>

Missing data notes:
- PAPA: no variable
- CAPA: no variable
- YAPA: no notes

Other Variables

J4OADHD20: 'Onset age: Need for spontaneous movement'

SAS Code

```sas
***************SAS Code for YAPA***************;

if yapa = 1 then do;
if crd0i01 ge 2 then do;
c4nadhd20=1;
c4oadhd20=(agedays-crdo01);
end;
else if crd0i01 ne ' ' then c4nadhd20=0;
label c4nadhd20='Need for spontaneous movement';
```
\texttt{label c4oadhd20='Onset age: Need for spontaneous movement';}

\texttt{j4nadhd20 = c4nadhd20;}
\texttt{j4oadhd20 = c4oadhd20;}

\texttt{label j4nadhd20='Need for spontaneous movement';}
\texttt{label j4oadhd20='Onset age: Need for spontaneous movement';}

\texttt{end;}
J4NADHD21: (Propositional) Impatience

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Impatience

Informant: PAPA- Not available.
CAPA- Not available.
YAPA –Child only

Note:

<table>
<thead>
<tr>
<th></th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (home)</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
</tr>
<tr>
<td>Available (school)</td>
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<td>N/A</td>
<td>Y</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
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<td>Y</td>
</tr>
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<td>90th % Cutoff</td>
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RAW VARIABLE(S)

<table>
<thead>
<tr>
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<th>PAPA</th>
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<th>YAPA</th>
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</thead>
<tbody>
<tr>
<td>crd1i01 (impatience)</td>
<td>1.3</td>
<td>1.4</td>
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<tr>
<td></td>
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</table>
SAMPLE INTERVIEW SECTION

Definitions and questions

**IMPULSIVITY**

DIFFICULTY WAITING FOR TURN IN GAMES OR IN GROUP SITUATIONS

Distinguish from normative eagerness.

Can s/he wait his/her turn for things?

As well as most children his/her age?

At daycare/school can s/he stand in line with the other children?

Or participate in circle time?

At home can s/he wait his/her turn during a game?

Why does s/he push in?

Does it get him/her in trouble?

Can s/he control it?

What if others say something?

**IMPATIENCE**

Inability to wait patiently or tolerate delay causes negative outcomes. Implies lack of self-control rather than intolerance of intelligence of others or irritability, which is coded elsewhere. Do not code successful proactive behavior.

Has anyone ever told you that you were impatient?

Do you agree with that?

Can you give me an example?

When else have you acted like that?

Are you more impatient than others your age?

**OFTEN BLURTS OUT ANSWERS TO QUESTIONS**

Does s/he tend to blurt out the answers before the person’s finished asking the question?

How often does that happen?

Can you give me an example?

Did it get him/her into trouble?

Can s/he stop if s/he wants to?

What if others say something?

Coding rules

**DIFFICULTY WAITING FOR TURN**

PRB7101

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the subject or by admonition.

3 = Present in most activities and almost never controllable by the subject or by admonition.

**IMPATIENCE**

CRDI101

0 = Absent

2 = Present in at least 2 activities and at least sometimes uncontrollable by the subject or by admonition.

3 = Present in most activities and almost never controllable by the subject or by admonition.

**OFTEN BLURTS OUT ANSWERS TO QUESTIONS**

PRB8301

0 = Absent

2 = Present and at least sometimes uncontrollable by the child or by admonition.

3 = Present and almost never controllable by the child or by admonition.
N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
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<th>YAPA</th>
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<td>Weighted</td>
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<td>27</td>
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<td>0</td>
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<tr>
<td>.Y</td>
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</tbody>
</table>

Missing data notes:
- PAPA: no variable
- CAPA: no variable
- YAPA: no notes

OTHER VARIABLES

J4OADHD21: 'Onset age: Impatience'

SAS CODE

**********SAS Code for YAPA**********;

    if yapa = 1 then do;
    if crd1i01 ge 2 then do;
        c4nadhd21=1;
        c4oadhd21=(agedays-crd1o01);
        end;
    else if crd1i01 ne '' then c4nadhd21=0;
    label c4nadhd21='Impatience';
label c4oadhd21='Onset age: Impatience';
j4nadhd21 = c4nadhd21;
j4oadhd21 = c4oadhd21;

label j4nadhd21='Impatience';
label j4oadhd21='Onset age: Impatience';

end;
J4NADHD22: (Propositional) Acting before considering potentially dangerous consequences

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Acting before considering potentially dangerous consequences

Informant: PAPA- Not available.
CAPA- Not available.
YAPA –Child only

Note:

<table>
<thead>
<tr>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (home)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Available (school)</td>
<td>N/A</td>
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</tr>
<tr>
<td>Available (elsewhere)</td>
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<td>N/A</td>
</tr>
<tr>
<td>90th % Cutoff</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

RAW VARIABLE(S)

<table>
<thead>
<tr>
<th>crd3i01 (acting before considering potentially dangerous consequences)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.3</td>
<td>1.4</td>
<td>2.0.3</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>
SAMPLE INTERVIEW SECTION

ACCIDENT PRONE
Prone to accidents or injury because of IMPULSIVE action rather than CLUMSINESS.

Do you think X is "accident-prone"?
Is this because s/he rushes things?
Or does things suddenly?
Does s/he seem to break things more than others do?
Or knock things over or spill things a lot?
Is s/he the one that usually gets hurt when things happen?
Does s/he tend to get injured more often than other kids?

ACTING BEFORE CONSIDERING POTENTIALLY DANGEROUS CONSEQUENCES
Impulsive actions lead to doing something dangerous. Code only if didn't think through possible consequences. If subject realized danger and decided to risk it, code under Taking Risk Despite Knowing Consequences.

Have you done something that seemed really stupid afterward because you hadn't thought of the negative consequences?
Was it dangerous?
Can you give me an example?
N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weighted</td>
<td>N</td>
<td>Weighted</td>
</tr>
<tr>
<td>%</td>
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<tr>
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<td></td>
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<tr>
<td>.</td>
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<td>N/A</td>
</tr>
<tr>
<td>.C</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>.Y</td>
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<td>N/A</td>
</tr>
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<td>N/A</td>
</tr>
</tbody>
</table>

Missing data notes:
- PAPA: no variable
- CAPA: no variable
- YAPA: no notes

OTHER VARIABLES

J4OADHD22:'Onset age: Acting before considering potentially dangerous consequences'

SAS CODE

```
**************SAS Code for YAPA**************;

if yapa = 1 then do;

if crd3io1 ge 2 then do;
c4nadhd22=1;
c4oadhd22=(agedays-crd3o01);
end;

else if crd3io1 ne '' then c4nadhd22=0;
label c4nadhd22='Acting before considering potentially dangerous consequences';
```
label c4oadhd22='Onset age: Acting before considering potentially dangerous consequences';

j4nadhd22  =  c4nadhd22;
j4oadhd22  =  c4oadhd22;

label j4nadhd22='Acting before considering potentially dangerous consequences';
label j4oadhd22='Onset age: Acting before considering potentially dangerous consequences';

end;
J4NADHD23: (Propositional) Accident prone

ADHD Variable List
Description
Raw Variable(s)
CAPA Interview Section
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE
ADHD (symptom list)

DESCRIPTION

DSM-IV definition: Accident prone

Informant: PAPA- Not available.
CAPA- Not available.
YAPA –Child only

Note:

<table>
<thead>
<tr>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (home)</td>
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<td>N/A</td>
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<tr>
<td>Available (school)</td>
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<td>N/A</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
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</tr>
<tr>
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RAW VARIABLE(S)

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<tr>
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<th>YAPA</th>
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<tbody>
<tr>
<td></td>
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<td>2.0.3</td>
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<tr>
<td></td>
<td>N</td>
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</tr>
</tbody>
</table>
SAMPLE INTERVIEW SECTION

ACCIDENT PRONE

Prone to accidents or injury because of IMPULSIVE action rather than CLUMSINESS.

Do you think X is "accident-prone"?
Is this because s/he rushes things?
Or does things suddenly?
Does s/he seem to break things more than others do?
Or knock things over or spill things a lot?
Is s/he the one that usually gets hurt when things happen?
Does s/he tend to get injured more often than other kids?

ACTING BEFORE CONSIDERING POTENTIALLY DANGEROUS CONSEQUENCES

Impulsive actions lead to doing something dangerous. Code only if didn't think through possible consequences. If subject realized danger and decided to risk it, code under Taking Risk Despite Knowing Consequences.

Have you done something that seemed really stupid afterward because you hadn't thought of the negative consequences?
Was it dangerous?
Can you give me an example?

Coding rules

ACCIDENT PRONE

0 = Absent
2 = Mildly accident prone in at least 2 activities.
3 = Accident prone in most activities.

ITEM 1702 LIST

0 = Absent
2 = Present in at least two activities.
3 = Present in most activities.
GLOSSARY NOTES

No glossary notes.

N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA Weighted %</th>
<th>N</th>
<th>CAPA Weighted %</th>
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</table>

Missing data notes:
- PAPA: no variable
- CAPA: no variable
- YAPA: no notes

OTHER VARIABLES

J4OADHD23: 'Onset age: Accident prone

SAS CODE

***************SAS Code for YAPA***************;

if yapa = 1 then do;

if crc2i01 ge 2 then do;
c4nadhd23=1;
c4oadhd23=(agedays-crc2o01);
end;

else if crc2i01 ne . then c4nadhd23=0;
label c4nadhd23='Accident prone';
label c4oadhd23='Onset age: Accident prone';
j4nadhd23 = c4nadhd23;
j4oadhd23 = c4oadhd23;

label j4nadhd23='Accident prone';
label j4oadhd23='Onset age: Accident prone';

end;
DESCRIPTION

DSM-IV definition: Difficulty in delaying gratification

Informant: PAPA- Not available.
CAPA- Not available.
YAPA –Child only

Note:

<table>
<thead>
<tr>
<th>Available (home)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available (school)</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
</tr>
<tr>
<td>Available (elsewhere)</td>
<td>N/A</td>
<td>N/A</td>
<td>Y</td>
</tr>
<tr>
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RAW VARIABLE(S)

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<th>YAPA</th>
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</thead>
<tbody>
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<td>N</td>
<td>N</td>
</tr>
<tr>
<td>1.4</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>2.0.3</td>
<td>N</td>
<td>N</td>
<td>Y</td>
</tr>
</tbody>
</table>
## SAMPLE INTERVIEW SECTION

### Definitions and questions

**OFTEN INTERRUPTS OR INTRUDES ON OTHERS**

Distinguish from normative eagerness and excitement and desire to participate in social interactions.

*Does s/he tend to interrupt other people when they’re talking to someone else?*

*What about butting into games without being invited to join in?*

- How often does that happen?
- Does it happen as much as half of the time?
- Can you give me an example?
- Is it like that everywhere?
- Or only at home?
- Or daycare/school?
- Or elsewhere?
- Can s/he stop him/herself?
- What if others say something?

### Coding rules

**OFTEN INTERRUPTS OR INTRUDES ON OTHERS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>Absent</td>
</tr>
<tr>
<td>2</td>
<td>Present and at least sometimes uncontrollable by the child or by admonition.</td>
</tr>
<tr>
<td>3</td>
<td>Present and almost never controllable by the child or by admonition.</td>
</tr>
</tbody>
</table>

**DIFFICULTY IN DELAYING GRATIFICATION**

**IF IMPULSIVITY ABSENT, SKIP TO "ACCESS TO WEAPONS", (PAGE ERROR! BOOKMARK NOT DEFINED.).**

---

### Codes

**ITEM 17625 LIST**

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<tr>
<td>2</td>
<td>Needs immediate gratification in at least 2 activities.</td>
</tr>
<tr>
<td>3</td>
<td>Needs immediate gratification in most activities.</td>
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</table>
N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA Weighted</th>
<th>N</th>
<th>CAPA Weighted</th>
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<th>YAPA Weighted</th>
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</table>

Missing data notes:
- PAPA: no variable
- CAPA: no variable
- YAPA: no notes

OTHER VARIABLES

J4OADHD24: 'Onset age: Difficulty in delaying gratification'

SAS CODE

***************SAS Code for YAPA***************;
if yapa = 1 then do;
if crd4i01 ge 2 then do;
c4nadhd24=1;
c4oadhd24=(agedays-crd4o01);
end;
else if crd4i01 ne '' then c4nadhd24=0;
label c4nadhd24='Difficulty delaying gratification';
label c4oadhd24='Onset age: Difficulty delaying gratification';

j4nadhd24 = c4nadhd24;
j4oadhd24 = c4oadhd24;

label j4nadhd24='Difficulty delaying gratification';
label j4oadhd24='Onset age: Difficulty delaying gratification';

end;
Definition:

A. Six or more of the following symptoms of inattention have persisted for at least 6 months to a degree that is maladaptive and inconsistent with developmental level:

Inattention.

(a) often fails to give close attention to details or makes careless mistakes in schoolwork, work, or other activities.

(b) often has difficulty sustaining attention in tasks or play activities.

(c) often does not seem to listen when spoken to directly.

(d) 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).

(e) often has difficulty organizing tasks and activities.

(f) often avoids, dislikes, or is reluctant to engage in tasks that require sustained mental effort (such as schoolwork or homework).
(g) often loses things necessary for tasks or activities (eg.,
tous, school assignments, pencils, books, or tools).

(h) is often easily distracted by extraneous stimuli.

(i) is often forgetful in daily activities.

B. Some hyperactive-impulsive or inattentive symptoms that caused
impairment were present before age 7 years.

C. Some impairment from the symptoms is present in two or more settings
(eg., at school[or work] and at home).

D. There must be clear evidence of clinically significant impairment
in social, academic, or occupational functioning.

E. The symptoms do not occur exclusively during the course of a
Pervasive Developmental Disorder, Schizophrenia, or other
Psychotic Disorder and are not better accounted for by another
mental disorder(eg., Mood Disorder, Anxiety Disorder, Dissociative
Disorder, or a Personality Disorder).

Informant: Parent.

Note:

<table>
<thead>
<tr>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
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### SYMPTOM VARIABLE(S)

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<th>YAPA</th>
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<tr>
<td><strong>j4nadhd1</strong> (Fails to pay attention to details)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd2</strong> (Difficulty concentrating on tasks)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd3</strong> (Doesn’t seem to listen)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd4</strong> (Not follow instruction, fails to finish)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd5</strong> (Difficulty organizing tasks, activities)</td>
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<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd6</strong> (Avoids sustained mental effort)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd7</strong> (Often loses things)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd8</strong> (Easily distracted)</td>
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<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td><strong>j4nadhd9</strong> (Forgetful)</td>
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</tbody>
</table>

### GLOSSARY NOTES

**INATTENTION**

Inattention refers to failure to maintain involvement on age- and developmental stage-appropriate tasks sufficiently to allow their proper completion.

If the parent or teacher has developed specific routines for assisting the child in completing tasks (for instance, by simplifying instructions or repeating them frequently, or placing the child out of contact with all external stimuli), those routines constitute evidence of the presence of a codable problem.

