

**The following note was provided in an earlier release/update (February 2008) of the EHSRE data collection. In 2011, the collection was updated again to include all 3 phases of the study which included, among other things, additional variables. The note and summary that follows is left intact for informational purposes. More detailed information about the 2011 update can be found in the study description and throughout the documentation.**

This data file has been revised since its initial release to include 155 additional variables, while 24 previously available variables have been removed. A summary of these changes is provided below, as well as a note about the depression variables available for analyses.

## **Variables Summary**

The following variables are now available:

### **BASELINE VARIABLES**

#### **Poverty variables based on family size and income:**

POVLIN     Poverty line in relevant year for family  
POVRATIO   Income as % of Poverty line for family

#### **Baseline "risk" variables were constructed from HSFIS information:**

TEEN\_MOM   birth mother was < 20 when FC was born (replaces TEENMOM)  
BL\_IDLE     at BL: not employed/school/training  
BL\_SNGL     at BL: not married nor cohabiting  
BL\_WELF     at BL: receiving welfare  
BL\_DROP     at BL: Dropout: no HS/GED  
BL\_5CNT     at BL: non-missing # of 5 risk factors  
BL\_5RSK     at BL: sum of 5 risk factors  
BL\_3RSK     at BL: Risk group: 1=0-2, 2=3, 3=4-5 risks (replaces MRISK3)  
BL\_HRSK     at BL: High Risk group: 4-5 risks (of 5)

#### **Depression variables:**

B0P\_CDAT   BL: CESD Date of Interview  
B0P\_CESMS   BL: CESD number of missings  
B0P\_CESD   BL: CES-Depression total scale  
B0P\_DEP     BL: CES-D Possibly Depressed ( $\geq 16$ )  
B0P\_CSFMS   BL: CESD-SF number of missings  
B0P\_CDSF   BL: CES-Depress Short Form scale  
B0P\_DEPS   BL: CESD-SF Possibly Depressed ( $\geq 10$ )

### **FOCUS CHILD INFORMATION VARIABLES**

MAGE\_BIR   Mother's age (years) at birth of FC  
FC\_SRC     Primary source of FC birth info  
FC\_PREN     FC Any Prenatal Care  
FC\_PTRI     FC Trimester Began Prenatal Care (1, 2, 3)  
FC\_KILO     FC's birth weight: kilos+decimal  
FC\_LB     FC's birth weight: pounds  
FC\_OZ     FC's birth weight: ounces  
FC\_L2500   FC Low birthweight < 2500 grams  
FC\_BRN     FC Gestational Length  
FC\_STAY     FC Newborn stay hosp: medical problems

### **RESPONDENT INFORMATION VARIABLES**

P0\_RMOM   PSI 6: Respondent is mother  
P1\_RMOM   PSI 15: Respondent is mother  
P2\_RMOM   PSI 26: Respondent is mother  
B1P\_RMOM   14m Par: Respondent is mother

B2P_RMOM	24m Par: Respondent is mother
B3P_RMOM	36m Par: Respondent is mother
SAME_R	Respondent always same person

## **PSI VARIABLES**

### **"Subsequent" birth after the focus child, all PSI's combined:**

P2V_PREG	By PSI 26: Ever Pregnant
P2V_PNUM	By PSI 26: Number of pregnancies
P2V_BRTH	By PSI 26: Any births
P2V_BNUM	By PSI 26: Number of births
COMBRTH2	By PSI 26: Any Subsequent Births
COMBNUM2	By PSI 26: # Subsequent Births
BIRBY3	By 3 months: Any Subsequent Birth
BIRBY6	By 6 months: Any Subsequent Birth
BIRBY9	By 9 months: Any Subsequent Birth
BIRBY12	By 12 months: Any Subsequent Birth
BIRBY15	By 15 months: Any Subsequent Birth
BIRBY18	By 18 months: Any Subsequent Birth
BIRBY21	By 21 months: Any Subsequent Birth
BIRBY24	By 24 months: Any Subsequent Birth

### **Child care variables from each PSI, all PSI's combined:**

P0F37	SATISFACTION W/ATTN CHILD GOT,PSI6
P0F38	SATISFACTION W/CHILD LEARNING,PSI6
P0F39	SATISFACTION W/SAFETY, PSI6
P0F40	SATISFACTION PROV.GOOD W/KIDS,PSI6
P1F36	SATISFACTION W/PRIMARY ARR, PSI15
P1F37	SATISFACTION W/ATTN CHILD GOT,PSI15
P1F38	SATISFACTION W/CHILD LEARNING,PSI15
P1F39	SATISFACTION W/SAFETY, PSI15
P1F40	SATISFACTION PROV.GOOD W/KIDS,PSI15
P2F36	SATISFACTION W/PRIMARY ARR, PSI26
P2F37	SATISFACTION W/ATTN CHILD GOT,PSI26
P2F38	SATISFACTION W/CHILD LEARNING,PSI26
P2F39	SATISFACTION W/SAFETY, PSI26
P2F40	SATISFACTION PROV.GOOD W/KIDS,PSI26
P2V_CC14	PSIs: IN CHILD CARE AT 14 MONTHS OLD
P2V_CC36	PSIs: IN CHILD CARE AT 36 MONTHS OLD
P2V_CB14	PSIs: IN CENTER CARE AT 14 MONTHS OLD
P2V_CB36	PSIs: IN CENTER CARE AT 36 MONTHS OLD
P2V_EH14	PSIs: IN EHS CARE AT 14 MONTHS OLD
P2V_EH24	PSIs: IN EHS CARE AT 24 MONTHS OLD
P2V_EH36	PSIs: IN EHS CARE AT 36 MONTHS OLD
AGEHRS4	PSIs: HRS/WK IN CHILD CARE AT 14 MO
AGEHRS6	PSIs: HRS/WK IN CHILD CARE AT 24 MO
AGEHRS8	PSIs: HRS/WK IN CHILD CARE AT 36 MO

AGEHRSC4	PSIs: HRS/WK IN CTR CARE AT 14 MO
AGEHRSC6	PSIs: HRS/WK IN CTR CARE AT 24 MO
AGEHRSC8	PSIs: HRS/WK IN CTR CARE AT 36 MO
AGEHRSE4	PSIs: HRS/WK IN EHS CARE AT 14 MO
AGEHRSE6	PSIs: HRS/WK IN EHS CARE AT 24 MO
AGEHRSE8	PSIs: HRS/WK IN EHS CARE AT 36 MO
P2B_CC36	IN CHILD CARE @36MO W/ PI DATA
P2B_CB36	IN CENTER CARE @36MO W/ PI DATA
HRSB8	HRS/WEEK IN CHILD CARE @36MO W/ PI DATA
HRSCB8	HRS/WK IN CENTER CARE @36MO W/ PI DATA
P2B_E36	In EHS care at 36 months

### **BIRTHDAY RELATED VARIABLES**

#### **Depression variables:**

B1PCESMS	14m: CESD NUMBER OF MISSINGS
B1P_DEP	14m: CES-D Possibly Depressed ( $\geq 16$ )
B1PCSFMS	14m: CESD-SF NUMBER OF MISSINGS
B1P_CDSF	14m: CES-Depress short form (SF) scale
B1P_DEPS	14m: CESD-SF Possibly Depressed ( $\geq 10$ )
B3PCSFMS	36m: CESD-SF NUMBER OF MISSINGS
B3P_CDSF	36m: CES-Depress short form (SF) scale
B3P_DEPS	36m: CESD-SF Possibly Depressed ( $\geq 10$ )

#### **Child care variables:**

FDCR_14	OVERALL FDCRS AVERAGE SCORE
FDCR_24	OVERALL FDCRS AVERAGE SCORE
FDCR_36	OVERALL FDCRS AVERAGE SCORE
ARNETT14	14m observ: ARNETT Caregiver Scale
RATAVE14	14m observ: Average Child-Adult Ratio
ARNETT24	24m observ: ARNETT Caregiver Scale
B2KPRSTK	24m CCOS: A1 Caregiver Responds To FC TALK (count)
B2K_NEGT	24m CCOS: C5 D2 D3 D4 Total Neg Behavior (count)
B2KPINTK	24m CCOS: Caregiver Initiated Talk (count)
B2K_NEPT	24m CCOS: A2-A5 Tot Any Provider Talk To FC (count)
RATAVE24	24m observ: Average Child-Adult Ratio
ARNETT36	36m observ: ARNETT Caregiver Scale
B3KPRSTK	36m CCOS: A1 Caregiver Responds To FC TALK (count)
B3K_NEGT	36m CCOS: C5 D2 D3 D4 Total Neg Behavior (count)
B3KPINTK	36m CCOS: Caregiver Initiated Talk (count)
B3K_NEPT	36m CCOS: A2-A5 Tot Any Provider Talk To FC (count)
RATAVE36	36m observ: Average Child-Adult Ratio
B1CT_EHS	Tracking: Care provider is EHS center (binary)
ITER14	Overall ITERS Average Score
ISC1_14	ITERS Furnishings Average Score
ISC2_14	ITERS Personal Care Routines Average Score
ISC3_14	ITERS Listening & Talking Average Score