### N, WEIGHTED PREVALENCE, AND MISSING DATA

<table>
<thead>
<tr>
<th></th>
<th>PAPA</th>
<th></th>
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</tbody>
</table>
Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

OTHER VARIABLES

\[ J4SADHDI = \text{‘Number of inattention symptoms’} \]
\[ J4OADHDI = \text{‘Onset age: Inattention symptoms’} \]
\[ J4DADHDI = \text{‘Onset age: Inattention diagnosis’} \]

SAS CODE

**************SAS Code for PAPA**************;
*** Inattention ***;
p4nadhd1=sum(of p4nadhd1-p4nadhd9);
p4oadhd1=min(of p4oadhd1-p4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p41adhdi p4oadhd1-p4oadhd9;
array p4xadhdi p4xadhdi1-p4xadhdi9;
if p4nadhd1 ge 6 then do;
do over p41adhdi;
p4xadhdi=p41adhdi;
end;
do i=1 to 6;
p4dadhd1=min(of p4xadhdi1-p4xadhdi9);
if i<6 then do over p4xadhdi;
  if p4dadhd1=p4xadhdi and p4dadhd1^=. then do;
p4dadhd1=.;
p4xadhdi=.;
end;
end;
end;
drop p4xadhdi1-p4xadhdi9;
label p4nadhdhi='# of 9 possible inattention symptoms';
label p4_adhd='6 or more of 9 inattention symptoms'
label p4oadhdhi='Onset age:inattention symptoms';
label p4dadhdhi='Onset age:inattention diagnosis (6 or more out of 9 symptoms)';

*** hyperactivity ***;

p4nadhdh=sum(of p4nadhd10-p4nadhd15);
p4oadhdh=min(of p4oadhd10-p4oadhd15);

label p4nadhdh='N of 6 DSM-IV hyperactive symptoms';
label p4oadhdh='Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;

p4nadhdImp=sum(of p4nadhd16-p4nadhd18);
p4oadhdImp=min(of p4oadhd16-p4oadhd18);

label p4nadhdImp='# of 3 impulsive symptoms';
label p4oadhdImp='Onset age: of first impulsive symptoms';

p4nadhdhi=sum(of p4nadhdh p4nadhdImp);
p4oadhdhi=min(of p4oadhdh p4oadhdImp);

label
 p4nadhdhi='# of 9 hyper/impulsive symptoms'
P4oadhdhi='onset age hyper/impulsive symptoms'

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array p41adhd p4oadhd10-p4oadhd18;
array p4xadhd p4xadhd10-p4xadhd18;

if p4nadhdhi ge 6 then do;
    do over p41adhd;
        p4xadhd=p41adhd;
    end;
    do i=1 to 6;
        p4dadhdhi=min(of p4xadhd10-p4xadhd18);
        if i<6 then do over p4xadhd;
            if p4dadhdhi=p4xadhd and p4dadhdhi^=. then do;
                p4dadhdhi=.;
                p4xadhd=.;
            end;
        end;
    end;
    drop p4xadhd10-p4xadhd18;

label p4nadhdhi='# of 9 hyper/impulsive symptoms';
label p4oadhdhi='Onset age:hyper/impulsive symptoms';
label p4dadhdhi='Onset age:hyper/impulsive diagnosis';

if p4_adhd=1 or p4_adhdhi=1 or p4_adhdci=1 then do;
p4_adhd=1;
p4oadhd=min(p4oadhdhi,p4oadhdhi,p4oadhdci);
p4dadhd=min(p4dadhdhi,p4dadhdhi,p4dadhdci);
end;
else if p4_adhdi ne . or p4_adhdhi ne . or 
  p4_adhdc ne . then p4_adhd=0;

  label p4_adhd='any ADHD with onset, no duration criteria';

*** create impairment in two situations criterion ***;

p4nsith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);
  if     p4nsith ge 1 then p4_sith=1;
  else if p4nsith ne . then p4_sith=0;

  label p4nsith='# ADHD impairments: home (scale 0-8)';
  label p4_sith='any ADHD impairment in the home';

p4nsits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);
  if     p4nsits ge 1 then p4_sits=1;
  else if p4nsits ne . then p4_sits=0;

  label p4nsits='# ADHD impairments: school/daycare (scale 0-8)';
  label p4_sits='any ADHD impairment in school';

p4nsite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);
  if     p4nsite ge 1 then p4_site=1;
  else if p4nsite ne . then p4_site=0;

  label p4nsite='# impairments: elsewhere (scale 0-8)';
  label p4_site='any ADHD impairment elsewhere';

  if     sum(p4_sith, p4_sits, p4_site)>= 2 then pnadhinc=1;
  else if p4_sith ne . or p4_sits ne . or p4_site ne . then pnadhinc=0;

  label pnadhinc='ADHD impairment in two or more settings';

***Combined ADHD***;

  if p4nadhi ge 6 and p4nadhdhi ge 6 
    then do;
      p4_adhdc=1;
      p4oadhdc=max(p4oadhdi,p4oadhdhi);
      p4dadhdci=max(p4dadhdii,p4dadhdhi);
    end;
  else if p4nadhi ne . or p4nadhdhi ne . then p4_adhdc=0;

  label p4_adhdc='Combined type ADHD: inatt. + hyper/impulsive, no duration criteria';
  label p4oadhdc='Onset age: symptoms Combined type ADHD: inatt. + hyper/impulsive, no duration criteria';
  label p4dadhdci='Onset age: diagnosis Combined type ADHD: inatt. + hyper/impulsive, no duration criteria';

  if p4nadhi ge 6 and p4nadhdhi ge 6 and 
    (prb5o01 ge 182 or pral001 ge 182 or 
     prc3o01 ge 182 or prao001 ge 182) 
    then do;
      p4l_adhdc=1;
p4loadhdc=max(p4oadhd1,p4oadhdhi);
p4ldadhdc=max(p4dadhd1,p4dadhdhi);
end;
else if p4nadhd1 ne . or p4nadhdhi ne . then p4l_adhdc=0;

label p4l_adhdc='Combined type ADHD:inatt. + hyper/impulsive,with duration criteria';
label p4loadhdc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label p4ldadhdc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';

***Predominantly Inattentive ADHD***;

if p4nadhdi ge 6 and p4_adhdc ne 1
    then p4_adhdi=1;
else if p4nadhdi ne . then p4_adhdi=0;

label p4_adhdi='Inattentive type ADHD, no duration criteria';
label p4oadhd1='Onset age:Inattentive type ADHD symptoms ,no duration criteria';
label p4dadhd1='Onset age:Inattentive type ADHD diagnosis,no duration criteria';

j4_adhdi = p4_adhdi;
j4oadhd1 = p4oadhd1;
j4dadhd1 = p4dadhd1;

label j4_adhdi='Inattentive type ADHD, no duration criteria';
label j4oadhd1='Onset age:Inattentive type ADHD symptoms ,no duration criteria';
label j4dadhd1='Onset age:Inattentive type ADHD diagnosis,no duration criteria';

if p4nadhdi ge 6 and p4l_adhdc ne 1 and
     prb5o01 ge 182 then do;
    p4l_adhdi=1;
p4loadhdi=p4oadhd1;
p4dadhdhi=p4dadhd1;
end;
else if p4nadhdi ne . then p4l_adhdc=0;

label p4l_adhdc='Inattentive type ADHD,with duration criteria';
label p4loadhdc='Onset age:Inattentive type ADHD symptoms ,with duration criteria';
label p4ldadhdc='Onset age:Inattentive type ADHD diagnosis,with duration criteria';
j4l_adhdi = p4l_adhdi;
j4loadhd1 = p4loadhdc;
j4dadhdhi = p4ldadhdc;

label j4l_adhdi='Inattentive type ADHD, with duration criteria';
label j4loadhdc='Onset age:Inattentive type ADHD symptoms ,with duration criteria';
label j4dadhdhi='Onset age:Inattentive type ADHD diagnosis,with duration criteria';

if p4l_adhdi =1 and pnadhinc=1 and p_inc=1 then p4li_adhdi=1;
else if p4l_adhdi ne . or pnadhinc ne . then p4li_adhdi=0;

if p4l_adhdi=1 and p4loadhd1 ne . then p4lio_adhdi=1;
else if p4l_adhdi ne . or p4loadhd1 ne . then p4lio_adhdi=0;
**SAS Code for CAPA**

```sas
if yapa ne 1 then do;

*** Inattention ***;
p4sadhdh=sum(of p4nadhd10-p4nadhd15);
p4oadhdh=min(of p4oadhd10-p4oadhd15);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p4xadhdi1-p4xadhdi9;

if p4sadhdh ge 6 then do;
   do i=1 to 6;
      p4dadhdh=min(of p4xadhd11-p4xadhd19);
      if i<6 then do over p4xadhd1;
         if p4dadhdh=p4xadhd1 and p4dadhdh^=. then do;
            p4dadhdh=.;
            p4xadhd1=.;
         end;
      end;
   end;
   drop p4xadhd11-p4xadhd19;

label p4nadhdh='# of 9 possible inattention symptoms';
label p4_adhdh='6 or more of 9 inattention symptoms';
label p4oadhdh='Onset age:inattention symptoms';
label p4dadhdh='Onset age:inattention diagnosis';

*** hyperactivity ***;

p4sadhdh=number(97-p4nadhd15);
p4oadhdh=number(97-p4oadhd15);

label p4sadhdh='N of 6 DSM-IV hyperactive symptoms';
label p4oadhdh='Onset age:DSM-IV hyperactive symptoms';
```
*** Impulsivity ***;

\begin{equation}
p_{4\text{adhdImp}} = \text{sum(} p_{4\text{nadhd16}} - p_{4\text{nadhd18}} \text{)};
\end{equation}
\begin{equation}
p_{4\text{oadhdImp}} = \text{min(} p_{4\text{oadhd16}} - p_{4\text{oadhd18}} \text{)};
\end{equation}

\text{label} \ p_{4\text{nadhdImp}} = \# \text{ of 3 Impulsive symptoms};
\text{label} \ p_{4\text{oadhdImp}} = \text{Onset age: of Impulsive symptoms};

\begin{equation}
p_{4\text{sadhdhi}} = \text{sum(} p_{4\text{nadhdHyp}} \ p_{4\text{nadhdImp}} \text{)};
\end{equation}
\begin{equation}
p_{4\text{oadhdhi}} = \text{min(} p_{4\text{oadhdHyp}} \ p_{4\text{oadhdImp}} \text{)};
\end{equation}

\text{label} \ p_{4\text{sadhdhi}} = \# \text{ of 9 hyper/Impulsive symptoms};
\text{label} \ p_{4\text{oadhdhi}} = \text{Onset age: hyper/Impulsive symptoms};

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

\text{array} \ p_{4\text{1adhd}} p_{4\text{oadhd10}}-p_{4\text{oadhd18}};
\text{array} \ p_{4\text{xadhd}} p_{4\text{xadhd10}}-p_{4\text{xadhd18}};

\text{if} \ p_{4\text{sadhdhi}} \geq 6 \ \text{then do};
\begin{align*}
& \text{do \ over \ } p_{4\text{1adhd}}; \\
& \quad p_{4\text{xadhd}}=p_{4\text{1adhd}}; \\
& \quad \text{end}; \\
& \text{do \ i=1 \ to \ 6}; \\
& \quad p_{4\text{dadhdhi}}=\text{min(} p_{4\text{xadhd10}}-p_{4\text{xadhd18}} \text{)}; \\
& \quad \text{if} \ i<6 \ \text{then do \ over \ } p_{4\text{xadhd}}; \\
& \quad \quad \text{if} \ p_{4\text{dadhdhi}}=p_{4\text{xadhd}} \ \text{and} \ p_{4\text{dadhdhi}}\neq . \ \text{then \ do}; \\
& \quad \quad \quad p_{4\text{dadhdhi}}=.; \\
& \quad \quad \quad p_{4\text{xadhd}}=.; \\
& \quad \quad \text{end}; \\
& \quad \text{end}; \\
& \text{end}; \\
& \text{end}; \\
& \text{drop} \ p_{4\text{xadhd10}}-p_{4\text{xadhd18}};
\end{align*}

\text{label} \ p_{4\text{sadhdhi}} = \# \text{ of hyper/Impulsive symptoms};
\text{label} \ p_{4\text{oadhdhi}} = \text{Onset age:hyper/Impulsive symptoms};
\text{label} \ p_{4\text{dadhdhi}} = \text{Onset age:diagnosis};

*** Combined ADHD ***;

\text{if} \ p_{4\text{sadhd1i}} \geq 6 \ \text{and} \ p_{4\text{sadhdhi}} \geq 6 \ \text{then do};
\begin{align*}
& \quad p_{4\_\text{adhdc}}=1; \\
& \quad p_{4\text{oadhd}}=\text{max(} p_{4\text{oadhd1}}, p_{4\text{oadhdhi}} \text{)}; \\
& \quad p_{4\text{dadhd}}=\text{max(} p_{4\text{dadhd1}}, p_{4\text{dadhdhi}} \text{)}; \\
& \quad \text{end}; \\
& \text{else if} \ p_{4\text{sadhd1}} \neq . \ \text{or} \ p_{4\text{sadhdhi}} \neq . \ \text{then} \ p_{4\_\text{adhdc}}=0;
\end{align*}
\text{label} \ p_{4\_\text{adhdc}} = \text{Combined ADHD:inatt. + hyper/Impulsive, no duration criteria};
\text{label} \ p_{4\text{oadhd}} = \text{Onset age:symptoms Combined ADHD:inatt. + hyper/Impulsive, no duration criteria};
\text{label} \ p_{4\text{dadhd}} = \text{Onset age:diagnosis Combined ADHD:inatt. + hyper/Impulsive, no duration criteria};
if p4sadhdhi ge 6 and p4sadhdhi ge 6 and
   (prb5o01 ge 182 or pr1o01 ge 182 or
    prc3o01 ge 182 or cra4o01 ge 182)
   then do;
   p4l_adhdc=1;
   p4aloadhdci=max(p4oadhdi,p4oadhdhi);
   p4ldadhdc=max(p4dadhdi,p4dadhdhi);
   end;
else if p4sadhdhi ne 1 or p4sadhdhi ne 1 then p4l_adhdc=0;

label p4l_adhdc='Combined ADHD:inatt. + hyper/Impulsive, with duration criteria';
label p4aloadhdci='Onset age:symptoms Combined ADHD:inatt. + hyper/Impulsive, with duration criteria';
label p4ldadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/Impulsive, with duration criteria';

***predominantly Inattentive ADHD***;
if p4sadhdi ge 6 and p4_adhdc ne 1
   then p4_adhdi=1;
else if p4sadhdi ne 1 then p4_adhdi=0;

label p4_adhdi='Inattentive ADHD, no duration criteria';
label p4oadhdci='Onset age:Inattentive ADHD symptoms, no duration criteria';
label p4dadhdci='Onset age:Inattentive ADHD diagnosis, no duration criteria';

j4_adhdi = p4_adhdi;
j4oadhdci = p4oadhdci;
j4dadhdci = p4dadhdci;

label j4_adhdi='Inattentive ADHD, no duration criteria';
label j4oadhdci='Onset age:Inattentive ADHD symptoms, no duration criteria';
label j4dadhdci='Onset age:Inattentive ADHD diagnosis, no duration criteria';

if p4sadhdhi ge 6 and p4l_adhdc ne 1 and
   prb5o01 ge 182 then p4l_adhdi=1;
else if p4sadhdhi ne 1 then do;
   p4l_adhdi=0;
   p4aloadhdci=p4oadhdhi;
   p4ldadhdc=p4dadhdhi;
   end;

label p4l_adhdi='Inattentive ADHD, with duration criteria';
label p4aloadhdci='Onset age:Inattentive ADHD symptoms, with duration criteria';
label p4dadhdci='Onset age:Inattentive ADHD diagnosis, with duration criteria';

j4l_adhdi = p4l_adhdi;
j4loadhdci = p4aloadhdci;
j4ldadhdi = p4ldadhdi;

label j4l_adhdi='Inattentive ADHD, with duration criteria';
label j4loadhdci='Onset age:Inattentive ADHD symptoms, with duration criteria';
label j4ldadhdi='Onset age:Inattentive ADHD diagnosis, with duration criteria';