ISC4_14	ITERS Learning Activities Average Score
ISC5_14	ITERS Interactions Average Score
ISC6_14	ITERS Program Structure Average Score
ISC7_14	ITERS Adult Needs Average Score
B2CT_EHS	Tracking: Care provider is EHS center (binary)
ITER24	Overall ITERS Average Score
ISC1_24	ITERS Furnishings Average Score
ISC2_24	ITERS Personal Care Routines Average Score
ISC3_24	ITERS Listening & Talking Average Score
ISC4_24	ITERS Learning Activities Average Score
ISC5_24	ITERS Interactions Average Score
ISC6_24	ITERS Program Structure Average Score
ISC7_24	ITERS Adult Needs Average Score
B3CT_EHS	Tracking: Care provider is EHS center (binary)
ECER_AVE	Overall ECERS Average Score
ESC1_AVE	ECERS Furnishings Average Score
ESC2_AVE	ECERS Personal Care Routines Average Score
ESC3_AVE	ECERS Language & Reasoning Average Score
ESC4_AVE	ECERS Activities Average Score
ESC5_AVE	ECERS Interaction Average Score
ESC6_AVE	ECERS Program Structure Average Score
ESC7_AVE	ECERS Parents & Staff Average Score

#### **BIRTHDAY RELATED FATHER INTERVIEW VARIABLES**

B2D_TYPE	D24 1=ResBio,2=noR-bio,3=ResOth,4=noR-ot
B3D_TYPE	D36 1=ResBio,2=noR-bio,3=ResOth,4=noR-ot
B3D_SAME	36m Father: Same man did 24-month interv
B2D_DTAC	D24 DISCIPLINE SEVERITY INDEX
B2D_PD	D24 DAD PSI: PARENTAL DISTRESS
B2D_PCDI	D24 Dad PSI: PARENT/CHILD DYSF INTERACT
B2D_CESD	D24 DAD CES-D TOTAL SCORE (long form)
B2D_INV5	D24 5 ITEM PARTICIPATION SUMMARY SCORE
B2D_AGCB	D24 DAD AGE AT TIME OF CHILD BIRTH
B3D_AGCB	D36 DAD AGE AT TIME OF CHILD BIRTH
B2D_RACE	D24 DAD RACE/ ETHNICITY
B3D_RACE	D36 DAD RACE/ ETHNICITY
B3D_CDSF	D36 DAD CES-D TOTAL SCORE (short form)
B3D_DTAC	D36 DISCIPLINE SEVERITY INDEX
B3D_INV5	D36 5 ITEM PARTICIPATION SUMMARY SCORE
B2DMARRY	D24 DAD MARITAL STATUS
B2D_MARC	D24 MARRIED TO CHILD MOM
B3DMARRY	D36 DAD MARITAL STATUS
B3D_MARC	D36 MARRIED TO CHILD MOM

The following variables are no longer available:

- P2V\_CC12
- P2V\_CB12
- B1V3WMS
- B2V3WMS
- B1V3PSTM
- B2V3PSTM
- B3V3PSTM
- B1P\_CNOD (this variable can be re-created from B1P\_CESD)
- B1P\_CPRD (this variable can be re-created from B1P\_CESD)
- B3P\_CD15 (this variable can be re-created from B3P\_CDSF)
- B1P\_CDEP (renamed as B1P\_DEP)
- B3P\_CESD (renamed as B3P\_CDSF)
- B3P\_CD10 (renamed as B3P\_DEPS)

### **Depression Variables Note**

The Long Form (20 items) CES-D was administered at 14 months, and also at baseline in 8 sites; the Short Form (12 items) was administered at 36 months (in all sites). "Long form" scores were computed from all 20 items at baseline and 14 months. For compatibility, "short form" scores were also computed from the 12 "short form" items at these points, and from the 12 items at 36 months. Within each scoring 3 variables are provided: the number of missing items, the total score (pro-rated if 1 - 24% of items were missing), and a binary for "possibly depressed" (based on the appropriate long or short form cutoff value). Researchers may construct any other desired binaries or categorical variables for their analyses from the total score variables, and may use the number of missing items to exclude cases with some pro-rated values. Note that the baseline variables are named as if they are part of the "birth date related" parent interview series, with prefixes of "B0P."

Available variables include: BnPCESMS BL: CESD NUMBER OF MISSINGS (Long form - BL & 14m only, n=0, 1) BnP\_CESD BL: CES-DEPRESSION SCALE-TOTAL SCORE (Long form - BL & 14m only, n=0, 1) BnP\_DEP BL: CES-D Possibly Depressed ( $\geq 16$ ) (Long form - BL & 14m only, n=0, 1) BnPCSFMS BL: CESD-SF NUMBER OF MISSINGS (n=0, 1, 3) BnP\_CDSF BL: CES-Depression short form (SF) scale (n=0, 1, 3) BnP\_DEPS BL: CESD-SF Possibly Depressed ( $\geq 10$ ) (n=0, 1, 3)

This section contains documentation regarding the published measures used in the EHSRE. Prepared by the staff at Mathematica Policy Research, Inc., it provides detail on the original publication and items/subscales from utilized instruments.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 280=PSI - fam needs & support

Scale Name: **Family Resource Scale**

scale acronym: FRS

Developer or Publisher: Dunst, Trivette, and Leet, 1988

Citation: Dunst, Carl J., Carol M. Trivette, and Angela G. Deal. Enabling and Empowering Families: Principles and Guidelines for Practice. Cambridge, MA: Brookline Books, 1988.

items available in  
documentation yes  
restricted files yes

Scale notes:

<b>Subscale Name: Family Resource Scale (39 items)</b>			<b>subscale acronym</b> FRS
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	P0NDINT (6m PSI)	P1NDINT (15m PSI)	P2NDINT (26m PSI)
<b>RelatedVariables:</b>			
<b>SourceVariables:</b>	P0C1 - P0C32, plus we added P0C33-P0C39	P1C1 - P1C32, plus we added P1C33-P1C39	P2C1 - P2C32, plus we added P2C33-P2C39
<b>Subscale Notes:</b>	scale construct: PnNDINT "PSI nn: DUNST-LIKE TOTAL SCALE (39 items)" Count number of missing values in P0C1 through P0C39. If more than 25% of items are missing, set P0NDINDX to missing If 25% or fewer items are missing, set missing items equal to mean of nonmissing items Calculate P0NDINDX as sum of P0C1 through P0C39, with missing values imputed P0NDINT is largest integer lower than P0NDINDX		



# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 621=Par Intv -Parent Wellbeing

Scale Name: **Composite International Diagnostic Inventories - Short Form**

scale acronym: CIDI

Developer or Publisher: Kessler et al.

**Citation:** An updated version of the Composite International Diagnostic Inventories (CIDI) - Short Form and scoring rules can be found at: <http://www3.who.int/cidi/cidisf.htm> EHSRE used Nelson, Christopher B., Ronald C. Kessler, and Daniel Mroczek. "Scoring the World Health Organization's Composite International Diagnostic Interview Short Form (CIDI-SF; v1.0 NOV98)." Walters, Ellen E., Ronald C. Kessler, Christopher B. Nelson, and Daniel Mroczek "Scoring the WHO's Composite International Diagnostic Interview Short Form (CIDI-SF; v1.1 Dec2002) " is now available at <http://www3.who.int/cidi/CIDISFScoringMemo12-03-02.pdf>.

**items available in documentation** yes  
**restricted files** yes

**Scale notes:** we asked questions from Major Depression, Generalized Anxiety Disorder, Alcohol Dependence, and Drug Dependence scales, but only constructed Depression subscale

**Subscale Name:** **Major Depression**

subscale acronym CIDI

14 month

24 month

36 month

**Parent data waves:** ☐

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**Father data waves:**

☐

☐

**Scale Variables:** B2P\_CD2P

**RelatedVariables:** B2P\_CD3P

**SourceVariables:** B2PCO21 B2PCO2A B2PCO2B  
B2PC12 B2PC12A B2PC12B  
B2PC14A B2PC15A  
B2PC13 B2PC16-B2PC18

**Subscale Notes:** A skip logic error in the version of the CIDI that we used prevented us from scoring the CIDI in the usual way. Based on the advice of the CIDI developer, we created 2 versions of the CIDI scores-a lower and upper bound (the true CIDI score is between these two scores). The lower and upper bound scores tend to be 1 to 4 percentage points apart for the full sample and most subgroups. The impact estimates and their significance using both versions are very similar. In the report, we use the lower bound version of the measure (the most conservative estimate of the probability of depression).

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 622=Par Intv -Parent Wellbeing

Scale Name: **Center for Epidemiological Studies - Depression scale**

scale acronym: CES-D

Developer or Publisher: NIMH, U.S. DHHS

**Citation:** Radloff, Lenore S. "The CES-D Scale: A Self-Report Depression Scale for Research in the General Population." Applied Psychological Measurement, vol. 1, 1977, pp. 385-401.  
Ross, Catherine E., John Mirowsky, and Joan Huber. "Dividing Work, Sharing Work, and In-Between: Marriage Patterns and Depression." American Sociological Review, vol. 48, 1983, pp. 809-823.

**items available in**  
**documentation** yes  
**restricted files** yes

**Scale notes:** Center for Epidemiological Studies Depression Scale - Short Form (CESD-SF) - measures symptoms of depression (Ross et al. 1983). It does not indicate a diagnosis of clinical depression, but it does discriminate between depressed patients and others. The short form scale includes 12 items taken from the full, 20-item CESD scale (Radloff 1977). Symptoms include poor appetite, restless sleep, loneliness, sadness, and lack of energy. Respondents were asked the number of days in the past week they had a particular symptom. The long form was administered at 14 months, and at baseline in 8 sites; the short form was administered at 36 months. At baseline and 14 months both long and short form scores were computed.

**Subscale Name:** **Center for Epidemiological Studies - Depression scale**

subscale acronym CES-D

**14 month**

**24 month**

**36 month**

**Parent data waves:** ☒

☐☐

**Father data waves:**

☒☐

**Scale Variables:** B1P\_CESD

Father: B2D\_CESD

**RelatedVariables:** B1P\_DEP, B1PCESMS, BnP\_CDSF

**SourceVariables:** B1PC04A - T

Father: B2D803A - T

**Subscale Notes:** \*recode all input items (B1PC04A-B1PC04T) so that Rarely (01) is 00, Some (02) is 01, Occasionally (03) is 02, and Most (04) is 03.  
\*recode the positive input items (D, H, L, P) so they are reflected so that Most (03) is 00, Occasionally (02) is 01, Some (01) is 02, and Rarely (00) is 03.  
\* B1P\_CESD total score is the sum of all items B1PC04A--B1PC04T (potential range: 0 - 60, actual 0 - 56)  
Alphas by race:  
Race = White (855): .90  
Race = Black (733): .88  
Race = Hispanic (495): .90  
\* B1PCESMS is the count of missing items among B1PC04A--B1PC04T  
\* If 16 = B1P\_CESD ( the total depression score ) then B1P\_DEP= 1= 'Possibly/Probably Depressed'. If the total depression score is not in that range, but is non-missing, then B1P\_DEP is zero.  
also, for 8 sites, at baseline:  
B0P\_CESD CES-Depression total scale  
B0P\_DEP Possibly Depressed (B0P\_CESD = 16)  
B0PCESMS BL: CESD number of missings

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 622=Par Intv -Parent Wellbeing

Scale Name: **Center for Epidemiological Studies - Depression scale**

scale acronym: CES-D

<b>Subscale Name: Center for Epidemiological Studies - Depression scale - Short Form</b>		<b>subscale acronym</b> CES-D-SF
	<b>14 month</b>	<b>24 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>
<b>Scale Variables:</b>	B1P_CDSF	B3P_CDSF
<b>RelatedVariables:</b>	B1P_DEPS, B1PCSFMS, B1P_CESD	B3P_DEPS, B3PCSFMS; Father: B3D_CDSF
<b>SourceVariables:</b>	B1PC04A, B, C, E, F, G, J, K, M, N, R, T	B3PC04A, B, C, E, F, G, J, K, M, N, R, T Father: B3D803A, B, C, E, F, G, J, K, M, N, R, T
<b>Subscale Notes:</b>		
*recode all input items (BnPC04A-BnPC04T) so that Rarely (01) is 00, Some (02) is 01, Occasionally (03) is 02, and Most (04) is 03. * BnP_CDSF total score is the sum of the 12 items (potential range: 0 - 36) * BnPCSFMS is the count of missing items among BnPC04A--BnPC04T * CES-D Possibly Depressed: If short form CES-D score = 10 then BnP_DEPS is set equal to 1. Otherwise, BnP_DEPS is set to 0 if scores are in the range of 0- 10 also, for 8 sites, at baseline: B0P_CDSF CES-Depression short form scale B0P_DEPS CES-SF Possibly Depressed (B0P_CDSF = 10) B0PCSFMS BL: CES-SF number of missings		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 623=Par Intv -Parent Wellbeing

Scale Name: **Family Environment Scale**

scale acronym: FES

Developer or Publisher: Moos and Moos

**Citation:** Reproduced by special permission of the Publisher, Mind Garden, Inc., www.mindgarden.com from the Family Environment Scale by Rudolf H. Moos and Bernice S. Moos. Copyright 1974, 1994, and 2002 by Rudolf Moos. All rights reserved. Further reproduction is prohibited without the Publisher's written consent.

**items available in**  
**documentation** yes  
**restricted files** yes

**Scale notes:** Family Environment Scale-- measures the social environments of families along 10 key dimensions, including family relationships (cohesion, expressiveness, and conflict); emphases within the family on aspects of personal development that can be supported by families (for example, achievement orientation; independence); and maintenance of the family system (organization and control) (Moos and Moos 1976). We measured one dimension.

**Subscale Name:** **FES Conflict subscale**

subscale acronym FES

14 month

24 month

36 month

**Parent data waves:** ☒

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**Father data waves:**

☐

☒

**Scale Variables:** B1P\_CONF

B2P\_CONF

B3P\_CONF

**RelatedVariables:**

**SourceVariables:** B1P69A - E

B2P35A - E

B3P35A - E

**Subscale Notes:** Family Conflict-- measures the extent to which the open expression of anger and aggression and generally conflictual interactions are characteristic of the family.  
Parents respond to 5 items on a 4-point scale, where 4 indicates higher levels of agreement with statements such as, "we fight a lot", and "we hardly ever lose our tempers."  
Codes were reversed on the 2nd item (B1P69B/BnP35B) so that 4 indicates high levels of conflict for all items.  
The scale is the mean of all 5 items.  
Any case with a missing item is set to missing for the scale score.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 624=Par Intv -Parent Wellbeing

Scale Name: **Pearlin Mastery**

scale acronym: Mastery

Developer or Publisher: Pearlin

Citation: Pearlin, L.I. and Schooler, C. "The Structure of Coping." Journal of Health and Social Behavior, vol. 22 (1978), pp. 337-356.

items available in  
documentation yes  
restricted files yes

Scale notes:

<b>Subscale Name: Pearlin Mastery Total Score (5 item sum)</b>		<b>subscale acronym</b> Mastery	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	B1P_MAS5		
<b>RelatedVariables:</b>			
<b>SourceVariables:</b>	B1PC01A B1PC01B B1PC01C B1PC01E B1PC01G		
<b>Subscale Notes:</b>	B1P_MAS5 total score is the sum of B1PC01A, B1PC01B, B1PC01C, B1PC01E, & B1PC01G (negatively worded items not included)		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 625=Par Intv -Parent Wellbeing

Scale Name: **Parenting Stress Index-Short Form**

scale acronym: PSI-SF

Developer or Publisher: Abidin / Psychological Assessment Resources, Inc.

**Citation:** "Adapted and reproduced by special permission of the Publisher, Psychological Assessment Resources, Inc., Odessa, FL 33556, from the Parenting Stress Index by Richard R. Abidin, Ed.D., Copyright 1990 by PAR, Inc. Further reproduction is prohibited without permission from PAR, Inc."

**items available in documentation** no  
**restricted files** yes

**Scale notes:** Parenting Stress Index - Short Form (PSI-SF) - measures the degree of stress in parent-child relationships stemming from three possible sources: the child's challenging temperament, parental depression, and negatively reinforcing parent-child interactions (Abidin 1995).  
The 24 item PSI-SF is in the EHS data files as variables BnP103a - BnP103w plus BnP104. For the first 23 items, the interviewer said: "For each statement, please tell me if you strongly agree with it, mildly agree, mildly disagree, or strongly disagree." ("Not sure" was not offered as a choice.) Responses were coded on a 5-point scale (initially, 1 = SA, 2 = A, 3= DK, 4 =D, 5 = SD, recoded to 5 = SA, 4 = A, 3= DK, 2 =D, 1 = SD). Item 24 was coded on a scale from 1 to 5, with 1 as the most negative response and 5 as the most positive response. The wording of items 7, 10, 11, 14, 17, 18, 19, 20, and 24 was modified for the EHS version of the PSI. The recoded (except #24) items were then summed into scales.

**Subscale Name: PSI-SF Parent-Child Dysfunctional Interaction**

subscale acronym PCDI

14 month

24 month

36 month

**Parent data waves:** ☒

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**Father data waves:**

☒

☒

**Scale Variables:** B1P\_PCDI

B2P\_PCDI

B3P\_PCDI

**RelatedVariables:** B1P\_PC90

B2P\_PC90; Father: B2D\_PCDI

**SourceVariables:** B1P103M - W, B1P104

B2P103M - W, B2P104  
Father: B2D304M - W, B2D305

B3P103M - W, B3P104

**Subscale Notes:** Parent-Child Dysfunctional Interaction - measures the parent's perception that the child does not meet the parent's expectations and interactions with the child are not reinforcing the parent. The parent may perceive that the child is abusing or rejecting the parent or that the parent feels disappointed in or alienated from the child. The parent answered whether he or she agreed or disagreed with statements such as, "Your child rarely does things for you that make you feel good," and "Most times you feel that your child does not like you and does not want to be close to you," and "Your child seems to smile less than most children."  
Item responses are coded on a 5-point scale, with 5 indicating high levels of parent-child dysfunctional interaction. Scores on the 12-item subscale can range from 12 to 60.  
Define BnP\_PCDI as the sum of the 12 items, BnP103M-- BnP103W, BnP104, using imputed values for missing items.  
If BnP\_PCDI is nonmissing and is 27 then BnP\_PC90 is set equal to 1. Else if BnP\_PCDI is nonmissing and less than or equal to 27 then BnP\_PC90 is set equal to 0. Otherwise, BnP\_PC90 is set to missing.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 625=Par Intv -Parent Wellbeing

Scale Name: **Parenting Stress Index-Short Form**

scale acronym: PSI-SF

Subscale Name: **PSI-SF Parental Distress**

subscale acronym PD

14 month

24 month

36 month

Parent data waves: ☒

☒

☒

Father data waves:

☒

☒

Scale Variables: B1P\_PD

B2P\_PD

B3P\_PD

RelatedVariables: B1P\_PD90

B2P\_PD90; Father: B2D\_PD

SourceVariables: B1P103A - L

B2P103A - L  
Father: B2D304A - L

B3P103A - L

**Subscale Notes:** Parental Distress measures the level of distress the parent is feeling in his or her role as a parent stemming from personal factors, including a low sense of competence as a parent, stress because of perceived restrictions stemming from parenting, depression, and lack of social support.  
The parent answered whether he or she agreed or disagreed with statements such as, "You often have the feeling that you cannot handle things very well," and "You feel trapped by your responsibilities as a parent," and "You feel alone and without friends."  
Item responses are coded on a 5-point scale, with 5 indicating high levels of parental distress. Scores on the 12-item subscale can range from 12 to 60.  
Define BnP\_PD as the sum of the 12 items, BnP103A--BnP103L, using imputed values for missings.  
If BnP\_PD is nonmissing and is 36 then BnP\_PD90 is set equal to 1. Else if BnP\_PD is nonmissing and less than or equal to 36 then BnP\_PD90 is set equal to 0. Otherwise, BnP\_PD90 is set to missing.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 628=Par Intv -Parent Wellbeing