*** create impairment in two situations criterion ***;
p4ssith=sum(of prai02 prai02 prb5i02 prc3i04);
if p4ssith ge 1 then p4_sith=1;
else if p4ssith ne . then p4_sith=0;
label p4ssith='# ADHD impairments: home (scale 0-8)';
label p4_sith='any ADHD impairment in the home';

p4ssits=sum(of prai03 prai03 prb5i03 prc3i05);
if p4ssits ge 1 then p4_sits=1;
else if p4ssits ne . then p4_sits=0;
label p4ssits='# ADHD impairments: school/daycare (scale 0-8)';
label p4_sits='any ADHD impairment in school';

p4ssite=sum(of prai04 prai04 prb5i04 prc3i06);
if p4ssite ge 1 then p4_site=1;
else if p4ssite ne . then p4_site=0;
label p4ssite='# impairments: elsewhere (scale 0-8)';
label p4_site='impairment elsewhere';

if sum(p4_sith, p4_sits, p4_site)>= 2 then psadhinc=1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then psadhinc=0;
label psadhinc='ADH impairment in two or more settings';

if p41_adhdi =1 and psadhinc=1 then p4li_adhdi=1;
else if p41_adhdi ne . or psadhinc ne . then p4li_adhdi=0;

phypon=int(jage-(max(of prb5o01 prai01 prc3o01 prai4o01)/365.25));
label phypon='age at ADHD onset';
if p41i_adhdi=1 and . lt phypon lt 7 then p4lio_adhdi=1;
else if p41i_adhdi ne . or phypon ne . then p4lio_adhdi=0;
label p4li_adhdi='inattentive adhd with impairment criteria';
label p4lio_adhdi='inattentive adhd with impairment criteria and onset';
j4li_adhdi = p4li_adhdi;
j4lio_adhdi = p4lio_adhdi;
label j4li_adhdi='inattentive adhd with impairment criteria';
label j4lio_adhdi='inattentive adhd with impairment criteria and onset';
end;

*************SAS Code for YAPA*********************;
if yapa = 1 then do;

*** Inattention ***;
c4sadhd= sum(of c4nadhd1-c4nadhd9);
c4oadhdi=min(of c4oadhd1-c4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array c41adhdi c4oadhd1-c4oadhd9;
array c4xadhdi c4xadhdi1-c4xadhdi9;

if c4sadhdi ge 6 then do;

do over c41adhdi;
c4xadhdi=c41adhdi;
end;
do i=1 to 6;
c4dadhd1i=min(of c4xadhd1i-c4xadhd1i9);
if i<6 then do over c4xadhd1i;
  if c4dadhd1i=c4xadhd1i and c4dadhd1i^=. then do;
    c4dadhd1i=.;
    c4xadhd1i=.;
  end;
end;
don c4xadhdi1-c4xadhdi9;

label c4nadhdi=' # of 9 possible inattention symptoms';
label c4_adhdi=' 6 or more of 9 inattention symptoms';
label c4oadhdi='Onset age:inattention symptoms';
label c4dadhdi='Onset age:inattention diagnosis';

*** hyperactivity ***;

c4sadhdh=sum(of c4nadhd10-c4nadhd15);
c4oadhdh=min(of c4oadhd10-c4oadhd15);

label c4sadhdh='N of 6 DSM-IV hyperactive symptoms';
label c4oadhdh='Onset age:DSM-IV hyperactive symptoms';

*** Impulsivity ***;

c4sadhdImp=sum(of c4nadhd16-c4nadhd18);
c4oadhdImp=min(of c4oadhd16-c4oadhd18);

label c4sadhdImp=' # of 3 Impulsive symptoms';
label c4oadhdImp='Onset age: of Impulsive symptoms';

c4sadhdi=sum(of c4nadhdHyp c4nadhdImp);
c4oadhdi=min(of c4oadhdHyp c4oadhdImp);

label
c4sadhdi=' # of 9 hyper/Impulsive symptoms'
c4oadhdi='onset age hyper/Impulsive symptoms'
;

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array c41adhdi c4oadhd10-c4oadhd18;
array c4xadhd c4xadhd10-c4xadhd18;

if c4sadhdhi ge 6 then do;
    do over c41adhd;
        c4xadhd=c41adhd;
    end;
    do i=1 to 6;
        c4dadhdhi=min(of c4xadhd10-c4xadhd18);
        if i<6 then do over c4xadhd;
            if c4dadhdhi=c4xadhd and c4dadhdhi^=. then do;
                c4dadhdhi=.;
                c4xadhd=.;
            end;
        end;
    end;
end;
end;
drop c4xadhd10-c4xadhd18;

label c4sadhdhi='# of hyper/Impulsive symptoms';
label c4oadhdhi='Onset age:hyper/Impulsive symptoms';
label c4dadhdhi='Onset age:hyper/Impulsive diagnosis';

***Combined ADHD***;

if c4sadhdi ge 6 and c4sadhdhi ge 6 then do;
    c4_adhdc=1;
    c4oadhdc=max(c4oadhdhi,c4oadhdhi);
    c4dadhd=1;
    c4dadhdhi=max(c4dadhdhi,c4dadhdhi);
else if c4sadhdh ne . or c4sadhdh ne . then c4_adhdc=0;

label c4_adhdc='Combined ADHD:inatt. + hyper/Impulsive, no duration criteria';
label c4oadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/Impulsive, no duration criteria';
label c4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/Impulsive, no duration criteria';

if c4sadhdi ge 6 and c4sadhdhi ge 6 and
    (crb5o01 ge 182 or cra1o01 ge 182 or
    crc3o01 ge 182 or cra4o01 ge 182)
then do;
    c4l_adhdc=1;
    c4loadhd=1;
    c4ladhdhi=max(c4dadhdhi,c4dadhdhi);
    c4ladhd=1;
else if c4sadhdh ne . or c4sadhdh ne . then c4l_adhdc=0;

label c4l_adhdc='Combined ADHD:inatt. + hyper/Impulsive, with duration criteria';
label c4loadhd=1='Onset age:symptoms Combined ADHD:inatt. + hyper/Impulsive, with duration criteria';
label c4ladhd=1='Onset age:diagnosis Combined ADHD:inatt. + hyper/Impulsive, with duration criteria';

***predominantly Inattentive ADHD***;

if c4sadhdh ge 6 and c4_adhdc ne 1
then c4_adhdi=1;
else if c4sadhd ne 1 then c4_adhdi=0;

label c4_adhdi='Inattentive ADHD, no duration criteria';
label c4oadhdi='Onset age: Inattentive ADHD symptoms, no duration criteria';
label c4dadhdi='Onset age: Inattentive ADHD diagnosis, no duration criteria';

j4_adhdi = c4_adhdi;
j4oadhdi = c4oadhdi;
j4dadhdi = c4dadhd1;

label j4_adhdi='Inattentive ADHD, no duration criteria';
label j4oadhdi='Onset age: Inattentive ADHD symptoms, no duration criteria';
label j4dadhdi='Onset age: Inattentive ADHD diagnosis, no duration criteria';

if c4sadhdi ge 6 and c4l_adhdc ne 1 and crb5o01 ge 182 then c4l_adhdi=1;
else if c4sadhdi ne 1 then do;
c4l_adhdi=0;
c4loadhdi=c4oadhdi;
c4ldadhdi=c4dadhd1;
end;

label c4l_adhdi='Inattentive ADHD, with duration criteria';
label c4loadhdi='Onset age: Inattentive ADHD symptoms, with duration criteria';
label c4ldadhdi='Onset age: Inattentive ADHD diagnosis, with duration criteria';

j4l_adhdi = c4l_adhdi;
j4loadhdi = c4loadhdi;
j4ladhdi = c4ladhdi;

label j4l_adhdi='Inattentive ADHD, with duration criteria';
label j4loadhdi='Onset age: Inattentive ADHD symptoms, with duration criteria';
label j4ladhdi='Onset age: Inattentive ADHD diagnosis, with duration criteria';

*** create impairment in two situations criterion ***;

c4ssith=sum(of cra1i02 cra4i02 crb5i02crc3i04);

if c4ssith ge 1 then c4_sith=1;
else if c4ssith ne 1 then c4_sith=0;

label c4ssith='# ADHD impairments: home (scale 0-8)';
label c4_sith='any ADHD impairment in the home';

c4ssits=sum(of cra1i03 cra4i03 crb5i03crc3i05);

if c4ssits ge 1 then c4_sits=1;
else if c4ssits ne 1 then c4_sits=0;

label c4ssits='# ADHD impairments: school/daycare (scale 0-8)';
label c4_sits='any ADHD impairment in school';

c4ssite=sum(of cra1i04 cra4i04 crb5i04crc3i06);

if c4ssite ge 1 then c4_site=1;
else if c4ssite ne 1 then c4_site=0;
label c4ssite='# impairments: elsewhere (scale 0-8)';
label c4_site='impairment elsewhere';

if sum(c4_sith, c4_sits, c4_site)>= 2 then csadhinc=1;
else if c4_sith ne . or c4_sits ne . or c4_site ne . then csadhinc=0;

label csadhinc='ADH impairment in two or more settings';

if c4l_adhdi =1 and csadhinc=1 then c4li_adhdi=1;
else if c4l_adhdi ne . or csadhinc ne . then c4li_adhdi=0;

chypon=int(jage-(max(of crb5o01 cra1o01 crc3o01 cra4o01)/365.25));
label chypon='age at ADHD onset';

if c4li_adhdi=1 and . lt chypon lt 7 then c4lio_adhdi=1;
else if c4li_adhdi ne . or chypon ne . then c4lio_adhdi=0;

label c4li_adhdi='inattentive adhd with impairment criteria';
label c4lio_adhdi='inattentive adhd with impairment criteria and onset';

j4li_adhdi = c4li_adhdi;
j4lio_adhdi = c4lio_adhdi;

label j4li_adhdi='inattentive adhd with impairment criteria';
label j4lio_adhdi='inattentive adhd with impairment criteria and onset';

end;
**J4LIO_ADHDHI: Hyperactive/Impulsive ADHD with impairment plus onset and starting under 7 years old**

**ADHD Variable List**

**Description**

**Symptom Variable(s)**

**Glossary Notes**

**Additional Variables**

**N, Weighted Prevalence, and Missing Data**

**Citations**

**SAS CODE**

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**DESCRIPTION**

Definition:

A. Six or more of the following symptoms of hyperactivity-impulsivity have persisted for at least 6 months to a degree that is maladaptive and inconsistent with developmental level:

**Hyperactivity**

(a) often fidgets with hands or feet or squirms in seat.
(b) often leaves seat in classroom or in other situations in which remaining seated is expected.
(c) 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).
(d) often has difficulty playing or engaging in leisure activities quietly.
(e) if often "on the go" or often acts as if "driven by a motor".
(f) often talks excessively.

**Impulsivity**

(g) often blurts out answers before questions have been completed.
(h) often has difficulty awaiting turn.
(i) often interrupts or intrudes on others (eg., butts into conversations or games).

B. Some hyperactive-impulsive or inattentive symptoms that caused impairment were present before age 7 years.
C. Some impairment from the symptoms is present in two or more settings (e.g., at school [or work] and at home).

D. There must be clear evidence of clinically significant impairment in social, academic, or occupational functioning. ***;

E. The symptoms do not occur exclusively during the course of a Pervasive Developmental Disorder, Schizophrenia, or other Psychotic Disorder and are not better accounted for by another mental disorder (e.g., Mood Disorder, Anxiety Disorder, Dissociative Disorder, or a Personality Disorder). ***;

Informant: Parent.

Note:

<table>
<thead>
<tr>
<th>SYMPTOM VARIABLE(S)</th>
<th>PAPA</th>
<th>CAPA</th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>j4nadhd10 (Fidgety)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd11 (Difficulty remaining seated)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd12 (Runs about and climbs)</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>j4nadhd13 (Difficulty doing quietly)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd14 (Always on the go)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd15 (Talks excessively)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd16 (Blurs out answers)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd17 (Difficulty waiting for turn)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>j4nadhd18 (Interrupts or intrudes)</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

GLOSSARY NOTES
**Hyperactivity** - Use whatever time period, primary, secondary or tertiary, was used for the school section, when the subject was present in school, for all Situational Specificity items, which require rating in the school setting.

**IMPULSIVITY**

A *pattern* of acting before thinking adequately about the consequences of actions. Everyone is impulsive sometimes, but here the coding requires that impulsivity is a characteristic feature of the child's behavior.

Ratings are made for presence of impulsive patterns in several areas. No distinction is made about location, type of activity, or motivation until the end of the section. No durations are coded and the 10 minute rule is not relevant here.

**N, WEIGHTED PREVALENCE, AND MISSING DATA**

<table>
<thead>
<tr>
<th></th>
<th>PAPA</th>
<th></th>
<th>CAPA</th>
<th></th>
<th>YAPA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weighted %</td>
<td>N</td>
<td>Weighted %</td>
<td>N</td>
<td>Weighted %</td>
</tr>
<tr>
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<td>.05</td>
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<tr>
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<td>0</td>
<td>0</td>
<td>.35</td>
<td>41</td>
<td>.13</td>
</tr>
</tbody>
</table>

Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

**OTHER VARIABLES**
J4SADHDH1 = ‘Number of hyper / impulsive symptoms’

J4OADHDH1 = ‘Onset age: Hyper / impulsive symptoms’

J4DADHDH1 = ‘Onset age: Hyper / impulsive diagnosis’

J4SADHDH1_A = ‘Number of hyper / impulsive symptoms including propositionals’

---

**SAS Code**

```
***************SAS Code for PAPA***********************;
*** Inattention ***;
p4nadhd1=sum(of p4nadhd1-p4nadhd9);
p4oadhd1=min(of p4oadhd1-p4oadhd9);

** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
  array p41adhdi p4oadhd1-p4oadhd9;
  array p4xadhdi p4xadhdi1-p4xadhdi9;
  if p4nadhd1 ge 6 then do;
    do over p41adhdi;
      p4xadhdi=p41adhdi;
    end;
    do i=1 to 6;
      p4dadhd1=min(of p4xadhdi1-p4xadhdi9);
      if i<=6 then do over p4xadhdi;
        if p4dadhd1=p4xadhdi and p4dadhd1^=. then do;
          p4dadhd1=.;
          p4xadhdi=.;
        end;
      end;
    end;
  end;
  drop p4xadhdi1-p4xadhdi9;

label p4nadhd1='# of 9 possible inattention symptoms';
label p4_adhdi='6 or more of 9 inattention symptoms';
label p4oadhd1='Onset age:inattention symptoms';
label p4dadhd1='Onset age:inattention diagnosis';

*** hyperactivity ***;
p4nadhdh=sum(of p4nadhd10-p4nadhd15);
p4oadhdh=min(of p4oadhd10-p4oadhd15);
```
label p4nadhdh='N of 6 DSM-IV hyperactive symptoms';
label p4oadhdh='Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;

p4nadhdImp=sum(of p4nadhd16-p4nadhd18);
p4oadhdImp=min(of p4oadhd16-p4oadhd18);

label p4nadhdImp='# of 3 impulsive symptoms';
label p4oadhdImp='Onset age: of impulsive symptoms';
p4nadhdhi=sum(of p4nadhdh p4nadhdImp);
p4oadhdhi=min(of p4oadhdh p4oadhdImp);

label
  p4nadhdh='# of 9 hyper/impulsive symptoms'
  p4nadhdhi='onset age hyper/impulsive symptoms';