Scale Name: **Woodcock-Johnson Psycho-Educational Battery - Revised**

scale acronym: WJ-R

Developer or Publisher: Woodcock and Johnson 1990

Citation: Woodcock, R.W. & A.F. Munoz-Sandoval. Woodcock-Munoz Language Survey Normative Update. Picture Vocabulary Test English and Spanish Forms. Itasca, IL: Riverside Publishing, 2001.  
Woodcock, R.W. & A.F. Munoz-Sandoval. Comprehensive Manual. Woodcock-Munoz Language Survey Normative Update. Itasca, IL: Riverside Publishing, 2001.  
Woodcock, R.W. & A.F. Munoz-Sandoval. WMLS Normative Update Scoring and Reporting Program [Computer software]. Woodcock-Munoz Language Survey Normative Update. Itasca, IL: Riverside Publishing, 2001.

items available in documentation no  
restricted files yes

Scale notes: The tests were scored using the 2001 Woodcock-Munoz Normative Update Scoring Program (with adaptations). We showed descriptive statistics separately for whether the test was done in English or Spanish. There were two separate versions of the test and separate norms, but they are equated and can be analyzed together.

Subscale Name:	<b>Woodcock-Johnson Picture Vocabulary Standard Score</b>			subscale acronym	WJSS
	14 month	24 month	36 month		
Parent data waves:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>		
Scale Variables:	B2PWJSS				
RelatedVariables:	B2PWJRFW				
SourceVariables:	B2P7B01 - B58				
Subscale Notes:	Woodcock-Johnson Picture Vocabulary Standard Score for parent. Raw scores of Woodcock Johnson vocabulary test standardized to a normal distribution with mean = 100. B2PWJRFW=Woodcock-Johnson Picture Vocabulary Reference "W" Score for parent. Transformation of raw Woodcock-Johnson vocabulary score into a Rasch scale with equal-interval units.				



# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 630=Par Intv - parenting

Scale Name: **Knowledge of Infant Development Inventory**

scale acronym: KIDI

Developer or Publisher: MacPhee 1981

**Citation:** MacPhee, D. Manual: Knowledge of Infant Development. Unpublished manuscript. University of North Carolina, 1983.  
The author of the KIDI requests that you contact him if you plan to use this measure in your own research or evaluation. (David MacPhee, Colorado State University, The Department of Human Development and Family Studies. )

**items available in documentation** yes  
**restricted files** yes

**Scale notes:** The KIDI items we used were a subset of those used by the IHDP study at each age point.  
At 14-months, EHS used 14 KIDI items: 18, 20, 23, 56, 42, 44, 45, 47, 50, 58, 61, 64, 54, and 66. (At 12-months, IHDP had included 6 additional KIDI items 31, 41, 52, 59, 69, and 70.)  
At 24-months, EHS used 8 KIDI items 26, 28, 35, 45, 47, 51, 55, and 56. (At 24-months, IHDP had included 10 additional KIDI items 17, 23, 33, 39, 52, 58, 64, 65, 66, and 72.)

KIDI items 1-48 had response categories of Agree/Disagree/Not Sure, and for credit the respondent had to agree with the correct items and disagree with the incorrect items. IHDP coding was similar. In EHS, respondents were instead asked for their level of agreement or disagreement with each statement (1=strongly agree, 2=mildly agree, [3=not sure], 4=mildly disagree, 5=strongly disagree).

KIDI items 49-68 (on milestones) had response categories of Agree/Younger/Older/Not Sure, and for credit on incorrect items the respondent had to accurately say whether the milestone occurs at a younger or older age than in the statement. These items were scored similarly in the 24-month IHDP, but when administered in the 14-month IHDP and both ages of EHS, respondents were simply asked whether they agreed or disagreed with the statements, with response categories as for the earlier items (based simply on whether the statement is correct or incorrect, including level of disagreement for EHS).

For computing aggregate scores, EHS responses were recoded to a 4-point scale, so that stronger agreement with "the truth" was scored higher, values of 1 or 2 actually represent incorrect responses, and "not sure" ("3") responses were excluded from the recoding. EHS aggregate scores, BnP\_KDC2, are the mean of the available (excluding "not sure") items based on the 4-point scale, with a possible range from 1 to 4. Although the resulting summary score did not meet our .65 internal consistency reliability criterion, we included the score in the impact analysis because parent knowledge was a key outcome for many of the programs and these items have been used successfully in other studies with other samples. It is likely that our reduction of the number of items resulted in the reduced reliability.

IHDP calculated 3 separate scores: Total, Accuracy, and Attempted.

KIDI scoring involved recoding responses to: -1 if wrong, 0 if not sure, or +1 if correct, then summing the items and dividing by the number of items.

Subscale Name: Knowledge of Infant Development Inventory		subscale acronym	KIDI
(4 point scale)			
	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Father data waves:		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scale Variables:	B1P_KDC2	B2P_KDC2	
RelatedVariables:			
SourceVariables:	B1P101A - N (14 items)	B2P101A - H (8 items)	
	(ARRAY CORRECT (14) C1-C14 (1 5 1 5 1 5 1 5 5 5 5 5);)	(ARRAY CORRECT (8) C1-C8 (1 1 1 5 5 5 5);)	
Subscale Notes:	Define each score as mean of recoded, available (not missing; not 3) items in the set 14-month: if 4 or more missing items (NOT including 3=not sure), then score is missing 14-month Alphas by Race Race=white, alpha=0.62 Race=black, alpha=0.44 Race=hispanic, alpha=0.56		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 630=Par Intv - parenting

Scale Name: **Parental Modernity Scale**

scale acronym: PMS

Developer or Publisher: Schaefer and Edgerton

Citation: Schaefer, Earl and Marianna Edgerton. "Parental and Child Correlates of Parental Modernity." In I. E. Sigel, Ed., Parental Belief Systems: The Psychological Consequences for Children. Hillsdale, NJ: Lawrence Erlbaum Associates, Inc., 1985.

items available in  
documentation no  
restricted files no

Scale notes:

<b>Subscale Name: PMS Traditional scale</b>		<b>subscale acronym</b> TRAD	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B2P_TRAD		
<b>RelatedVariables:</b>	(B2P_PRO)		
<b>SourceVariables:</b>	B2P1_2B-B2P1_2F		
<b>Subscale Notes:</b>	Reverse code all items B2P1_2B-- B2P1_2F. If one item is missing then impute mean of other scores for that score. For all cases with less than 1 item missing, B2P_TRAD is the sum of the 5 traditional items. B2P_TRAD is set equal to missing if more than 1 item is missing. In the mother survey, the input variables (B2P1_2*) are on a 5-point scale, while the father variables (B3D302*) are on a 4-point scale (so mother scale has a max of 25, father max of 20)		

<b>Subscale Name: PMS Progressive Scale</b>		<b>subscale acronym</b> PRO	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	B2P_PRO		
<b>RelatedVariables:</b>	(B2P_TRAD)		
<b>SourceVariables:</b>	B2P1_2A B2P1_2G-B2P1_2J		
<b>Subscale Notes:</b>	Reverse code all items B2P1_2A B2P1_2G-B2P1_2J (5 point scale). If one item is missing then impute mean of other scores for that score. For all cases with less than 1 item missing, B2P_PRO is the sum of the 5 progressive items. B2P_PRO is set equal to missing if more than 1 item is missing.		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 650=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Infant/Toddler** scale acronym: IT HOME

Developer or Publisher: Caldwell and Bradley

Citation: Caldwell, Bettye M., and Robert H. Bradley. Administration Manual: Home Observation for Measurement of the Environment. Little Rock, AR: University of Arkansas at Little Rock, 2003.

items available in documentation yes  
restricted files yes

Scale notes: Home Observation for Measurement of the Environment (HOME) measures the quality of stimulation and support available to a child in the home environment (Bradley and Caldwell 1984). Information needed to score the inventory is obtained through a combination of interview and observation conducted in the home with the child's parent while the child is present.

Subscale Name: <b>HOME: Emotional Responsivity (Parental Warmth)</b>		subscale acronym BnP_EMO	
	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>
Scale Variables:	B1P_EMO	B2P_EMO	
RelatedVariables:			
SourceVariables:	B1PF01-B1PF03, B1PF07-B1PF09, B2PF01-B2PF03, B2PF07-B2PF09, B1PA12 B2PA12		
Subscale Notes: HOME Emotional Response Summary Score is available at the 14 and 24 month time periods. BnP_EMO is the sum of items BnPF01-BnPF03, BnPF07-BnPF09, BnPA12 14-, 24-month HOME Emotional Response Subscale (7 items- Observation only): (All Items coded as Yes=1 No=0) 1. Parent spontaneously vocalized to child twice 2. Parent responds verbally to child's verbalizations 3. Parent tells child name of object or person during visit 8. Parent spontaneously praises child at least twice 9. Paren'ts voice conveys positive feelings toward child 10. Parent caresses or kisses child at least once 11. Parent responds positively to praise of child offered by visitor If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.			