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array p41adhd p4oadhd10-p4oadhd18;
array p4xadhd p4xadhd10-p4xadhd18;

if p4nadhdhi ge 6 then do;
  do over p41adhd;
    p4xadhd=p41adhd;
  end;
  do i=1 to 6;
    p4dadhdhi=min(of p4xadhd10-p4xadhd18);
    if i<6 then do over p4xadhd;
      if p4dadhdhi=p4xadhd and p4dadhdhi^=. then do;
        p4dadhdhi=.;
        p4xadhd=.;
      end;
    end;
  end;
end;

drop p4xadhd10-p4xadhd18;

label p4nadhdhi='# of hyper/impulsive symptoms';
label p4oadhdhi='Onset age:hyper/impulsive symptoms';
label p4dadhdhi='Onset age:hyper/impulsive diagnosis';

***Combined ADHD***;

if p4nadhi ge 6 and p4nadhdhi ge 6 then do;
  p4_adhdc=1;
  p4oadhd=1;
  p4 Aadhdci=max(p4oadhdci,p4oadhdhi);
  p4dadhd=max(p4dadhdhi,p4dadhdhi);
end;
else if p4nadhi ne . or p4nadhdhi ne . then p4_adhdc=0;

label p4_adhdc='Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
label p4oadhd='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, no duration criteria'
label p4dadhdhc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';

if p4nadhdhi ge 6 and p4nadhdhi ge 6 and
   (prb5o01 ge 182 or pra1o01 ge 182 or
    prc3o01 ge 182 or pra4o01 ge 182)
   then do;
   p41 adrenal=1;
   p4loadhdhc=max(p4oadhdhi,p4oadhdhi);
   p4ldadhdc=max(p4dadhdi,p4dadhdhi);
   end;
else if p4sadhdhi ne . or p4sadhdhi ne . then p41 adrenal=0;

label p41 adrenal='Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label p4loadhdhc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label p4ldadhdc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';

***Predominantly Hyperactive/Impulsive ADHD***;

if p4nadhdhi ge 6 and p4 adrenal ne 1
   then p4_adhdhi=1;
else if p4nadhdhi ne . then p4_adhdhi=0;

label p4_adhdhi='hyperactive/impulsive type ADHD,no duration criteria';
label p4oadhdhi='Onset age:hyper/impul type ADHD symptoms ,no duration criteria';
label p4dadhdhi='Onset age:hyper/impul type ADHD diagnosis,no duration criteria';

j4 adrenal = p4 adrenal;
j4oadhdhi = p4oadhdhi;
j4dadhdhi = p4dadhdhi;

label j4 adrenal='hyperactive/impulsive type ADHD,no duration criteria';
label j4oadhdhi='Onset age:hyper/impul type ADHD symptoms ,no duration criteria';
label j4dadhdhi='Onset age:hyper/impul type ADHD diagnosis,no duration criteria';

if p4nadhdhi ge 6 and p41 adrenal ne 1 and
   (pra1o01 ge 182 or prc3o01 ge 182 or
    pra4o01 ge 182) then p41 adrenal=1;
else if p4nadhdhi ne . then do;
   p41 adrenal=0;
   p4loadhdhi=p4oadhdhi;
   p4dadhdhi=p4dadhdhi;
   end;

label p41 adrenal='hyperactive/impulsive type ADHD,with duration criteria';
label p41oadhdhi='Onset age:hyper/impul type ADHD symptoms ,with duration criteria';
label p41dadhdhi='Onset age:hyper/impul type ADHD diagnosis,with duration criteria';

j41 adrenal = p41 adrenal;
j41oadhdhi = p41oadhdhi;
j41dadhdhi = p41dadhdhi;

label j41 adrenal='hyperactive/impulsive type ADHD,with duration criteria';
label j41oadhdhi='Onset age:hyper/impul type ADHD symptoms ,with duration criteria';
label j41dadhdhi='Onset age:hyper/impul type ADHD diagnosis,with duration criteria';
*** create impairment in two situations criterion ***;

p4nsith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);
if p4nsith ge 1 then p4_sith=1;
else if p4nsith ne . then p4_sith=0;

label p4nsith='# ADHD impairments: home (scale 0-8)';
label p4_sith='any ADHD impairment in the home';

p4nsits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);
if p4ssits ge 1 then p4_sits=1;
else if p4ssits ne . then p4_sits=0;

label p4nsits='# ADHD impairments: school/daycare (scale 0-8)';
label p4_sits='any ADHD impairment in school';

p4nsite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);
if p4nsite ge 1 then p4_site=1;
else if p4nsite ne . then p4_site=0;

label p4nsite='# impairments: elsewhere (scale 0-8)';
label p4_site='impairment elsewhere';

if sum(p4_sith, p4_sits, p4_site)>= 2 then pnadhinc=1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then pnadhinc=0;

label pnadhinc='ADHD impairment in two or more settings';

if p4l_adhdi =1 and pnadhinc=1 and p_inc=1 then p4li_adhdi=1;
else if p4l_adhdi ne . or pnadhinc ne . then p4li_adhdi=0;

if p4li_adhdhi=1 and p4oadhdhi ne . then p4lio_adhdhi=1;
else if p4li_adhdhi ne . or p4oadhdhi ne . then p4lio_adhdhi=0

label p4li_adhdhi='hyperactive/impulsive type adhd with impairment criteria';
label p4lio_adhdhi='hyperactive/impulsive type adhd with impairment criteria and onset';

j4li_adhdhi = p4li_adhdhi;
j4lio_adhdhi = p4lio_adhdhi;

label j4li_adhdhi='hyperactive/impulsive type adhd with impairment criteria';
label j4lio_adhdhi='hyperactive/impulsive type adhd with impairment criteria and onset';

*******************SAS Code for CAPA*******************;
If yapa ne 1 then do;

*** Inattention ***;

p4sadhdhi=sum(of p4nadhd1-p4nadhd9);
p4oadhdhi=min(of p4oadhd1-p4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array p41adhdhi p4oadhd1-p4oadhd9;
array p4xadhdhi p4xadhd11-p4xadhd9;
if p4sadhd1 ge 6 then do;
   do over p41adhd1;
      p4xadhd1=p41adhd1;
   end;
   do i=1 to 6;
      p4dadhd1=min(of p4xadhd11-p4xadhd19);
      if i<6 then do over p4xadhd1;
         if p4dadhd1=p4xadhd1 and p4dadhd1^=. then do;
            p4dadhd1=.;
            p4xadhd1=.;
         end;
      end;
   end;
   drop p4xadhd11-p4xadhd19;

label p4sadhd1='# of 9 possible inattention symptoms';
label p4oahd1='Onset age:inattention symptoms';
label p4dadhd1='Onset age:inattention diagnosis';

*** hyperactivity ***;

p4sadhdh=sum(of p4nadhd10-p4nadhd15);
p4oahdhdh=min(of p4oahd10-p4oahd15);

label p4sadhdh='N of 6 DSM-IV hyperactive symptoms';
label p4oahdhdh='Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;

p4sadhdImp=sum(of p4nadhd16-p4nadhd18);
p4oahdhdImp=min(of p4oahd16-p4oahd18);

label p4sadhdImp='# of 3 impulsive symptoms';
label p4oahdhdImp='Onset age: of impulsive symptoms';

p4sadhdhi=sum(of p4sadhdh p4sadhdImp);
p4oahdhdhi=min(of p4oahdhd p4oahdhdImp);

label p4sadhdhi='# of 9 hyper/impulsive symptoms'
   p4oahdhi='onset age hyper/impulsive symptoms';
   *** find the sixth largest date of onset to match the
   requirement for first 6 symptoms ***;
   array p41adhd p4oahd10-p4oahd18;
   array p4xadhd p4xadhd10-p4xadhd18;

if p4sadhdhi ge 6 then do;
   do over p41adhd;
      p4xadhd=p41adhd;
   end;
   do i=1 to 6;
\[ p4dadhdhi = \text{min}(p4xadhd10 - p4xadhd18); \]
\[ \text{if } i < 6 \text{ then do over } p4xadhd; \]
\[ \quad \text{if } p4dadhdhi = p4xadhd \text{ and } p4dadhdhi \neq . \text{ then do; } \]
\[ \quad \quad p4dadhdhi = .; \]
\[ \quad \quad p4xadhd = .; \]
\[ \quad \end; \]
\[ \end; \]
\[ \end; \]
\[ \text{drop } p4xadhd10 - p4xadhd18; \]

**label**

\[ p4sadhdhi = \# \text{ of hyper/impulsive syptoms}; \]
\[ p4oadhdhi = \text{Onset age:hyper/impulsive symptoms}; \]
\[ p4dadhdhi = \text{Onset age:hyper/impulsive diagnosis}; \]

***Combined ADHD***;

\[ \text{if } p4sadhdhi \geq 6 \text{ and } p4sadhdhi \geq 6 \text{ then do; } \]
\[ \quad p4_adhdc = 1; \]
\[ \quad p4oadhdc = \text{max}(p4oadhdhi, p4oadhdhi); \]
\[ \quad p4dadhdc = \text{max}(p4dadhdhi, p4dadhdhi); \]
\[ \end; \]
\[ \text{else if } p4sadhdhi \neq . \text{ or } p4sadhdhi \neq . \text{ then } p4_adhdc = 0; \]

**label**

\[ p4_adhdc = \text{'Combined ADHD:inatt. + hyper/impulsive, no duration criteria'}; \]
\[ p4oadhdc = \text{'Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria'}; \]
\[ p4dadhdc = \text{'Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria'}; \]

\[ \text{if } p4sadhdhi \geq 6 \text{ and } p4sadhdhi \geq 6 \text{ and } \]
\[ \quad (\text{prb5o01 } \geq 182 \text{ or } \text{pra1o01 } \geq 182 \text{ or } \]
\[ \quad \quad \quad \text{prc3o01 } \geq 182 \text{ or } \text{pra4o01 } \geq 182) \text{ then do; } \]
\[ \quad p4l_adhdc = 1; \]
\[ \quad p4loadhdc = \text{max}(p4oadhdhi, p4oadhdhi); \]
\[ \quad p4ladadhdc = \text{max}(p4dadhdhi, p4dadhdhi); \]
\[ \end; \]
\[ \text{else if } p4sadhdhi \neq . \text{ or } p4sadhdhi \neq . \text{ then } p4l_adhdc = 0; \]

**label**

\[ p4l_adhdc = \text{'Combined ADHD:inatt. + hyper/impulsive, with duration criteria'}; \]
\[ p4loadhdc = \text{'Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria'}; \]
\[ p4ladadhdc = \text{'Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria'}; \]

***Predominantly Hyperactive/Impulsive ADHD***;

\[ \text{if } p4sadhdhi \geq 6 \text{ and } p_4 \text{ adhdc } \neq 1 \text{ then } p4_adhdhi = 1; \]
\[ \text{else if } p4sadhdhi \neq . \text{ then } p4_adhdhi = 0; \]

**label**

\[ p4_adhdhi = \text{'hyperactive/impulsive ADHD, no duration criteria'}; \]
\[ p4oadhdhi = \text{'Onset age:hyper/impul ADHD symptoms , no duration criteria'}; \]
\[ p4dadhdhi = \text{'Onset age:hyper/impul ADHD diagnosis, no duration criteria'}; \]
`j4_adhdhi = p4_adhdhi; j4oadhdhi = p4oadhdhi; j4dadhdhi = p4dadhdhi;`

`label j4_adhdhi='hyperactive/impulsive ADHD,no duration criteria'; label j4oadhdhi='Onset age:hyper/impul ADHD symptoms ,no duration criteria'; label j4dadhdhi='Onset age:hyper/impul ADHD diagnosis,no duration criteria';`

```plaintext
if p4sadhdhi ge 6 and p4l_adhdcl ne 1 and 
   (pra1o01 ge 182 or prc3o01 ge 182 or 
    pra4o01 ge 182) then p4l_adhdhi=1;
else if p4sadhdhi ne . then do;
   p4l_adhdhi=0;
   p4loadhdhi=p4oadhdhi;
   p4ldadhdhi=p4dadhdhi;
end;
label p4l_adhdhi='hyperactive/impulsive ADHD,with duration criteria'; label p4loadhdhi='Onset age:hyper/impul ADHD symptoms, with duration criteria'; label p4ldadhdhi='Onset age:hyper/impul ADHD diagnosis,with duration criteria';

j4l_adhdhi = p4l_adhdhi;
j4loadhdhi = p4loadhdhi;
j4ldadhdhi = p4ldadhdhi;

label j4l_adhdhi='hyperactive/impulsive ADHD,with duration criteria'; label j4loadhdhi='Onset age:hyper/impul ADHD symptoms,with duration criteria'; label j4ldadhdhi='Onset age:hyper/impul ADHD diagnosis,with duration criteria';

*** create impairment in two situations criterion ***;

p4ssith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);
if p4ssith ge 1 then p4_sith=1;
else if p4ssith ne . then p4_sith=0;
label p4_sith='any ADHD impairment in the home';

p4ssits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);
if p4ssits ge 1 then p4_sits=1;
else if p4ssits ne . then p4_sits=0;
label p4_sits='any ADHD impairment in school';

p4ssite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);
if p4ssite ge 1 then p4_site=1;
else if p4ssite ne . then p4_site=0;
label p4_site='impairment elsewhere';
```
if sum(p4_sith, p4_sits, p4_site) >= 2 then psadhinc = 1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then psadhinc = 0;

label psadhinc = 'ADH impairment in two or more settings';

if p41_adhdhi = 1 and psadhinc = 1 then p4li_adhdhi = 1;
else if p41_adhdhi ne . or psadhinc ne . then p4li_adhdhi = 0;

phypon = int(jage - (max(of prb5001 pra1001 prc3001 pra4001)/365.25));
label phypon = 'age at ADHD onset';

if p4li_adhdhi = 1 and . it phypon lt 7 then p4lio_adhdhi = 1;
else if p4li_adhdhi ne . or phypon ne . then p4lio_adhdhi = 0;

label p4li_adhdhi = 'hyperactive/impulsive adhd with impairment criteria';
label p4lio_adhdhi = 'hyperactive/impulsive adhd with impairment criteria and onset';

j4li_adhdhi = p4li_adhdhi;
j4lio_adhdhi = p4lio_adhdhi;

label j4li_adhdhi = 'hyperactive/impulsive adhd with impairment criteria';
label j4lio_adhdhi = 'hyperactive/impulsive adhd with impairment criteria and onset';

END;

**************SAS Code for YAPA**********************;

if yapa = 1 then do;

*** Inattention ***;

c4sadhdhi = sum(of c4nadhd1-c4nadhd9);
c4oadhdhi = min(of c4oadhd1-c4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array c41adhdhi c4oadhd1-c4oadhd9;
array c4xadhdhi c4xadhd11-c4xadhd19;

if c4sadhdhi ge 6 then do;

do over c41adhdhi;
c4xadhdhi = c41adhdhi;
end;
do i=1 to 6;
c4adhdhi = min(of c4xadhd11-c4xadhd19);
if i<6 then do over c4xadhdhi;
   if c4adhdhi = c4xadhd1 and c4adhdhi ^= . then do;
c4adhdhi = .;
c4xadhdhi = .;
end;
end;
drop c4xadhd11-c4xadhd19;

label c4sadhdhi = '# of 9 possible inattention symptoms';
**Label c4oadhdi='Onset age:inattention symptoms';**
**Label c4dadhdi='Onset age:inattention diagnosis';**

*** Hyperactivity ***;

\[
c4sadhdh=\text{sum}(\text{of } c4nadhd10-\text{c4nadhd15});
c4oadhdh=\text{min}(\text{of } c4oadhd10-\text{c4oadhd15});
\]

**Label c4sadhdh='N of 6 DSM-IV hyperactive symptoms';**
**Label c4oadhdh='Onset age:DSM-IV hyperactive symptoms';**

*** Impulsivity ***;

\[
c4sadhdImp=\text{sum}(\text{of } c4nadhd16-\text{c4nadhd18});
c4oadhdImp=\text{min}(\text{of } c4oadhd16-\text{c4oadhd18});
\]

**Label c4sadhdImp='# of 3 impulsive symptoms';**
**Label c4oadhdImp='Onset age: of impulsive symptoms';**

\[
c4sadhdhi=\text{sum}(\text{of } c4sadhdh \text{ c4sadhdImp});
c4oadhdhi=\text{min}(\text{of } c4oadhdh \text{ c4oadhdImp});
\]

**Label c4sadhdhi='# of 9 hyper/impulsive symptoms'**
**Label c4oadhdhi='Onset age hyper/impulsive symptoms';**

*** Find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

\[
\text{Array c41adhd c4oadhd10-c4oadhd18};
\text{Array c4xadhd c4xadhd10-c4xadhd18};
\]

\[
\text{If } c4sadhdhi \geq 6 \text{ then do;}
\]

\[
\text{Do over c41adhd;}
\text{c4xadhd=c41adhd;}
\text{end;}
\text{Do i=1 to 6;}
\text{c4dadhdhi=\text{min}(\text{of } c4xadhd10-\text{c4xadhd18});}
\text{If } i<6 \text{ then do over c4xadhd;}
\text{If } c4dadhdhi=c4xadhd \text{ and } c4dadhdhi^=\text{.} \text{ then do;}
\text{c4dadhdhi=\text{.};}
\text{c4xadhd=\text{.};}
\text{end;}
\text{end;}
\text{end;}
\text{drop c4xadhd10-c4xadhd18;}
\]

**Label c4sadhdhi='# of hyper/impulsive symptoms';**
**Label c4oadhdhi='Onset age:hyper/impulsive symptoms';**
**Label c4dadhdhi='Onset age:hyper/impulsive diagnosis';**

*** Combined ADHD ***;

\[
\text{If } c4sadhdhi \geq 6 \text{ and } c4sadhdhi \geq 6 \text{ then do;}
\]

```
c4_adhdc=1;
c4oadhdc=max(c4oadhdi,c4oadhdhi);
c4dadhdmc=max(c4dadhdhi,c4dadhdhi);
end;
else if c4sadhdhi ne . or c4sadhdhi ne . then c4_adhdc=0;

labeled c4_adhdc='Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
labeled c4oadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
labeled c4dadhdmc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';

if c4sadhdhi ge 6 and c4sadhdhi ge 6 and
cerb5o01 ge 182 or cra1o01 ge 182 or
crc3o01 ge 182 or cra4o01 ge 182)
thendo;
c4l_adhdc=1;
c4loadhdmc=max(c4oadhdhi,c4oadhdhi);
c4ladhdmc=max(c4dadhdhi,c4dadhdhi);
end;
else if c4sadhdhi ne . or c4sadhdhi ne . then c4l_adhdc=0;

labeled c4l_adhdc='Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
labeled c4loadhdmc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
labeled c4ladhdmc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

***Predominantly Hyperactive/Impulsive ADHD***;

if c4sadhdhi ge 6 and c4_adhdc ne 1
then c4_adhdc=1;
else if c4sadhdhi ne . then c4_adhdc=0;

labeled c4_adhdc='hyperactive/impulsive ADHD, no duration criteria';
labeled c4oadhdmc='Onset age:hyper/impul ADHD symptoms ,no duration criteria';
labeled c4dadhdmc='Onset age:hyper/impul ADHD diagnosis,no duration criteria';

j4_adhdc = c4_adhdc;
j4oadhdmc = c4oadhdmc;
j4dadhdmc = c4dadhdmc;

labeled j4_adhdc='hyperactive/impulsive ADHD,no duration criteria';
labeled j4oadhdmc='Onset age:hyper/impul ADHD symptoms ,no duration criteria';
labeled j4dadhdmc='Onset age:hyper/impul ADHD diagnosis,no duration criteria';

if c4sadhdhi ge 6 and c4l_adhdc ne 1 and
cra1o01 ge 182 or crc30o1 ge 182 or
cra4o01 ge 182
then c4l_adhdc=1;
else if c4sadhdhi ne . then do;
c4l_adhdc=0;
c4loadhdmc=c4oadhdhi;
c4ladhdmc=c4dadhdhi;
end;

labeled c4l_adhdc='hyperactive/impulsive ADHD,with duration criteria';
labeled c4lloadhdmc='Onset age:hyper/impul ADHD symptoms ,with duration criteria';
labeled c4ladhdmc='Onset age:hyper/impul ADHD diagnosis,with duration criteria';

j4l_adhdc = c4l_adhdc;
j4loadhdhi = c4loadhdhi;
j4ladhdhi = c4ladhdhi;

label j4l_adhdhi='hyperactive/impulsive ADHD, with duration criteria';
label j4loadhdhi='Onset age: hyper/impulsive ADHD symptoms, with duration criteria';
label j4ladhdhi='Onset age: hyper/impulsive ADHD diagnosis, with duration criteria';

*** create impairment in two situations criterion ***;
c4ssith=sum(of cra1i02 cra4i02 crb5i02 crc3i04);
if c4ssith ge 1 then c4_sith=1;
else if c4ssith ne . then c4_sith=0;
label c4ssith='# ADHD impairments: home (scale 0-8)';
label c4_sith='any ADHD impairment in the home';

c4ssits=sum(of cra1i03 cra4i03 crb5i03 crc3i05);
if c4ssits ge 1 then c4_sits=1;
else if c4ssits ne . then c4_sits=0;
label c4ssits='# ADHD impairments: school/daycare (scale 0-8)';
label c4_sits='any ADHD impairment in school';

c4ssite=sum(of cra1i04 cra4i04 crb5i04 crc3i06);
if c4ssite ge 1 then c4_site=1;
else if c4ssite ne . then c4_site=0;
label c4ssite='# impairments: elsewhere (scale 0-8)';
label c4_site='impairment elsewhere';

if sum(c4_sith, c4_sits, c4_site)>= 2 then csadhinc=1;
else if c4_sith ne . or c4_sits ne . or c4_site ne . then csadhinc=0;

label csadhinc='ADH impairment in two or more settings';

if c4l_adhdhi =1 and csadhinc=1 then c4li_adhdhi=1;
else if c4l_adhdhi ne . or csadhinc ne . then c4li_adhdhi=0;

chypon=int(jage-(max(of crb5o01 cra1o01 crc3o01 cra4o01)/365.25));
label chypon='age at ADHD onset';

if c4li_adhdhi=1 and . lt chypon lt 7 then c4lio_adhdhi=1;
else if c4li_adhdhi ne . or chypon ne . then c4lio_adhdhi=0;

label c4li_adhdhi='hyperactive/impulsive adhd with impairment criteria';
label c4lio_adhdhi='hyperactive/impulsive adhd with impairment criteria and onset';

j4li_adhdhi = c4li_adhdhi;
j4lio_adhdhi = c4lio_adhdhi;

label j4li_adhdhi='hyperactive/impulsive adhd with impairment criteria';
label j4lio_adhdhi='hyperactive/impulsive adhd with impairment criteria and onset';
END;
### Description

**Definition:**

A. Both (1) and (2):

(1) six (or more) of the following symptoms of inattention have persisted for at least 6 months to a degree that is maladaptive and inconsistent with developmental level:

- **Inattention.**
  - (a) often fails to give close attention to details or makes careless mistakes in schoolwork, work, or other activities.
  - (b) often has difficulty sustaining attention in tasks or play activities.
  - (c) often does not seem to listen when spoken to directly.

  - (d) 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).

  - (e) often has difficulty organizing tasks and activities.

  - (f) often avoids, dislikes, or is reluctant to engage in tasks that require sustained mental effort (such as schoolwork or homework).
(g) often loses things necessary for tasks or activities (eg.,
toys, school assignments, pencils, books, or tools).

(h) is often easily distracted by extraneous stimuli.

(i) is often forgetful in daily activities.

(2) six (or more) of the following symptoms of hyperactivity-
impulsivity have persisted for at least 6 months to a degree that is
maladaptive and inconsistent with developmental level:

Hyperactivity

(a) often figets with hands or feet or squirms in seat.
(b) often leaves seat in classroom or in other situations in
which remaining seated is expected.
(c) 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).
(d) often has difficulty playing or engaging in leisure
activities quietly.
(e) if often "on the go" or often acts as if "driven by a motor".
(f) often talks excessively.

Impulsivity

(g) often blurts out answers before questions have been completed.
(h) often has difficulty awaiting turn.
(i) often interrupts or intrudes on others (eg., butts into
conversations or games).

********************************************************************
B. Some hyperactive-impulsive or inattentive symptoms that caused
impairment were present before age 7 years.

********************************************************************
C. Some impairment from the symptoms is present in two or more settings
(eg., at school[or work] and at home).

********************************************************************
D. There must be clear evidence of clinically significant impairment
in social, academic, or occupational functioning. ***;

********************************************************************
E. The symptoms do not occur exclusively during the course of a
Pervasive Developmental Disorder, Schizophrenia, or other
Psychotic Disorder and are not better accounted for by another
mental disorder(eg.,Mood Disorder, Anxiety Disorder, Dissociative
Disorder, or a Personality Disorder). ***;

Informant: Parent only data.

Note:

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<thead>
<tr>
<th>SYMPTOM VARIABLE(S)</th>
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<tr>
<td>PAPA</td>
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**GLOSSARY NOTES**

**INATTENTION**

Inattention refers to failure to maintain involvement on age- and developmental stage-appropriate tasks sufficiently to allow their proper completion.

If the parent or teacher has developed specific routines for assisting the child in completing tasks (for instance, by simplifying instructions or repeating them frequently, or placing the child out of contact with all external stimuli), those routines constitute evidence of the presence of a codable problem.
**Hyperactivity** - Use whatever time period, primary, secondary or tertiary, was used for the school section, when the subject was present in school, for all Situational Specificity items, which require rating in the school setting.

**IMPULSIVITY**

A pattern of acting before thinking adequately about the consequences of actions. Everyone is impulsive sometimes, but here the coding requires that impulsivity is a characteristic feature of the child's behavior.

Ratings are made for presence of impulsive patterns in several areas. No distinction is made about location, type of activity, or motivation until the end of the section. No durations are coded and the 10 minute rule is not relevant here.

### N, WEIGHTED PREVALENCE, AND MISSING DATA

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<th></th>
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<th>N</th>
<th>CAPA Weighted</th>
<th>N</th>
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Missing data notes:
- PAPA: no notes.
- CAPA: no notes.
- YAPA: no notes.

### OTHER VARIABLES

**J4SADHDC**= ‘Number of symptoms: Combination of inattention and hyper/impulsive’

**J4OADHDC**= ‘Onset age: Combination of inattention and hyper/impulsive symptoms’
J4DADHDC = ‘Onset age: Combination of inattention and hyper/impulsive diagnosis’

SAS CODE

**************SAS Code for PAPA**********************;
*** Inattention ***;
p4nadhd1=sum(of p4nadhd1-p4nadhd9);
p4oadhdi=min(of p4oadhdi1-p4oadhdi9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p41adhd1 p4oadhd1-p4oadhd9;
array p4xadhd1 p4xadhd11-p4xadhd19;
if p4nadhd1 ge 6 then do;
do over p41adhd1;
p4xadhd1=p41adhd1;
   end;
do i=1 to 6;
p4dadhd1=min(of p4xadhd11-p4xadhd19);
   if i<6 then do over p4xadhd1;
      if p4dadhd1=p4xadhd1 and p4dadhd1 ^= . then do;
p4dadhd1=.;
p4xadhd1=.;
      end;
   end;
end;
end;
drop p4xadhd11-p4xadhd19;

label p4nadhd1='# of 9 possible inattention symptoms';
label p4oadhdi='6 or more of 9 inattention symptoms';
label p4oadhd1='Onset age:inattention symptoms';
label p4dadhd1='Onset age:inattention diagnosis';

*** hyperactivity ***;
p4nadhdh=mm(abs of p4nadhd10-p4nadhd15);
p4oadhdi=min(of p4oadhdi10-p4oadhdi15);

*** impulsivity ***;
p4nadhdImp=sum(of p4nadhd16-p4nadhd18);
p4oadhdi=min(of p4oadhdi16-p4oadhdi18);
label p4nadhdImp='# of 3 impulsive symptoms';
label p4oadhdi='Onset age: of impulsive symptoms';
p4nadhdhi=sum(of p4nadhdHyp p4nadhdImp);
p4oadhdi=min(of p4oadhdiHyp p4oadhdiImp);
label
p4nadhdhi='# of 9 hyper/impulsive symptoms'
P4oadhdhi='onset age hyper/impulsive symptoms'

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array p41adhd p4oadhd10-p4oadhd18;
array p4xadhd p4xadhd10-p4xadhd18;

if p4nadhdhi ge 6 then do;
  do over p41adhd;
  p4xadhd=p41adhd;
  end;
  do i=1 to 6;
    p4dadhdhi=min(of p4xadhd10-p4xadhd18);
    if i<6 then do over p4xadhd;
      if p4dadhdhi=p4xadhd and p4dadhdhi^=.
      then do;
        p4dadhdhi=.
        p4xadhd=.
      end;
    end;
  end;
end;
end;
drop p4xadhd10-p4xadhd18;

label p4nadhdhi='# of hyper/impulsive sympotms';
label p4oadhdhi='Onset age:hyper/impulsive symptoms';
label p4dadhdhi='Onset age:hyper/impulsive diagnosis';

***Combined ADHD***;

if p4nadhdhi ge 6 and p4nadhdhi ge 6
  then do;
    p4_adhdc=1;
    p4oadhdhc=max(p4oadhdhi,p4oadhdhi);
    p4dadhdhc=max(p4dadhdhi,p4dadhdhi);
  end;
else if p4nadhdhi ne . or p4nadhdhi ne . then p4_adhdc=0;

label p4_adhdc='Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
label p4oadhdhc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
label p4dadhdhc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';

j4_adhdc = p4_adhdc;
j4oadhdhc = p4oadhdhc;
j4dadhdhc = p4dadhdhc;

label j4_adhdc='Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
label j4oadhdhc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
label j4dadhdhc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';

if p4nadhdhi ge 6 and p4nadhdhi ge 6 and
  (prb5o01 ge 182 or pra1001 ge 182 or
  prc3o01 ge 182 or pra4o01 ge 182)
  then do;
p4l_adhdc=1;
p4loadhdc=max(p4oadhdi,p4oadhdhi);
p4ldadhdc=max(p4dadhdi,p4dadhdhi);
end;
else if p4nadhi ne . or p4nadhdhi ne . then p4l_adhdc=0;

label p4l_adhdc='Combined type ADHD:inatt. + hyper/impulsive,with duration criteria';
label p4loadhdc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label p4ldadhdc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';

j4l_adhdc = p4l_adhdc;
j4loadhdc = p4loadhdc;
j4ldadhdc = p4ldadhdc;

label j4l_adhdc='Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label j4loadhdc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label j4ldadhdc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';

*** create impairment in two situations criterion ***;

p4nsith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);
if p4nsith ge 1 then p4_sith=1;
else if p4nsith ne . then p4_sith=0;

label p4nsith='# ADHD impairments: home (scale 0-8)';
label p4_sith='any ADHD impairment in the home';

p4nsits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);
if p4nsits ge 1 then p4_sits=1;
else if p4nsits ne . then p4_sits=0;

label p4nsits='# ADHD impairments: school/daycare (scale 0-8)';
label p4_sits='any ADHD impairment in school';

p4nsite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);
if p4nsite ge 1 then p4_site=1;
else if p4nsite ne . then p4_site=0;

label p4nsite='# impairments: elsewhere (scale 0-8)';
label p4_site='impairment elsewhere';

if sum(p4_sith, p4_sits, p4_site)>= 2 then pnadhinc=1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then pnadhinc=0;

label pnadhinc='ADH impairment in two or more settings';

if p4l_adhdc =1 and pnadhinc=1 and p_inc=1 then p4li_adhdc=1;
else if p4l_adhdc ne . or pnadhinc ne . then p4li_adhdc=0;

if p4li_adhdc=1 and p4loadhdc ne . then p4lio_adhdc=1;
else if p4li_adhdc ne . or p4loadhdc ne . then p4lio_adhdc=0;
label p4li_adhdc = 'combined DSM adhd with impairment criteria';
label p4lio_adhdc = 'combined DSM adhd with impairment criteria and onset';

j4li_adhdc = p4li_adhdc;
j4lio_adhdc = p4lio_adhdc;

label j4li_adhdc = 'combined DSM adhd with impairment criteria';
label j4lio_adhdc = 'combined DSM adhd with impairment criteria and onset';

**************SAS Code for CAPA*********************;

If yapa ne 1 then do;
*** Inattention ***;
p4sadhd1 = sum(of p4nadhd1 - p4nadhd9);
p4oadhd1 = min(of p4oadhd1 - p4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p41adhdi p4OADHD1-p4OADHD9;
array p4xadhdi p4XADHD1-p4XADHD9;
if p4sadhd1 ge 6 then do;
  do over p41adhdi;
    p4xadhdi = p41adhdi;
  end;
  do i=1 to 6;
    p4dadhd1 = min(of p4xadhdi1-p4xadhdi9);
    if i<6 then do over p4xadhdi;
      if p4dadhd1=p4xadhdi and p4dadhd1 ^= . then do;
        p4dadhd1 = .;
        p4xadhdi = .;
      end;
    end;
  end;
end;
drop p4xadhdi1-p4xadhdi9;

label p4sadhd1 = '# of 9 possible inattention symptoms';
label p4oadhd1 = 'Onset age:inattention symptoms';
label p4dadhd1 = 'Onset age:inattention diagnosis';
*** hyperactivity ***;

p4sadhdh = sum(of p4nadhd10-p4nadhd15);
p4oadhdh = min(of p4oadhd10-p4oadhd15);

label p4sadhdh = 'N of 6 DSM-IV hyperactive symptoms';
label p4oadhdh = 'Onset age:DSM-IV hyperactive symptoms';
*** impulsivity ***;
p4sadhdImp=sum(of p4nadhd16-p4nadhd18);
p4oadhdImp=min(of p4oadhd16-p4oadhd18);
label p4sadhdImp='# of 3 impulsive symptoms';
label p4oadhdImp='Onset age: of impulsive symptoms';
p4sadhdhi=sum(of p4sadhdh p4sadhdImp);
p4oadhdhi=min(of p4oadhdh p4oadhdImp);
label p4sadhdhi='# of 9 hyper/impulsive symptoms'
P4oadhdhi='onset age hyper/impulsive symptoms';

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p41adhd p4oadhd10-p4oadhd18;
array p4xadhd p4xadhd10-p4xadhd18;
if p4sadhdhi ge 6 then do;
do over p41adhd;
p4xadhd=p41adhd;
end;
do i=1 to 6;
p4dadhdhi=min(of p4xadhd10-p4xadhd18);
   if i<6 then do over p4xadhd;
      if p4dadhdhi=p4xadhd and p4dadhdhi^=.
         then do;
p4dadhdhi=.;
p4xadhd=.;
end;
end;
end;
drop p4xadhd10-p4xadhd18;

label p4sadhdhi='# of hyper/impulsive symptoms';
label p4oadhdhi='Onset age:hyper/impulsive symptoms';
label p4dadhdhi='Onset age:diagnosis hyper/impulsive symptoms';

***Combined ADHD***;
if p4sadhdhi ge 6 and p4sadhdhi ge 6
   then do;
p4_adhdc=1;
p4oadhdc=max(p4oadhd1,p4oadhdhi);
p4dadhdc=max(p4dadhd1,p4dadhdhi);
end;
else if p4sadhdh ne . or p4sadhdh ne . then p4_adhdc=0;
label p4_adhdc='Combined ADHD:inatt. + hyper/impulsive,no duration criteria';
label p4oadhdc='Onset age: symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label p4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
j4_adhdc = p4_adhdc;
j4oadhdc = p4oadhdc;
j4dadhc = p4dadhc;

*label* j4_adhdc='Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
*label* j4oadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
*label* j4dadhc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';