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 650=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Infant/Toddler** scale acronym: IT HOME

Subscale Name: **HOME:Lang Cog Stim ([Support of] Learning and Literacy [Stimulation])** subscale acronym BnP\_Hlan

Parent data waves: 14 month ☒ 24 month ☒ 36 month ☐

Father data waves: ☐ ☐

Scale Variables: B1P\_Hlan B2P\_Hlan

## RelatedVariables:

SourceVariables: BnP803R, BnPA01BR, BnPA01AR, B2P803R, B2PA01BR, B2PA01AR  
BnPA01HR, BnPF16, BnPA01ER, B2PA01HR, B2PF16, B2PA01ER,  
BnPA02R, BnPA01DR, B2PA02R, B2PA01DR,  
BnPA01GR, BnPA11R, BnP707FR, B2PA01GR, B2PA11R, B2P707FR,  
and BnPA01FR and B2PA01FR

**Subscale Notes:** HOME: Support of Cognitive, Language, and Literacy Environment ([Support of] Learning and Literacy [Stimulation])  
BnP\_Hlan = sum of items BnP803R, BnPA01BR, BnPA01AR, BnPA01HR, BnPF16, BnPA01ER, BnPA02R, BnPA01DR, BnPA01GR, BnPA11R, BnP707FR, and BnPA01FR.  
HOME Language Stimulation/Support of Literacy Combination Subscale (12 items)  
(All Items coded as Yes=1 No=0)  
18. At least ten books are present and visible  
26. Muscle activity toys or equipment available  
27. Push or pull toy available  
28. Stroller or walker, kiddie car, scooter, or tricycle available  
29. Parent provides toys for child during visit (interviewer observation)  
30. Learning equipment appropriate to age-- cuddly toys or role-playing toys  
31. Learning facilitators-- child-sized table, chair, or booster chair  
33. Complex eye-hand coordination toys (permitting combination) (such as stacking or nesting toys, Legos, blocks)  
34. Toys for literature and music (such as rattles, musical toys)  
36. Parent talks to child while doing household work  
42. Parent reads stories to child at least 2 times weekly  
45. Child has 3 or more books of his/ her own  
If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 650=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Infant/Toddler** scale acronym: IT HOME

Subscale Name: **HOME: Total Score (with additional NLSY items)** subscale acronym BnP\_HOME

	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>
Scale Variables:	B1P_HOME	B2P_HOME	

RelatedVariables:

SourceVariables: B1PF01-B1PF14, B1PA12, B1P803R, B1PA01BR, B1PA01AR, B1PA01HR, B1PF16, B1PA01ER, B1PA02R, B1PA01DR, B1PA01GR, B1PA11R, B1PA07R, B1PA06R, B1PA04R, B1PA05R, B1P707FR, B1PA01FR

B2PF01-B2PF14, B2PA12, B2P803R, B2PA01BR, B2PA01AR, B2PA01HR, B2PF16, B2PA01ER, B2PA02R, B2PA01DR, B2PA01GR, B2PA11R, B2PA07R, B2PA06R, B2PA04R, B2PA05R, B2P707FR, B2PA01FR.

**Subscale Notes:** HOME Total Score -- measures the cognitive stimulation and emotional support provided by the parent in the home environment. The total includes all of the 31 items included in the 5 subscales (including one that was dropped) out of the original 45 items. The maximum potential score is 31. Total Home is the sum of items BnPF01-BnPF14, BnPA12, BnP803R, BnPA01BR, BnPA01AR, BnPA01HR, BnPF16, BnPA01ER, BnPA02R, BnPA01DR, BnPA01GR, BnPA11R, BnPA07R, BnPA06R, BnPA04R, BnPA05R, BnP707FR, BnPA01FR. If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.

Subscale Name: **HOME: Nonpunitive (Parental Lack of Hostility) Scale** subscale acronym BnP\_NPUN

	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>
Scale Variables:	B1P_NPUN	B2P_NPUN	

RelatedVariables:

SourceVariables: B1PF10, B1PF11, B1PF12, B1PF13, B1PF14

B2PF10, B2PF11, B2PF12, B2PF13, B2PF14

**Subscale Notes:** HOME Non Punitiveness/ Hostility (Parental Lack of Hostility) Subscale (5 items-- observation only) BnP\_NPUN is the sum of items BnPF10, BnPF11, BnPF12, BnPF13, BnPF14 (All items coded as Yes=1 No=0)

12. Parent does not shout at child

13. Parent does not express annoyance with or hostility to child

14. Parent neither slaps nor spansks child during visit

16. Parent does not scold or criticize child during visit

17. Parent does not interfere or restrict child more than 3 times

If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 650=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Infant/Toddler** scale acronym: IT HOME

Subscale Name: **HOME: Verbal/ Social [Skills] Scale (Parental Verbal Skills)** subscale acronym BnP\_VSOC

	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>
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Scale Variables: B1P\_VSOC B2P\_VSOC

RelatedVariables:

SourceVariables: B1PF04, B1PF05, and B1PF06 B2PF04, B2PF05, and B2PF06

**Subscale Notes:** HOME Verbal/Social (Parental Verbal Skills) Subscale (3 items - observation only)  
BnP\_VSOC is the sum of items BnPF04, BnPF05, and BnPF06  
( All items coded as Yes=1 No=0)  
4. Parent's speech is distinct and audible  
5. Parent initiates verbal exchange with visitor  
6. Parent converses freely and easily  
If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 651=Par Intv - HOME scale

**Scale Name:** Home Observation for Measurement of the Environment (HOME) - Early Childhood (Preschool) **scale acronym:** EC HOME

**Developer or Publisher:** Caldwell and Bradley; NLSY items

**Citation:** Caldwell, Bettye M., and Robert H. Bradley. Administration Manual: Home Observation for Measurement of the Environment. Little Rock, AR: University of Arkansas at Little Rock, 2003.

**items available in documentation** yes  
**restricted files** yes

**Scale notes:** Home Observation for Measurement of the Environment (HOME) measures the quality of stimulation and support available to a child in the home environment (Bradley and Caldwell 1984). At the 36-month assessment, we based our measurement on the HOME-Short Form Inventory, Preschool version, used in the National Longitudinal Survey of Youth (NLSY). Information needed to score the inventory is obtained through a combination of interview and observation conducted in the home with the child's parent while the child is present. A total of 37 items were used for the 36-month HOME scale in this study.  
In addition to a HOME total score, we derived five subscales from this assessment

<b>Subscale Name:</b>	<b>HOME: "External" Physical Environment Scale</b>		<b>subscale acronym</b>	B3P_EXPH
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>	
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>	
<b>Scale Variables:</b>	B3P_EXPH			
<b>RelatedVariables:</b>				
<b>SourceVariables:</b>	B3PFB01 B3PFB09 B3PFB08 B3PFB04 B3PFB05			
<b>Subscale Notes:</b>	<p>"External" Physical Environment is a 5-item scale of observed safety and adequacy of the interior and exterior home environment. This subscale was created for use as a descriptive variable about the context in which the child lived, but not used as an outcome measure in the EHS impact study</p> <p>If less than 25% of the survey items are missing then B3P_EXPH is set equal to the sum of items: B3Pfb01 B3Pfb09 B3Pfb08 B3Pfb04 B3Pfb05</p> <p>Items in this subscale are based entirely on interviewer observations during the interview and were each coded on a 3-point scale for this subscale (but on a binary scale for the total HOME). Scores can range from 5 to 15.</p> <p>19. Building appears safe</p> <p>20. Outside play environment appears safe</p> <p>23. House has 100 sq ft of living space per person (converted into 2 separate items)</p> <p>(added) Street in face block in good condition</p>			

<b>Subscale Name:</b>	<b>HOME: Harsh Scale</b>		<b>subscale acronym</b>	B3P_HRSH
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>	
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>	
<b>Scale Variables:</b>	B3P_HRSH			
<b>RelatedVariables:</b>				
<b>SourceVariables:</b>	B3PFA11 B3PFA12 B3PFA13			
<b>Subscale Notes:</b>	<p>Harshness : measures harsh or punitive parenting behavior observed during the home interview. Items in this subscale are based entirely on interviewer observations of the parent and child during the interview, and include whether the parent scolded the child, physically restrained the child, or slapped or spanked the child.</p> <p>The 36-month Harsh subscale was created, despite having low alphas, because there was strong interest in this variable and because it was present in the 14 and 24 month interviews.</p> <p>For this subscale (but not for the total HOME score), items were reverse-coded so that higher scores indicate more observed harsh behavior. Scores can range from 0, if no harsh behavior was observed, to 3, if the three types of harsh behavior were observed.</p>			

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 651=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Early Childhood (Preschool)** scale acronym: EC HOME

Subscale Name:	<b>HOME: "Internal" Physical Environment Scale</b>			subscale acronym	B3P_INPH
	14 month	24 month	36 month		
Parent data waves:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>		
Scale Variables:	B3P_INPH				
RelatedVariables:					
SourceVariables:	B3PFB02 B3PFB06 B3PFB07				
Subscale Notes:	Internal Physical Environment : measures the cleanliness, organization, and warmth of the home environment. Items in this subscale are based entirely on interviewer observations during the interview and were each coded on a 3-point scale for this subscale (but on a binary scale for the total HOME). Scores can range from 3 to 9. 21. Interior of apartment is not dark or perceptually monotonous (item assesses existence of some attempt at home "décor") 25. House is reasonably clean and minimally cluttered (converted into 2 separate items.)				