```plaintext
if p4sadhdi ge 6 and p4sadhdhi ge 6 and
   (prb5o01 ge 182 or pra1o01 ge 182 or
    prc3o01 ge 182 or pra4o01 ge 182)
then do;
p4l_adhdc=1;
p4loadhdc=max(p4oadhdi,p4oadhdhi);
p4ldadhdc=max(p4dadhdi,p4dadhdhi);
end;
else if p4sadhdi ne . or p4sadhdhi ne . then p4l_adhdc=0;

*label* p4l_adhdc='Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
*label* p4loadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
*label* p4ldadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

j4l_adhdc = p4l_adhdc;
j4loadhdc = p4loadhdc;
j4ldadhdc = p4ldadhdc;

*label* j4l_adhdc='Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
*label* j4loadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
*label* j4ldadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

*** create impairment in two situations criterion ***;

p4ssith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);

if p4ssith ge 1 then p4_sith=1;
else if p4ssith ne . then p4_sith=0;

*label* p4ssith='# ADHD impairments: home (scale 0-8)';
*label* p4_sith='any ADHD impairment in the home';

p4ssits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);

if p4ssits ge 1 then p4_sits=1;
else if p4ssits ne . then p4_sits=0;

*label* p4ssits='# ADHD impairments: school/daycare (scale 0-8)';
*label* p4_sits='any ADHD impairment in school';

p4ssite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);

if p4ssite ge 1 then p4_site=1;
else if p4ssite ne . then p4_site=0;
label p4ssite='# impairments: elsewhere (scale 0-8)';
label p4_site='impairment elsewhere';

if sum(p4_sith, p4_sits, p4_site)>= 2 then psadhinc=1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then psadhinc=0;

label psadhinc='ADH impairment in two or more settings';
if p4l_adhdc =1 and psadhinc=1 then p4li_adhdc=1;
else if p4l_adhdc ne . or psadhinc ne . then p4li_adhdc=0;
phypon=int(jage-(max(of prb5o01 pra1o01 prc3o01 pra4o01)/365.25));
label phypon='age at ADHD onset';
if p4li_adhdc=1 and . lt phypon lt 7 then p4liio_adhdc=1;
else if p4li_adhdc ne . or phypon ne . then p4liio_adhdc=0;

label p4li_adhdc ='combined DSM adhd with impairment criteria';
label p4liio_adhdc='combined DSM adhd with impairment criteria and onset';
j4li_adhdc = p4li_adhdc;
j4lio_adhdc = p4liio_adhdc;

label j4li_adhdc ='combined DSM adhd with impairment criteria';
label j4lio_adhdc='combined DSM adhd with impairment criteria and onset';

END;

***********SAS Code for YAPA***********

If yapa = 1 then do;

*** Inattention ***;
c4sadhd1=sum(of c4nadhd1-c4nadhd9);
c4oadhd1=min(of c4oadhd1-c4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array c41adhd1 c4oadhd1-c4oadhd9;
array c4xadhd1 c4xadhd11-c4xadhd19;
if c4sadhd1 ge 6 then do;
do over c41adhd1;
c4xadhd1=c41adhd1;
end;
do i=1 to 6;
c4dadhd1=min(of c4xadhd11-c4xadhd19);
if i<6 then do over c4xadhd1;
if c4dadhd1=c4xadhd1 and c4dadhd1^=. then do;
c4dadhd1=.;
c4xadhd1=.;
end;
end;
end;
drop c4xadhd11-c4xadhd19;

_label c4sadhd1='# of 9 possible inattention symptoms';
_label c4oadhd1='Onset age:inattention symptoms';
_label c4dadhd1='Onset age:inattention diagnosis';

*** hyperactivity ***;

c4sadhdh=sum(of c4nadhdi10-c4nadhdi15);
c4oadhdh=min(of c4oadhd10-c4oadhd15);

_label c4sadhdh='N of 6 DSM-IV hyperactive symptoms';
_label c4oadhdh='Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;

c4sadhdImp=sum(of c4nadhd16-c4nadhd18);
c4oahdImp=min(of c4oadhd16-c4oadhd18);

_label c4sadhdImp='# of 3 impulsive symptoms';
_label c4oadhdImp='Onset age: of impulsive symptoms';

c4sadhdhi=sum(of c4sadhdh c4sadhdImp);
c4oadhdhi=min(of c4oahdhdh c4oahdImp);

_label c4sadhdhi='# of 9 hyper/impulsive symptoms'
  _label c4oadhdhi='onset age hyper/impulsive symptoms';

  *** find the sixth largest date of onset to match the
  requirement for first 6 symptoms ***;

  array c41adhd c4oadhd10-c4oadhd18;
  array c4xadhd c4xadhd10-c4xadhd18;

  if c4sadhdhi ge 6 then do;
      do over c41adhd;
          c4xadhd=c41adhd;
      end;
      do i=1 to 6;
          c4dadhdhi=min(of c4xadhdi10-c4xadhdi18);
          if i<6 then do over c4xadhd;
              if c4dadhdhi=c4xadhdi and c4dadhdhi^=. then do;
                  c4dadhdhi=.;
                  c4xadhdi=.;
              end;
          end;
      end;
  end;
  drop c4xadhd10-c4xadhd18;

_label c4sadhdhi='# of hyper/impulsive symptoms';
_label c4oadhdhi='Onset age:hyper/impulsive symptoms';
_label c4dadhdhi='Onset age:hyper/impulsive diagnosis';
***Combined ADHD***;

if c4sadhdi ge 6 and c4sadhdhi ge 6
then do;
  c4_adhdc=1;
  c4oadhdc=max(c4oadhdi,c4oadhdhi);
  c4dadhdc=max(c4dadhdi,c4dadhdhi);
end;
else if c4sadhdi ne . or c4sadhdhi ne . then c4_adhdc=0;

label c4_adhdc='Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label c4oadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label c4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';

j4_adhdc = c4_adhdc;
j4oadhdc = c4oadhdc;
j4dadhdc = c4dadhdc;

label j4_adhdc='Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label j4oadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label j4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';

if c4sadhdi ge 6 and c4sadhdhi ge 6 and
  (crb5o01 ge 182 or cra1001 ge 182 or
crc3o01 ge 182 or cra4001 ge 182)
then do;
  c4l_adhdc=1;
  c4loadhdc=max(c4oadhdi,c4oadhdhi);
  c4dadhdc=max(c4dadhdi,c4dadhdhi);
end;
else if c4sadhdi ne . or c4sadhdhi ne . then c4l_adhdc=0;

label c4l_adhdc='Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label c4loadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label c4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

j4l_adhdc = c4l_adhdc;
j4loadhdc = c4loadhdc;
j4dadhdc = c4dadhdc;

label j4l_adhdc='Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label j4loadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label j4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

*** create impairment in two situations criterion ***;

c4ssith=sum(of cra1i02 cra4i02 crb5i02 crc3i04);
if c4ssith ge 1 then c4_sith=1;
else if c4ssith ne then c4_sith=0;

label c4ssith="# ADHD impairments: home (scale 0-8)';
label c4_sith='any ADHD impairment in the home';

c4ssits=sum(of cra1i03 cra4i03 crb5i03 crc3i05);
if c4ssits ge 1 then c4_sits=1;
else if c4ssits ne then c4_sits=0;

label c4ssits="# ADHD impairments: school/daycare (scale 0-8)';
label c4_sits='any ADHD impairment in school';

c4ssite=sum(of cra1i04 cra4i04 crb5i04 crc3i06);
if c4ssite ge 1 then c4_site=1;
else if c4ssite ne then c4_site=0;

label c4ssite="# impairments: elsewhere (scale 0-8)';
label c4_site='impairment elsewhere';

if sum(c4_sith, c4_sits, c4_site) ge 2 then csadhinc=1;
else if c4_sith ne or c4_sits ne or c4_site ne then csadhinc=0;

label csadhinc='ADH impairment in two or more settings';

if c4l_adhdc=1 and csadhinc=1 then c4li_adhdc=1;
else if c4l_adhdc ne or csadhinc ne then c4li_adhdc=0;
chypon=int(jage-(max(of crb5o01 cra1o01 crc3o01 cra4o01)/365.25));
label chypon='age at ADHD onset';

if c4li_adhdc=1 and .lt chypon lt 7 then c4lio_adhdc=1;
else if c4li_adhdc ne or chypon ne then c4lio_adhdc=0;

label c4li_adhdc = 'combined DSM adhd with impairment criteria';
label c4lio_adhdc = 'combined DSM adhd with impairment criteria and onset';

j4li_adhdc = c4li_adhdc;
j4lio_adhdc = c4lio_adhdc;

label j4li_adhdc = 'combined DSM adhd with impairment criteria';
label j4lio_adhdc = 'combined DSM adhd with impairment criteria and onset';
J4LIO: ADHD with impairment plus onset and starting under 7 years old
(NOTE that this variable is the same as the old variable p4lo_hy)

ADHD Variable List
Description
Symptom Variable(s)
Glossary Notes
Additional Variables
N, Weighted Prevalence, and Missing Data
Citations
SAS CODE

DESCRIPTION

DSM-IV definition:

A. Either (1) or (2):

(1) six (or more) of the following symptoms of inattention have persisted for at least 6 months to a degree that is maladaptive and inconsistent with developmental level:

Inattention.

(a) often fails to give close attention to details or makes careless mistakes in schoolwork, work, or other activities.

(b) often has difficulty sustaining attention in tasks or play activities.

(c) often does not seem to listen when spoken to directly.

(d) 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).

(e) often has difficulty organizing tasks and activities.

(f) often avoids, dislikes, or is reluctant to engage in tasks that require sustained mental effort (such as schoolwork or homework).
(g) often loses things necessary for tasks or activities (eg.,
tous, school assignments, pencils, books, or tools).

(h) is often easily distracted by extraneous stimuli.

(i) is often forgetful in daily activities.

(2) six (or more) of the following symptoms of hyperactivity-
impulsivity have persisted for at least 6 months to a degree that is
maladaptive and inconsistent with developmental level:

Hyperactivity

(a) often figets with hands or feet or squirms in seat.
(b) often leaves seat in classroom or in other situations in
which remaining seated is expected.
(c) 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).
(d) often has difficulty playing or engaging in leisure
activities quietly.
(e) if often "on the go" or often acts as if "driven by a motor".
(f) often talks excessively.

Impulsivity

(g) often blurs out answers before questions have been completed.
(h) often has difficulty awaiting turn.
(i) often interrupts or intrudes on others (eg., butts into
conversations or games).

B. Some hyperactive-impulsive or inattentive symptoms that caused
impairment were present before age 7 years.

C. Some impairment from the symptoms is present in two or more settings
(eg., at school[or work] and at home).

D. There must be clear evidence of clinically significant impairment
in social, academic, or occupational functioning.*

E. The symptoms do not occur exclusively during the course of a
Pervasive Developmental Disorder, Schizophrenia, or other
Psychotic Disorder and are not better accounted for by another
mental disorder(eg., Mood Disorder, Anxiety Disorder, Dissociative
Disorder, or a Personality Disorder). ***;

Inattentive

Informant: PAPA- Parent only.
CAPA- Parent only.
YAPA- Self-report.

Note:

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GLOSSARY NOTES

INATTENTION

Inattention refers to failure to maintain involvement on age- and developmental stage-appropriate tasks sufficiently to allow their proper completion.
If the parent or teacher has developed specific routines for assisting the child in completing tasks (for instance, by simplifying instructions or repeating them frequently, or placing the child out of contact with all external stimuli), those routines constitute evidence of the presence of a codable problem.

**Hyperactivity** - Use whatever time period, primary, secondary or tertiary, was used for the school section, when the subject was present in school, for all Situational Specificity items, which require rating in the school setting.

**IMPULSIVITY**

A pattern of acting before thinking adequately about the consequences of actions. Everyone is impulsive sometimes, but here the coding requires that impulsivity is a characteristic feature of the child's behavior.

Rates are made for presence of impulsive patterns in several areas. No distinction is made about location, type of activity, or motivation until the end of the section. No durations are coded and the 10 minute rule is not relevant here.

### N, WEIGHTED PREVALENCE, AND MISSING DATA

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<td>2.79</td>
<td>28</td>
<td>.92</td>
<td>113</td>
<td>.21</td>
<td>9</td>
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</table>

Missing data notes:
- **PAPA**: no notes.
- **CAPA**: no notes.
- **YAPA**: no notes.

### OTHER VARIABLES
**J4SADHD** = ‘Number of symptoms: Any ADHD’

**J4OADHD** = ‘Onset age: Any ADHD symptoms’

**J4DADHD** = ‘Onset age: Any ADHD diagnosis’

**SAS CODE**

```sas
**************SAS Code for PAPA**********************;
*** Inattention ***;
p4nadhd1=sum(of p4nadhd1-p4nadhd9);
p4oadhd1=min(of p4oadhd1-p4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p41adhd1 p4oadhd1-p4oadhd9;
array p4xadhd1 p4xadhd1-p4xadhd9;
if p4nadhd1 ge 6 then do;
do over p41adhd1;
p4xadhd1=p41adhd1;
end;
do i=1 to 6;
p4dadhd1=min(of p4xadhd1-p4xadhd9);
   if i<6 then do over p4xadhd1;
      if p4dadhd1=p4xadhd1 and p4dadhd1^=. then do;
         p4dadhd1=.;
p4xadhd1=.;
      end;
   end;
end;
drop p4xadhd1-p4xadhd9;

label p4nadhd1='# of 9 possible inattention symptoms';
label p4_adhd1='6 or more of 9 inattention symptoms';
label p4oadhd1='Onset age:inattention symptoms';
label p4dadhd1='Onset age:inattention diagnosis';

*** hyperactivity ***;
p4nadhdh=sum(of p4nadhd10-p4nadhd15);
p4oadhdh=min(of p4oadhd10-p4oadhd15);

label p4nadhdh='N of 6 DSM-IV hyperactive symptoms';
label p4oadhdh='Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;
p4nadhdImp=sum(of p4nadhd16-p4nadhd18);
p4oadhdImp=min(of p4oadhd16-p4oadhd18);
```
**label** p4nadhdImp='# of 3 impulsive symptoms';

**label** p4oadhdImp='Onset age: of impulsive symptoms';

p4nadhdhi=sum(of p4nadhdHyp p4nadhdImp);
p4oadhdhi=min(of p4oadhdHyp p4oadhdImp);

**label** p4nadhd='# of 9 hyper/impulsive symptoms'

**label** p4oadhd='Onset age hyper/impulsive symptoms';

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

**array** p4adhd p4oadhd10-p4oadhd18;

**array** p4xadhd p4xadhd10-p4xadhd18;

**if** p4nadhdhi ge 6 **then** do;

**do** over p4adhd;
p4xadhd=p4adhd;
**end**;

**do** i=1 to 6;
p4adadhdhi=min(of p4xadhd10-p4xadhd18);
**if** i<6 **then** do over p4adhd;
  **if** p4dadhdhi=p4adadhd and p4dadhdhi^=. **then** do;
p4dadhdh1=.;
p4adadhd=.;
  **end**;
**end**;
**end**;

**drop** p4xadhd10-p4xadhd18;

**label** p4adhdhi='# of hyper/impulsive symptoms';
**label** p4oadhdhi='Onset age:hyper/impulsive symptoms';
**label** p4dadhdhi='Onset age:diagnosis';

***Combined ADHD***;

**if** p4nadhdi ge 6 and p4nadhdhi ge 6 **then** do;

**p4_adhdc=1**;
p4oadhdc=max(p4oadhd1,p4oadhdhi);
p4dadhdc=max(p4dadhd1,p4dadhdhi);
**end**;

**else if** p4nadhd1 ne . or p4nadhdhi ne . **then** p4_adhdc=0;

**label** p4_adhdc='Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
**label** p4oadhd='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';
**label** p4dadhd='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, no duration criteria';

**if** p4nadhdhi ge 6 and p4nadhdhi ge 6 and (prb5001 ge 182 or pra1001 ge 182 or prc3001 ge 182 or pra4001 ge 182) **then** do;
p4l_adhdc=1;
p4loadhdc=max(p4oadhd1,p4oadhdhi);
p4ladhdhdc=max(p4dadhd1,p4dadhdhi);
**end**;
else if p4nadhdhi ne . or p4nadhdhi ne . then p4l_adhdc=0;

label p4l_adhdc='Combined type ADHD:inatt. + hyper/impulsive,with duration criteria';
label p4loadhdhc='Onset age:symptoms Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';
label p4laddhdc='Onset age:diagnosis Combined type ADHD:inatt. + hyper/impulsive, with duration criteria';

***Predominantly Inattentive ADHD***;
if p4nadhdge 6 and p4_adhdc ne 1 then p4_adhdi=1;
else if p4nadhd ne . then p4_adhdi=0;

label p4_adhdi='Inattentive type ADHD,no duration criteria';
label p4oadhdhi='Onset age:Inattentive type ADHD symptoms ,no duration criteria';
label p4dadhdhi='Onset age:Inattentive type ADHD diagnosis,with duration criteria';

if p4nadhdge 6 and p4l_adhdc ne 1 and prb5001 ge 182 then p4l_adhdi=1;
else if p4nadhd ne . then do;
p4l_adhdi=0;
p4loadhdhi=p4oadhdhi;
p4laddhdi=p4dadhdhi;
end;

label p4l_adhdi='Inattentive type ADHD,with duration criteria';
label p4loadhdhi='Onset age:Inattentive type ADHD symptoms ,with duration criteria';
label p4dadhdhi='Onset age:Inattentive type ADHD diagnosis,with duration criteria';

***Predominantly Hyperactive/Impulsive ADHD***;
if p4nadhdhi ge 6 and p4_adhdc ne 1 then p4_adhdhi=1;
else if p4nadhdhi ne . then p4_adhdhi=0;

label p4_adhdhi='hyperactive/impulsive type ADHD,with duration criteria';
label p4oadhdhi='Onset age:hyper/impulsive type ADHD symptoms ,with duration criteria';
label p4dadhdhi='Onset age:hyper/impulsive type ADHD diagnosis,with duration criteria';

if p4nadhdhi ge 6 and p4l_adhdc ne 1 and (pra1001 ge 182 or prc3001 ge 182 or pra4001 ge 182) then p4l_adhdhi=1;
else if p4nadhdhi ne . then do;
p4l_adhdhi=0;
p4loadhdhi=p4oadhdhi;
p4laddhdi=p4dadhdhi;
end;

label p4l_adhdhi='hyperactive/impulsive type ADHD,with duration criteria';
label p4loadhdhi='Onset age:hyper/impulsive type ADHD symptoms ,with duration criteria';
label p4dadhdhi='Onset age:hyper/impulsive type ADHD diagnosis,with duration criteria';

p4nadhd=sum(of p4nadhdhi p4nadhdhi);
p4oadhd=min(of p4oadhdhi p4oadhdhi);
p4dadhd=min(of p4dadhdhi p4dadhdhi);

label p4nadhd='# of ADHD symptoms (out of 18)';
if p4_adhdi=1 or p4_adhdhi=1 or p4_adhd=1 then do;
p4_adhd=1;
p4oadhd=min(p4oadhdi,p4oadhdhi,p4oadhdc);
p4dadhd=min(p4dadhdi,p4dadhdhi,p4dadhdc);
end;
else if p4_adhdi ne . or p4_adhdhi ne . or p4_adhdc ne . then p4_adhd=0;

label p4_adhd='any ADHD with onset, no duration criteria';
label p4oadhd='Onset age: any ADHD symptoms';
label p4dadhd='Onset age: any ADHD diagnosis';

j4_adhd = p4_adhd;
j4oadhd = p4oadhd;
j4dadhd = p4dadhd;

label j4_adhd='any ADHD with onset, no duration criteria';
label j4oadhd='Onset age: any ADHD symptoms';
label j4dadhd='Onset age: any ADHD diagnosis';

*** create impairment in two situations criterion ***;

p4nsith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);

if p4nsith ge 1 then p4_sith=1;
else if p4nsith ne . then p4_sith=0;

label p4nsith='# ADHD impairments: home (scale 0-8)';
label p4_sith='any ADHD impairment in the home';
p4nsits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);

if p4nsits ge 1 then p4_sits=1;
else if p4nsits ne . then p4_sits=0;

label p4nsits='# ADHD impairments: school/daycare (scale 0-8)';
label p4_sits='any ADHD impairment in school';
p4nsite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);

if p4nsite ge 1 then p4_site=1;
else if p4nsite ne . then p4_site=0;

label p4nsite='# impairments: elsewhere (scale 0-8)';
label p4_site='impairment elsewhere';

if sum(p4_sith, p4_sits, p4_site)>= 2 then pnadhinc=1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then pnadhinc=0;

label pnadhinc='ADHD impairment in two or more settings';

if p41_adhd =1 and pnadhinc=1 and p_inc=1 then p4li_adhd=1;
else if p41_adhd ne . or pnadhinc ne . then p4li_adhd=0;

if p41_adhd=1 and p4loadhd ne . then p4lio_adhd=1;
else if p41_adhd ne . or p4loadhd ne . then p4lio_adhd=0;

label p4li_adhd='overall DSM adhd with impairment criteria';
j4li_adhd = p4li_adhd;
label j4li_adhd = 'overall DSM adhd with impairment criteria';
label p4lio_adhd = 'overall DSM adhd with impairment criteria and onset';
j4li_adhd = p4lio_adhd;
label j4li_adhd = 'overall DSM adhd with impairment criteria and onset'

**************SAS Code for CAPA**********************;
If yapa ne 1 then do;

*** Inattention ***;
p4sadhdi = sum(of p4nadhd1-p4nadhd9);
p4oadhd1 = min(of p4oadhd1-p4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array p41adhdi p4oahd1-p4oahd9;
array p4xadhdi p4xadhdi1-p4xadhdi9;
if p4sadhdi ge 6 then do;
    do over p41adhdi;
        p4xadhdi = p41adhdi;
    end;
    do i=1 to 6;
        p4dadhd1 = min(of p4xadhd1-p4xadhd9);
    if i<6 then do over p4xadhd1;
        if p4dadhd1 = p4xadhd1 and p4dadhd1 ^= . then do;
            p4dadhd1 = .;
            p4xadhd1 = .;
        end;
    end;
end;
end;
drop p4xadhd1-p4xadhd9;

label p4sadhdi = '# of 9 possible inattention symptoms';
label p4eadhd1 = '6 or more of 9 inattention symptoms';
label p4oadhd1 = 'Onset age:inattention symptoms';
label p4dadhdi = 'Onset age:inattention diagnosis';

*** hyperactivity ***;
p4sadhdh = sum(of p4nadhd10-p4nadhd15);
p4oadhdh = min(of p4oadhd10-p4oadhd15);

label p4sadhdh = 'N of 6 DSM-IV hyperactive symptoms';
label p4oadhdh = 'Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;
p4sadhdhImp = sum(of p4nadhd16-p4nadhd18);
p4oadhdhImp = min(of p4oadhd16-p4oadhd18);
label p4sadhdhImp = '# of 3 impulsive symptoms';
label p4oadhdImp='Onset age: of impulsive symptoms';

p4asadhdhi=sum(of p4asadhdh p4asadhdImp);
p4oaoahdhi=min(of p4oaoahdh p4oaoahdImp);

label
  p4asadhdhi='# of 9 hyper/impulsive symptoms'
  P4oadhdhi='onset age hyper/impulsive symptoms';

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array p41adhd p4oadhd10-p4oadhd18;
array p4xadhd p4xadhd10-p4xadhd18;

if p4asadhdhi ge 6 then do;
  do over p41adhd;
    p4xadhd=p41adhd;
  end;
  do i=1 to 6;
    p4dadhdhi=min(of p4xadhd10-p4xadhd18);
    if i<6 then do over p4xadhd;
      if p4dadhdhi=p4xadhd and p4dadhdhi^=. then do;
        p4dadhdhi=.;
        p4xadhd=.;
      end;
    end;
  end;
end;

drop p4xadhd10-p4xadhd18;

label p4sadhdhi='# of hyper/impulsive symptoms';
label p4oaoahdhi='Onset age:hyper/impulsive symptoms';
label p4adadhdhi='Onset age:hyper/impulsive diagnosis';

***Combined ADHD***;

if p4sadhdhi ge 6 and p4sadhdhi ge 6
then do;
  p4_adhdc=1;
  p4oadhd=4poadhd(p4oadhd,p4oadhdhi);
  p4dadhd=4pdadhd(p4dadhd,p4dadhdhi);
end;
else if p4sadhdhi ne . or p4sadhdhi ne . then p4_adhdc=0;

label p4_adhdc='Combined ADHD:inatt. + hyper/impulsive,no duration criteria';
label p4oadhdhi='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label p4dadhdhi='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';

if p4sadhdhi ge 6 and p4sadhdhi ge 6
and (prb5o01 ge 182 or pra1o01 ge 182 or
 prc3o01 ge 182 or pra4o01 ge 182)
then do;
  p4l_adhdc=1;
  p4loadhd=p4oadhd(p4oadhd,p4oadhdhi);
p4ladhdc=max(p4dadhd1,p4adhdhi);

else if p4sadhd1 ne . or p4sadhdhi ne . then p41_adhdc=0;

label p41_adhdc='Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label p4loadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label p41dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

***Predominantly Inattentive ADHD***;
if p4sadhd1 ge 6 and p4_adhdc ne 1 then p4_adhdi=1;
else if p4sadhd1 ne . then p4_adhdi=0;

label p4_adhdi='Inattentive ADHD, no duration criteria';
label p4oadhdi='Onset age:Inattentive ADHD symptoms, no duration criteria';
label p4dadhdhi='Onset age:Inattentive ADHD diagnosis, no duration criteria';

if p4sadhd1 ge 6 and p41_adhdc ne 1 and prb5o01 ge 182 then p41_adhdi=1;
else if p4sadhd1 ne . then do;
   p41_adhdi=0;
p4loadhd1=p4oadhd1;
p4ladhdhi=p4adhdhi;
end;

label p41_adhdi='Inattentive ADHD, with duration criteria';
label p41oadhdi='Onset age:Inattentive ADHD symptoms, with duration criteria';
label p41dadhdhi='Onset age:Inattentive ADHD diagnosis, with duration criteria';