Subscale Name:	<b>HOME: Warmth Scale</b>			subscale acronym	B3P_WARM
	14 month	24 month	36 month		
Parent data waves:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>		
Scale Variables:	B3P_WARM				
RelatedVariables:					
SourceVariables:	B3PFA07 B3PFA02 B3PFA06				
Subscale Notes:	Warmth measures responsive and supportive parenting behavior observed by the interviewer during the home visit. Items in the warmth subscale are based entirely on interviewer observations of the parent and child during the interview, and include whether the mother kissed or caressed the child during the visit; whether her voice conveyed positive feeling, and whether she praised the child. Scores can range from 0, if none of the positive behaviors were observed, to 3, if all of the behaviors were observed. 17. Parent's voice conveys positive feeling to child 30. Parent spontaneously praises child's qualities twice during visit 31. Parent caresses, kisses, or cuddles child during visit				



# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 651=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Early Childhood (Preschool)** scale acronym: EC HOME

Subscale Name: **HOME: Lang Cog Stim ("Learning and Literacy Stimulation")** subscale acronym BnP\_Hlan

Parent data waves: 14 month ☐ 24 month ☐ 36 month ☒

Father data waves: ☐ ☐ ☐

Scale Variables: B3P\_Hlan

RelatedVariables:

SourceVariables: B3Pfa03 B3Pfa04 B3Pfa05  
B3Pfa10  
B3P714d B3P714b B3P714c  
B3P714a B3P713 B3P712r  
B3P803r chfrndly B3P707fr

**Subscale Notes:** HOME Support of Language and Learning /Learning and Literacy Stimulation is a 13-item scale including both observed and self-report items about the availability of toys and reading materials, parent-child verbal and literacy interaction, and parental encouragement of learning in several domains. It measures the breadth and quality of the mother's speech and verbal responses to the child during the home visit, as rated by the interviewer; whether the parent encourages the child to learn shapes, colors, numbers, and the alphabet; the presence of books, toys, and games accessible to the child; and whether the parent reads to the child several times per week. Items are obtained by a combination of parent report and interviewer observation. The maximum potential score is 13.  
B3P\_LANG = sum of: B3Pfa03 B3Pfa04 B3Pfa05 B3Pfa10 B3P714d B3P714b B3P714c B3P714a B3P713 B3P712r B3P803r chfrndly B3P707fr  
(All Items coded as Yes=1 No=0)  
3. Child has record player and at least five children's records  
7. Child has access to at least 10 children's books  
8. At least 10 books are visible in the apartment  
11. Child is encouraged to learn shapes  
13. Child is encouraged to learn the alphabet  
27. Parent converses with child at least twice during visit  
28. Parent answers child's questions or requests verbally  
29. Parent usually responds verbally to child's speech  
33. Child is encouraged to learn colors  
36. Child is encouraged to learn numbers  
48. Parent uses complex sentence structure and vocabulary  
(added) Parent reads to child at least 3 times per week.  
(added) Many materials (books, toys, games) suitable for a preschool-aged child accessible  
If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 651=Par Intv - HOME scale

Scale Name: **Home Observation for Measurement of the Environment (HOME) - Early Childhood (Preschool)** scale acronym: EC HOME

Subscale Name: **HOME: Total Score (with additional NLSY items)**

subscale acronym BnP\_HOME

Parent data waves: 14 month ☐

24 month ☐

36 month ☒

Father data waves:

☐

☐

Scale Variables:

B3P\_HOME

RelatedVariables:

SourceVariables:

B3Pfa01 - B3Pfa13 B3P714a  
B3P714b B3P714c B3P714d  
B3P713 B3P712r B3P803r  
B3P707fr chfrndly B3Pfb02r  
B3Pfb07r B3Pfb06r B3Pfb05r  
B3Pfb01r B3Pfb09r B3Pfb08r  
B3Pfb04r spank B3P905r B3P802r  
B3P69r B3P61ar outings museum

**Subscale Notes:** Total Score -- measures the cognitive stimulation and emotional support provided by the parent in the home environment. The total includes all 37 items. The maximum potential score is 37.  
Total Home is the sum of items B3Pfa01 - B3Pfa13 B3P714a B3P714b B3P714c B3P714d B3P713 B3P712r B3P803r B3P707fr chfrndly B3Pfb02r B3Pfb07r B3Pfb06r B3Pfb05r B3Pfb01r B3Pfb09r B3Pfb08r B3Pfb04r spank B3P905r B3P802r B3P69r B3P61ar outings museum.  
If 25 percent or more of the items are missing within the subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. The subscale score is the sum of the items in the subscale.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 685=Par Intv - child char/outc

**Scale Name:** Achenbach System of Empirically-Based Assessment (ASEBA), Child Behavior Checklist

**scale acronym:** CBC

**Developer or Publisher:** Achenbach and Rescorla 2000, etc.

**Citation:** Achenbach, Thomas M. and Leslie A. Rescorla. Manual for the ASEBA Preschool Forms and Profiles. Burlington, VT: University of Vermont Department of Psychiatry, 2000.  
Achenbach, T. M. Manual for Child Behavior Checklist/ 2-3 and 1992 Profile. Burlington, VT: University of Vermont, Dept. of Psychiatry, 1992.  
Achenbach, T.M. Child Behavior Checklist for ages 2-3. Burlington: University of Vermont, 1988.  
Achenbach, T. M., Edelbrock, C., & Howell, C. Empirically-based assessment of the behavioral/ emotional problems of 2-3 year old children. Journal of Abnormal Child Psychology, 15, 629-650, 1987

**items available in documentation** no  
**restricted files** no

**Scale notes:** Parents completed items from the Child Behavior Checklist for Ages 1 ½ to 5 Years (Achenbach and Rescorla 2000), including the 19 items in the Aggressive subscale. Some behaviors asked about include, "Child has temper tantrums," "Child hits others," and "Child is easily frustrated." For each of the behaviors, the parent was asked how true they are for their child. Responses were coded 1=not true, 2=sometimes or somewhat true, 3=very or often true. Before scales were constructed, all items were recoded to 0=not true, 1=sometimes/somewhat true, 2=very or often true.  
A sample 99 item Child Behavior Checklist form can be viewed at:  
<http://www.aseba.org/support/SAMPLES/PreschoolCBCLSample.pdf>

**Subscale Name:** CBC - Aggressive Behavior ("Achenbach Aseba Scale Score"), 19 items, 2000

**subscale acronym** CBCA

14 month

24 month

36 month

**Parent data waves:** ☐

☒

☒

**Father data waves:** ☐

☐

☒

**Scale Variables:** B2P\_CBCA

B3P\_CBCA

**RelatedVariables:**

**SourceVariables:**

B2PB01C B2PB01F B2PB01G

B3PB01C B3PB01F B3PB01G

B2PB01I B2PB01J B2PB01N

B3PB01I B3PB01J B3PB01N

B2PB01O B2PB01R B2PB01U

B3PB01O B3PB01R B3PB01U

B2PB01Q B2PB01V B2PB01X

B3PB01Q B3PB01V B3PB01X

B2PB01Y B2PB01AA B2PB01BB

B3PB01Y B3PB01AA B3PB01BB

B2PB01CC B2PB01GG B2PB01HH

B3PB01CC B3PB01GG

B2PB01KK

B3PB01HH B3PB01KK

**Subscale Notes:** The ASEBA Child Behavior Checklist Aggressive Behavior subscale (2000) measures the incidence of 19 child behavior problems that tend to occur together and constitute aggressive behavior problems. Scores can range from 0, if all of the behavior problems are "never" observed by the parent, to 38, if all of the behavior problems are "often" observed.

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 685=Par Intv - child char/outc

Scale Name: **EAS (Emotionality, Adaptability, Sociability)  
Temperament Survey for Children**

scale acronym: EAS

Developer or Publisher: Buss and Plomin 1984

Citation: Buss, Arnold H. and Robert Plomin. Temperament: Early Developing Personality Traits. Hillsdale, NJ: Lawrence Erlbaum Associates, 1984.

items available in  
documentation no  
restricted files no

Scale notes: EASI = (?) Emotionality, Activity, Sociability, and Impulsivity (or I=Inventory?)  
have constructs for Emotionality (B1P\_EEMO), Sociability (B1P\_ESOC), not Adaptability

<b>Subscale Name: Emotionality</b>		<b>subscale acronym</b> EEMO	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	B1P_EEMO		
<b>RelatedVariables:</b>	(B1P_ESOC)		
<b>SourceVariables:</b>	B1P102B, E, H, K, and L		
<b>Subscale Notes:</b>	B1P_EEMO is a mean score of 5 emotional subscale items. B1P_EEMO is an emotionality subscale derived from factor analyses of EHS data based on Buss and Plomin's scale Temperament: Early Developing Personality Traits. Scales on each item range from 1 (not very typical of your child) to 5 (very typical of your child). B1P_EEMO is an average of the 5 items from the 14-Month Parent Interview: B1P102B, E, H, K, and L.		

<b>Subscale Name: Sociability</b>		<b>subscale acronym</b> ESOC	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	B1P_ESOC		
<b>RelatedVariables:</b>	(B1P_EEMO)		
<b>SourceVariables:</b>	B1P102C, D, F, G, and I.		
<b>Subscale Notes:</b>	B1P_ESOC is a mean score of 5 emotional subscale items. B1P_ESOC is a sociability subscale derived from factor analyses of EHS data based on Buss and Plomin's scale Temperament: Early Developing Personality Traits. Scales on each item range from 1 (not very typical of your child) to 5 (very typical of your child). B1P_ESOC is an average of the 5 items from the 14-Month Parent Interview: B1P102C, D, F, G, and I.		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 685=Par Intv - child char/outc

Scale Name: **MacArthur Communicative Development Inventories**

scale acronym: MacArthur  
CDI

Developer or Publisher: MacArthur CDI Advisory Board

Citation: "MacArthur Communicative Development Inventories (CDI) Instruments are copyrighted by the MacArthur CDI Advisory Board."  
MacArthur CDI Advisory Board. MacArthur Communicative Development Inventories. San Diego: Department of Psychology, San Diego State University, 1997

items available in  
documentation yes  
restricted files yes

Scale notes: 14m: MacArthur Communicative Development Inventories, Vocabulary Short Form, Level I; Part II, Section A, First Communicative Gestures; Part II, Section B, Games and Routines  
24m: MacArthur Communicative Development Inventories Vocabulary Short Form, Level II; Part II, Question on Combining Words; and Section E, Complexity

Fenson, Larry, Elizabeth Bates, Philip Dale, Judith Goodman, J. Steven Reznick, and Donna Thal. "Measuring Variability in Early Child Language: Don't Shoot the Messenger." Child Development, vol. 71, 2000a, pp. 323-328.  
Fenson, Larry, Steve Pethick, Connie Renda, Jeffrey L. Cox, Philip S. Dale, and J. Steven Reznick. "Short-Form Versions of the MacArthur Communicative Development Inventories." Applied Psycholinguistics, vol. 21, 2000b, pp. 95-115.

<b>Subscale Name: MacArthur CDI - Vocabulary Production</b>		<b>subscale acronym</b> VPRD
<b>Score</b>		
	<b>14 month</b>	<b>24 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>
<b>Scale Variables:</b>	B1P_VPRD	B2P_VPRD
<b>RelatedVariables:</b>	(B1P_VCOM, B1P_VCO1)	B2P_VPR1 (and B2P_COMB, B2P_SEN2)
<b>SourceVariables:</b>	B1PA13, B1PA_A01 - A89, B1PA_B01 - B89, B1P_choo - B1P_some	B2PA13, B2PA_001 - 100
<b>Subscale Notes:</b> For 14-Months: For parents who answered "02" to question B1PA13 and completed the MacArthur with the interviewer, recode the item-level variables: if the response to the A question = 0, then responses to the B question should also = 0 (that is, for every 0 (does not understand) answer in part A, part B should also be coded 0). B1P_VPRD = the sum of the 02 responses to B1PA_B01 through B89. For parents who answered "01" to question B1PA13 and completed the MacArthur on their own, B1P_VPRD = the sum of the 02 responses from B1P_CHOO to B1P_SOME. For 24-Months: B2P_VPRD = sum of the 01 responses to B2PA_001 through B2PA_100. For each subject, determine whether 25% ) or more of the items are missing. If 25% or more of responses are missing, then set BnP_VPRD and BnP_VCOM to missing for this section. The 25% rule is applied to each variable individually. We did NOT impute missing values for the CDI scales. For the self-administered version, If 25 percent or more of the 89 (in the 14-month survey) items are missing from B1P_CHOO to B1P_SOME, set BOTH BnP_VPRD and BnP_VCOM to missing If 0 = B2P_VPRD 25 then B2P_VPR1 is set equal to 1. Otherwise if B2P_VPRD = 25 then B2P_VPR1 is set equal to 0.		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 685=Par Intv - child char/outc

Scale Name: **MacArthur Communicative Development Inventories**

scale acronym: MacArthur  
CDI

<b>Subscale Name: MacArthur CDI -Sentence Complexity Score</b>			<b>subscale acronym</b> SEN2
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	B2P_SEN2		
<b>RelatedVariables:</b>	B2P_SEN3 (cutoff) (and B2P_VPRD, B2B_COMB)		
<b>SourceVariables:</b>	B2PA_2, B2PA_3A - B2PA_3JJ		
<p><b>Subscale Notes:</b> * Counting children who are not combining words as having a score of zero. For these children we assign a score of 0 for each of the 36 scale items (Revised Alpha).          If B2PA_2 = 1 *(non combiners), then B2P_SEN2 = 0.          ** For all other cases:          * Recode B2PA_3A through B2PA_3JJ - 01 = 00; 02 = 01.          B2P_SEN2 = (sum of the 01 responses for the recoded B2PA_3A though JJ) + 1.          For each subject, determine whether 25% (9) or more of the items in Section 10.3 are missing. If 25% or more of responses are missing, then set B2P_SEN2 to missing for this section. The 25% rule is applied to each variable individually. We did NOT impute missing values for the CDI scales.          If B2P_SEN2 is missing then B2P_SEN3 is set equal to missing. Otherwise, if B2P_SEN2 is less than 2 then B2p_SEN3 is set equal to 1. Otherwise, it is set equal to 0.          Fenson, L., P.S. Dale, J.S. Reznick, D. Thal, E. Bates, J.P. Hartung, S. Pethick, and J.S. Reilly. The MacArthur Communicative Development Inventories: User's Guide and Technical Manual. San Diego: Singular Publishing Group, 1993.          Approach reviewed by Philip Dale (personal communication, June 2000).</p>			

  

<b>Subscale Name: MacArthur CDI - Early Gestures (14 mo.)</b>			<b>subscale acronym</b> EGES
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	B1P_EGES		
<b>RelatedVariables:</b>	B1P_EGE1		
<b>SourceVariables:</b>	B1PA13A1-B1PA13A6, B1PA14A-B1PA14L		
<p><b>Subscale Notes:</b> B1P_EGES = sum of the 01 responses for items B1PA13A1 through B1PA13A6 and the recoded B1PA14A through B1PA14L.          * Recode items B1PA14A through B1PA14L so that 01 stays 01; 02 = 01; 03 = 00.          For each subject, determine whether 25% (2 for 10.13A; 3 for 10.14; 5 for 10.13 and 10.14 combined) or more of the items in Section 10.13A and 10.14 are missing. If 25% or more of responses are missing, then set B1P_GAME, B1P_GEST, and B1P_EGES to missing for this section. The 25% rule is applied to each variable individually. We did NOT impute missing values for the CDI scales.          B1P_EGE1 is set equal to 1 if the primary caregiver reports that the child's score is 12          (0 = B1P_EGES 12), which is the bottom 50th percentile of the norming sample and is the bottom 9.8th percentile of the 14-month parent interview sample.</p>			

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 685=Par Intv - child char/outc

Scale Name: **MacArthur Communicative Development Inventories**

scale acronym: MacArthur  
CDI

<b>Subscale Name: MacArthur CDI - Vocabulary Comprehension (14 Mo.)</b>				<b>subscale acronym</b> VCOM	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>		
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>		
<b>Scale Variables:</b>	B1P_VCOM				
<b>RelatedVariables:</b>	B1P_VCO1 (and B1P_VPRD)				
<b>SourceVariables:</b>	B1PA13 , B1PA_A01 though A89 B1P_choo through B1P_some				
<b>Subscale Notes:</b>	<p>For parents who answered "02" to question B1PA13 and completed the MacArthur with the interviewer, B1P_VCOM = sum of the 01 responses to B1PA_A01 though A89.</p> <p>For parents who answered "01" to question B1PA13 and completed the MacArthur on their own, recode each item so that the item score equals 1 if the item response is EITHER 01 OR 02 for CHOO through SOME. B1P_VCOM = sum of the recoded items responses to CHOO through SOME.</p> <p>Combine the data from the two groups.</p> <p>For each subject, determine whether 25% (22) or more of the items in Section 10.13 A and B are missing. If 25% or more of responses are missing, then set B1P_VPRD and B1P_VCOM (described below) to missing for this section. The 25% rule is applied to each variable individually. We did NOT impute missing values for the CDI scales.</p> <p>If 25 percent or more of the 89 items are missing from CHOO to SOME, set BOTH B1P_VPRD and B1P_VCOM to missing.</p> <p>B1P_VCO1 is a binary variable, set equal to 1 if the cutoff score is less than 15 (0 = B1P_VCOM 15 ) which is the bottom 10th percentile of the norming sample and the bottom 5th percentile of the 14-month parent interview sample.</p>				

  

<b>Subscale Name: MacArthur CDI -Combining Words (24 Mo.)</b>				<b>subscale acronym</b> COMB	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>		
<b>Parent data waves:</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>		
<b>Scale Variables:</b>	B2P_COMB				
<b>RelatedVariables:</b>	(B2P_VPRD, B2P_SEN2)				
<b>SourceVariables:</b>	B2PA_2				
<b>Subscale Notes:</b>	<p>Binary Variable to examine the percent of children combining words.</p> <p>If B2PA_2 = 1 then B2P_COMB = 0.</p> <p>If B2PA_2 = 2 or 3 then B2P_COMB = 1.</p> <p>???? Plus: IF &amp;PRE_SENT = 0 THEN &amp;PRE_COMB = 1; ???</p> <p>If B2PA_2 is missing, then B2P_COMB is missing.</p>				

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 800=Child: Bayley

Scale Name: **Bayley Scales of Infant Development (BSID) Behavioral Rating Scales** scale acronym: BSID BRS

Developer or Publisher: Bayley, The Psychological Corporation, Harcourt Brace & Company, 1993.

Citation: Bayley, Nancy. Bayley Scales of Infant Development, Second Edition: Manual. New York: The Psychological Corporation, Harcourt Brace & Company, 1993.

items available in documentation no  
restricted files yes

Scale notes: Bayley Behavior Rating Scale (BRS) measures the child's behavior during the Bayley MDI assessment. The BRS is one of the three component scales of the Bayley Scales of Infant Development-- Second Edition (Bayley 1993). The interviewer assesses the child's behavior by scoring items on a 5-point scale, with 5 indicating more positive behavior (for example, less frustration and more cooperation).