***Predominantly Hyperactive/Impulsive ADHD***;
if p4sadhdhi ge 6 and p4_adhdc ne 1 then p4_adhdhi=1;
else if p4sadhdhi ne . then p4_adhdhi=0;

label p4_adhdhi='hyperactive/impulsive ADHD, no duration criteria';
label p4oadhdhi='Onset age:hyper/impul ADHD symptoms, no duration criteria';
label p4dadhdhi='Onset age:hyper/impul ADHD diagnosis, no duration criteria';

if p4sadhdhi ge 6 and p41_adhdc ne 1 and (pra1o01 ge 182 or prc3o01 ge 182 or pr4o01 ge 182) then p41_adhdhi=1;
else if p4sadhdhi ne . then do;
   p41_adhdhi=0;
p4loadhdhi=p4oadhdhi;
p4ladhdhi=p4adhdhi;
end;

label p41_adhdhi='hyperactive/impulsive ADHD, with duration criteria';
label p41oadhdhi='Onset age:hyper/impul ADHD symptoms, with duration criteria';
label p41dadhdhi='Onset age:hyper/impul ADHD diagnosis, with duration criteria';

p4sadhd=sum(of p4sadhd, p4sadhdhi);
p4oadhd=min(of p4oadhd, p4oadhdhi);
p4dadhd=min(of p4dadhd, p4dadhdhi);

label p4sadhd='# of ADHD symptoms (out of 18)';
if p4_adhdi=1 or p4_adhdhi=1 or p4_adhdc=1 then do;
p4_adhd=1;
p4oadhd=min(p4oadhd,p4oadhdhi,p4oadhdc);
p4dadhd=min(p4dadhd,p4dadhdhi,p4dadhdc);
end;
else if p4_adhdi ne . or p4_adhdhi ne . or p4_adhdc ne . then p4_adhd=0;

label p4_adhd='any ADHD with onset, no duration criteria';
label p4oadhd='Onset age: any ADHD symptoms';
label p4dadhd='Onset age: any ADHD diagnosis';

j4_adhd = p4_adhd;
j4oadhd = p4oadhd;
j4dadhd = p4dadhd;

label j4_adhd='any ADHD with onset, no duration criteria';
label j4oadhd='Onset age: any ADHD symptoms';
label j4dadhd='Onset age: any ADHD diagnosis';

*** create impairment in two situations criterion ***;

p4ssith=sum(of pra1i02 pra4i02 prb5i02 prc3i04);
if p4ssith ge 1 then p4_sith=1;
else if p4ssith ne . then p4_sith=0;

label p4ssith='# ADHD impairments: home (scale 0-8)';
label p4_sith='any ADHD impairment in the home';

p4ssits=sum(of pra1i03 pra4i03 prb5i03 prc3i05);
if p4ssits ge 1 then p4_sits=1;
else if p4ssits ne . then p4_sits=0;

label p4ssits='# ADHD impairments: school/daycare (scale 0-8)';
label p4_sits='any ADHD impairment in school';

p4ssite=sum(of pra1i04 pra4i04 prb5i04 prc3i06);
if p4ssite ge 1 then p4_site=1;
else if p4ssite ne . then p4_site=0;

label p4ssite='# impairments: elsewhere (scale 0-8)';
label p4_site='impairment elsewhere';

if sum(p4_sith, p4_sits, p4_site)>= 2 then adhinc=1;
else if p4_sith ne . or p4_sits ne . or p4_site ne . then adhinc=0;

label adhinc='ADH impairment in two or more settings';

/*if p4sinat ge 6 and p4sadhdhi ge 6 and 
   (prb5o01 ge 182 or pra1o01 ge 182 or 
   prc3o01 ge 182 or pra4o01 ge 182)
then do;
p4l_adhdc=1;*/
p4loadhdc=max(p4oadhdi,p4oadhdhi);
p4ladhdc=max(p4dadhdi,p4dadhdhi);
end;
else if p4ninat ne . or p4sadhdhi ne . then p4l_hyi=0;
label p4l_adhdc='Combined ADHD:inatt. + hyper/impulsive';
label p4loadhdc='Combined ADHD:Onset age:symptoms';
label p4ldadhdc='Combined ADHD:Onset age:diagnosis';
*/
if p4l_adhdi=1 or p4l_adhdhi=1 or p4l_adhdc=1 then do;
p4loadhd=min(p4loadhdi,p4loadhdhi,p4loadhdc);
p4ladhd=min(p4ladhdi,p4ladhdhi,p4ladhdc);
end;
else if p4l_adhdi ne . or p4l_adhdhi ne . or p4l_adhdc ne . then p4l_adhd=0;
label p4l_adhd='ADHD with onset';
label p4loadhd='Onset age:ADHD symptoms with onset';
label p4ladhd='Onset age:ADHD diagnosis with onset';
if p4l_adhd =1 and adhinc=1 then p4li_adhd=1;
else if p4l_adhd ne . or adhinc ne . then p4li_adhd=0;
phypon=int(jage-max(of prb5o01 pral01 prc3o01 pra4o01)/365.25));
label phypon='age at ADHD onset';
if p4li_adhd=1 and . lt phypon lt 7 then p4lio_adhd=1;
else if p4li_adhd ne . or phypon ne . then p4lio_adhd=0;
label p4li_adhd = 'overall DSM adhd with impairment criteria';
j4li_adhd = p4li_adhd;
label j4li_adhd = 'overall DSM adhd with impairment criteria';
label p4lio_adhd='overall DSM adhd with impairment criteria and onset';
j4lio_adhd = p4lio_adhd;
label j4lio_adhd='overall DSM adhd with impairment criteria and onset';
end;
**************SAS Code for YAPA**********************;
If yapa = 1 then do;
*** Inattention ***;
c4sadhd1=sum(of c4nadhd1-c4nadhd9);
c4oadhd1=min(of c4oadhd1-c4oadhd9);

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;
array c41adhdi c4oadhdi1-c4oadhdi9;
array c4xadhdi c4xadhdi1-c4xadhdi9;
if c4sadhd1 ge 6 then do;
do over c41adhdi;
c4xadhdi=c41adhdi;
end;
do i=1 to 6;
c4dadhd1=min(of c4xadhd1-c4xadhd19);
if i<6 then do over c4xadhd1;
    if c4dadhd1=c4xadhd1 and c4dadhd1^=. then do;
        c4dadhd1=.;
        c4xadhd1=.;
    end;
end;
end;
end;
drop c4xadhd11-c4xadhd19;

label c4sadhd1='# of 9 possible inattention symptoms';
label c4oadhd1='Onset age:inattention symptoms';
label c4dadhd1='Onset age:inattention diagnosis';

*** hyperactivity ***;

c4sadhdh=sum(of c4nadh10-c4nadh15);
c4oadhdh=min(of c4oadhd10-c4oadhd15);

label c4sadhdh='N of 6 DSM-IV hyperactive symptoms';
label c4oadhdh='Onset age:DSM-IV hyperactive symptoms';

*** impulsivity ***;

c4sadhdImp=sum(of c4nadhd16-c4nadhd18);
c4oadhdImp=min(of c4oadhd16-c4oadhd18);

label c4sadhdImp='# of 3 impulsive symptoms';
label c4oadhdImp='Onset age: of impulsive symptoms';

c4sadhdhi=sum(of c4sadhdh c4sadhdImp);
c4oadhdhi=min(of c4oadhdh c4oadhdImp);

label c4sadhdhi='# of 9 hyper/impulsive symptoms'
c4oadhdhi='onset age hyper/impulsive symptoms';

*** find the sixth largest date of onset to match the requirement for first 6 symptoms ***;

array c41adhd c4oadhd10-c4oadhd18;
array c4xadhd c4xadhd10-c4xadhd18;
if c4sadhdhi ge 6 then do;
do over c41adhd;
c4xadhd=c41adhd;
end;
do i=1 to 6;
c4dadhdhi=min(of c4xadhd10-c4xadhd18);
if i<6 then do over c4xadhd;
    if c4dadhdhi=c4xadhd and c4dadhdhi^=. then do;
        c4dadhdhi=.;
        c4xadhd=.;
    end;
end;
end;
end;
drop c4xadhdi=c4xadhdi18;

label c4sadhdhi='# of hyper/impulsive symptoms';
label c4oadhdhi='Onset age:hyper/impulsive symptoms';
label c4dadhdhi='Onset age:hyper/impulsive diagnosis';

***Combined ADHD***

if c4sadhdi ge 6 and c4sadhdhi ge 6
then do;
c4_adhdc=1;
c4oadhdc=max(c4oadhdhi,c4adadhdi);
c4dadhdc=max(c4dadhdhi,c4dadhdi);
end;
else if c4sadhdi ne . or c4sadhdhi ne . then c4_adhdc=0;

label c4_adhdc='Combined ADHD:inatt. + hyper/impulsive,no duration criteria';
label c4oadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, no duration criteria';
label c4dadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, no duration criteria';

if c4sadhdi ge 6 and c4sadhdhi ge 6 and
  (crb5o01 ge 182 or cra1o01 ge 182 or
crc3o01 ge 182 or cra4o01 ge 182)
then do;
c4l_adhdc=1;
c4loadhdc=max(c4oadhdhi,c4adadhdi);
c4ldadhdc=max(c4dadhdhi,c4dadhdi);
end;
else if c4sadhdi ne . or c4sadhdhi ne . then c4l_adhdc=0;

label c4l_adhdc='Combined ADHD:inatt. + hyper/impulsive,with duration criteria';
label c4loadhdc='Onset age:symptoms Combined ADHD:inatt. + hyper/impulsive, with duration criteria';
label c4ldadhdc='Onset age:diagnosis Combined ADHD:inatt. + hyper/impulsive, with duration criteria';

***Predominantly Inattentive ADHD***

if c4sadhdi ge 6 and c4_adhdc ne 1
then c4_adhdi=1;
else if c4sadhdi ne . then c4_adhdi=0;

label c4_adhdi='Inattentive ADHD,no duration criteria';
label c4oadhdi='Onset age:Inattentive ADHD symptoms ,no duration criteria';
label c4dadhdi='Onset age:Inattentive ADHD diagnosis,no duration criteria';

if c4sadhdi ge 6 and c4l_adhdc ne 1 and
  crb5o01 ge 182 then c4l_adhdi=1;
else if c4sadhdi ne . then do;
c4l_adhdi=0;
c4loadhdi=c4oadhdhi;
c4ldadhdi=c4dadhdi;
end;
***Predominantly Hyperactive/Impulsive ADHD***;

```plaintext
if c4sadhdhi ge 6 and c4_adhdc ne 1
    then c4_adhdhi=1;
else if c4sadhdhi ne 1. then c4_adhdhi=0;
```

```plaintext
label c4_adhdhi='hyperactive/impulsive ADHD,no duration criteria';
label c4oadhdhi='Onset age:hyper/impul ADHD symptoms ,no duration criteria';
label c4dadhdhi='Onset age:hyper/impul ADHD diagnosis,no duration criteria';
```

```plaintext
if c4sadhdhi ge 6 and c4l_adhdc ne 1 and
    (cra1o01 ge 182 or crc3o01 ge 182 or
cra4o01 ge 182) then c4l_adhdhi=1;
else if c4sadhdhi ne 1. then do;
c4l_adhdhi=0;
c4loadhdhi=c4oadhdhi;
c4ldadhdhi=c4dadhdhi;
end;
```

```plaintext
label c4l_adhdhi='hyperactive/impulsive ADHD,with duration criteria';
label c4loadhdhi='Onset age:hyper/impul ADHD symptoms ,with duration criteria';
label c4ladhdhi='Onset age:hyper/impul ADHD diagnosis,with duration criteria';
```

```plaintext
c4sadhd=sum(of c4sadhdi c4sadhdhi);
c4oadhd=min(of c4oadhdi c4oadhdhi);
c4dadhd=min(of c4dadhdi c4dadhdhi);
```

```plaintext
label c4sadhd='# of ADHD symptoms (out of 18)';
```

```plaintext
if c4_adhd=1 or c4l_adhdhi=1 or c4_adhd=1 then do;
c4_adhd=1;
c4oadhd=min(c4oadhdi,c4oadhdhi,c4oadhd);c4dadhd=min(c4dadhdi,c4dadhdhi,c4dadhd);
end;
else if c4_adhd=1 or c4l_adhdhi=1 or c4_adhd=1 then do;
c4_adhd=1;
c4oadhd=min(c4oadhdi,c4oadhdhi,c4oadhd);c4dadhd=min(c4dadhdi,c4dadhdhi,c4dadhd);
end;
```

```plaintext
label c4_adhd='any ADHD with onset,no duration criteria';
label c4oadhd='Onset age: any ADHD symptoms';
label c4dadhd='Onset age: any ADHD diagnosis';
```

```plaintext
j4_adhd = c4_adhd;
j4oadhd = c4oadhd;
j4dadhd = c4dadhd;
```

```plaintext
label j4_adhd='any ADHD with onset,no duration criterion';
label j4oadhd='Onset age: any ADHD symptoms';
label j4dadhd='Onset age: any ADHD diagnosis';
```

*** create impairment in two situations criterion ***;

```plaintext
c4ssith=sum(of cra1i02 cra4i02 crb5i02 crc3i04);
```
if c4ssith ge 1 then c4_sith=1;
else if c4ssith ne . then c4_sith=0;
label c4ssith='# ADHD impairments: home (scale 0-8)';
label c4_sith='any ADHD impairment in the home';
c4ssits=sum(of cra1i03 cra4i03 crb5i03 crc3i05);
if c4ssits ge 1 then c4_sits=1;
else if c4ssits ne . then c4_sits=0;
label c4ssits='# ADHD impairments: school/daycare (scale 0-8)';
label c4_sits='any ADHD impairment in school';
c4ssite=sum(of cra1i04 cra4i04 crb5i04 crc3i06);
if c4ssite ge 1 then c4_site=1;
else if c4ssite ne . then c4_site=0;
label c4ssite='impairments: elsewhere (scale 0-8)';
label c4_site='impairment elsewhere';
if sum(c4_sith, c4_sits, c4_site)>= 2 then adhinc=1;
else if c4_sith ne . or c4_sits ne . or c4_site ne . then adhinc=0;
label adhinc='ADH impairment in two or more settings';
if c4l_adhdi=1 or c4l_adhdhi=1 or c4l_adhdc=1 then do;
c4l_adhd=1;
c4loadhd=min(c4loadhdi,c4loadhdhi,c4loadhd);c4ladadhd=min(c4ladadhdi,c4ladadhdhi,c4ladadhd);
end;
else if c4l_adhdi ne . or c4l_adhdhi ne . or c4l_adhdc ne . then c4l_adhd=0;
label c4l_adhd='ADHD with onset';
label c4loadhd='Onset age:ADHD symptoms with onset';
label c4ladadhd='Onset age:ADHD diagnosis with onset';
if c4l_adhd =1 and adhinc=1 then c4li_adhd=1;
else if c4l_adhd ne . or adhinc ne . then c4li_adhd=0;
chypon=int(jage-(max(of crb5o01 cra1o01 crc3o01 cra4o01)/365.25));
label chypon='age at ADHD onset';
if c4li_adhd=1 and . lt chypon lt 7 then c4lio_adhd=1;
else if c4li_adhd ne . or chypon ne . then c4lio_adhd=0;
label c4li_adhd ='overall DSM adhd with impairment criteria';
j4li_adhd = c4li_adhd;
label j4li_adhd = 'overall DSM adhd with impairment criteria';
label c4lio_adhd='overall DSM adhd with impairment criteria and onset';
j4lio_adhd = c4lio_adhd;
label j4lio_adhd='overall DSM adhd with impairment criteria and onset'
end;