<b>Subscale Name: BSID BRS - Emotional Regulation</b>			<b>subscale acronym</b> EREG
<b>14 month</b>	<b>24 month</b>	<b>36 month</b>	
<b>Parent data waves:</b> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Father data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Scale Variables:</b> B1R_EREG	B2R_EREG	BnR_EREG	
<b>RelatedVariables:</b> (B1R_ENG)	(B2R_ENG)	(B3R_ENG)	
<b>SourceVariables:</b> B1R2_2, B1R2_3, B1R2_5, B1R2_8, B1R2_9, B1R2_12, and B1R2_13	B2R2_2, B2R2_3, B2R2_5, B2R2_8, B2R2_9, B2R2_12, and B2R2_13	B3R2_2, B3R2_3, B3R2_5, B3R2_8, B3R2_9, B3R2_12, and B3R2_13	
<b>Subscale Notes:</b> Emotional Regulation measures the child's ability to change tasks and test materials; negative affect; and frustration with tasks during the assessment. BnR_EREG (emotional regulation) is the mean of items BnR2_2, BnR2_3, BnR2_5, BnR2_8, BnR2_9, BnR2_12, and BnR2_13, corresponding to Bayley Behavior Rating Scale items 6, 8, 10, 14, 15, 21, and 30. Note: reverse code item 2_2 (Bayley item 6) so that 1=5, 2=4, 3=3, 4=2, and 5=1. Bayley items 18, 19, and 29 were not administered. If 25 percent or more of the items are missing within a subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. Define the subscale score as the mean of the items in the subscale.			

  

<b>Subscale Name: BSID BRS - Orientation/Engagement</b>			<b>subscale acronym</b> ENG
<b>14 month</b>	<b>24 month</b>	<b>36 month</b>	
<b>Parent data waves:</b> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>Father data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Scale Variables:</b> B1R_ENG	B2R_ENG	BnR_ENG	
<b>RelatedVariables:</b> (B1R_EREG)	(B2R_EREG)	(B3R_EREG)	
<b>SourceVariables:</b> B1R2_1 B1R2_4 B1R2_6 B1R2_7 B1R2_11	B2R2_1 B2R2_4 B2R2_6 B2R2_7 B2R2_11	B3R2_1 B3R2_4 B3R2_6 B3R2_7 B3R2_11	
<b>Subscale Notes:</b> Orientation/ Engagement measures the child's cooperation with the interviewer during the assessment; positive affect; and interest in the test materials. BnR_ENG (orientation/engagement) is the mean of items BnR2_1, BnR2_4, BnR2_6, BnR2_7, and BnR2_11, corresponding to Bayley Behavior Rating Scale items 5, 9, 11, 13, and 20. Note: BnR2_10 (Bayley item 17) was dropped. Bayley items 12, 16, and 19 were not administered. If 25 percent or more of the items are missing within a subscale, set the subscale score to missing. If fewer than 25 percent are missing, set the missing items to the average subscale item score. Define the subscale score as the mean of the items in the subscale.			



# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 800=Child: Bayley

Scale Name: **Bayley Scales of Infant Development (BSID) Mental Development Index** scale acronym: BSID MDI

Developer or Publisher: Bayley, The Psychological Corporation, Harcourt Brace & Company, 1993.

Citation: Bayley, Nancy. Bayley Scales of Infant Development, Second Edition: Manual. New York: The Psychological Corporation, Harcourt Brace & Company, 1993.

items available in documentation no  
restricted files yes

Scale notes: Bayley Scales of Infant Development- Second Edition: Mental Development Index (MDI) measures the cognitive, language, and personal-social development of children under age 3 1/2.

Subscale Name:	BSID - Mental Development Index			subscale acronym	Bayley MDI
	14 month	24 month	36 month		
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>		
Scale Variables:	B1B_MDI	B2B_MDI	B3B_MDI		
RelatedVariables:	B1B_MDI1, B1B_MDI2	B2B_MDI1 B2B_MDI2 B2B_MDI3 B2B_MDI4	B3B_MDI1 B3B_MDI2 B3B_MDI3 B3B_MDI4		
SourceVariables:	B1BI* plus scoring variables	B2BI* plus scoring variables	B3BI* plus scoring variables		
Subscale Notes:	<p>The Bayley MDI was normed on a nationally representative sample of children of various ages so that raw scores can be converted to age-adjusted, standardized scores with a mean of 100 and a standard deviation of 15. BnB_MDI (where n=1,2,3 is a birthday-related time period) is created from a number of Bayley variables. BnB_MDI: BSID-II Mental Development Index (MDI) score, was derived from a look-up table for BnB_raw, by age (BnB_rmth, or BnB_mnth)</p> <p>BnB_MDI1, Bayley MDI below 85, indicates delayed performance, or scores one standard deviation or more below the mean for their age in the normally representative, standardization sample. If Bayley MDI score (BnB_MDI) is 85 and is non-missing then BnB_MDI1 is set equal to 1. Otherwise, BnB_MDI1 is set to 0. If Bayley MDI score (BnB_MDI) is 100 and is non-missing then BnB_MDI2 is set equal to 1. Otherwise, BnB_MDI2 is set to 0. If Bayley MDI Score (BnB_MDI) is 77 and is non-missing then BnB_MDI3 is set equal to 1. Otherwise, BnB_MDI3 is set to 0. If Bayley MDI Score (BnB_MDI) is 70 and is non-missing then BnB_MDI4 is set equal to 1. Otherwise, BnB_MDI4 is set to 0.</p> <p>An abbreviated description of the Bayley scoring program is included here.</p> <p>The scoring procedures are based on the rules outlined in the Bayley Scales of Infant Development Manual, Second Edition. Please note that the EHS Bayley administration and these scoring procedures differ slightly from those described in the manual.</p> <p>To score a Bayley our scoring routine does the following:</p> <ul style="list-style-type: none"> <li>* Determines the child's chronological age in rounded months from the date of birth to the date of testing.</li> <li>* Determines the basal age. The scoring routine looks for a basal (Credit on at least 5 items) in the item set that corresponds to the child's chronological age. If the scoring program does not find a basal in the item set that corresponds to the child's chronological age, it looks for a basal in the next-lower item set and continues this way until it finds a basal. If no basal is found, the testing Administration Code is set to indicate that there is a problem with the case. With no basal, there can be no determination of the child's item set (see below), so all further scoring components and raw and MDI scores are missing.</li> <li>* Determines the ceiling age. The scoring routine also looks for a ceiling (No Credit on at least 3 items) in the item set that corresponds to the child's chronological age. If no ceiling is reached and additional items were administered, the computer looks for a ceiling in the next-higher item set and continues that way until it finds a ceiling. If a ceiling is not reached within the items administered, the Scoring Code is set to indicate that a ceiling was not reached, and the raw and MDI scores will probably be an underestimate of the child's ability.</li> <li>* Determines the child's item set, defined by the lowest-numbered item in the child's basal item set through the highest-numbered item in the child's ceiling item set. This can not be done if no basal is established.</li> <li>* Determines the raw score by adding the number of items before the beginning of the basal age item set to the total number of items in the child's item set for which the child received credit. Credit is given for all items prior to the basal item set, regardless of the actual score the child received on those items. We did this to compensate for our deviation in administration from the Bayley standardization procedure. The argument is that if children in the standardization sample would have been given the same early items our children were given, they would also have made some mistakes, so crediting our children for those previous items makes our scores comparable to the standardization scores.</li> </ul>				

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 800=Child: Bayley

Scale Name: **Bayley Scales of Infant Development (BSID) Mental Development Index**

scale acronym: BSID MDI

\* Determines the Mental Development Index (MDI) score corresponding to the child's raw score and chronological age from Table A.1 in the Bayley manual.

\* Enters testing Administration Code and Scoring Code values as needed to indicate special circumstances in Bayley administration or scoring.

Subscale Name: **BSID Spatial Score (2 Factor) (36 months)**

subscale acronym M2FS

14 month

24 month

36 month

Parent data waves: ☐

☐☒

Father data waves:

☐☐

Scale Variables:

B3B\_M2FS

RelatedVariables:

SourceVariables:

B3BI169, B3BI170, B3BI171,  
B3BI172, B3BI173, B3BI174

Subscale Notes: B3B\_M2FS, Bayley 2 factor spatial score, is the sum of 6 items: B3BI169, B3BI170, B3BI171, B3BI172, B3BI173, B3BI174

Subscale Name: **BSID - Language Factor Score (24 Months)**

subscale acronym MLAN

14 month

24 month

36 month

Parent data waves: ☐

☒☐

Father data waves:

☐☐

Scale Variables:

B2B\_MLAN

RelatedVariables:

SourceVariables:

B2BI113, B2BI114, B2BI117,  
B2BI118, B2BI121, B2BI122,  
B2BI126, B2BI127, B2BI129,  
B2BI133, B2BI136, B2BI142

Subscale Notes: B2B\_MLAN, Language Factor Score, is the sum of 12 items: B2BI113, B2BI114, B2BI117, B2BI118, B2BI121, B2BI122, B2BI126, B2BI127, B2BI129, B2BI133, B2BI136, B2BI142.

Subscale Name: **BSID - Visual/Spatial Factor Score (24 Months)**

subscale acronym MVSP

14 month

24 month

36 month

Parent data waves: ☐

☒☐

Father data waves:

☐☐

Scale Variables:

B2B\_MVSP

RelatedVariables:

SourceVariables:

B2BI115, B2BI120, B2BI123,  
B2BI124, B2BI125, B2BI128,  
B2BI130, B2BI134, B2BI137,  
B2BI143, B2BI144, B2BI145,  
B2BI147, B2BI149, B2BI150

Subscale Notes: B2B\_MVSP, Visual/Spatial Factor Score, is the sum of 15 items: B2BI115, B2BI120, B2BI123, B2BI124, B2BI125, B2BI128, B2BI130, B2BI134, B2BI137, B2BI143, B2BI144, B2BI145, B2BI147, B2BI149, B2BI150.

EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 800=Child: Bayley

Scale Name: Bayley Scales of Infant Development (BSID) Mental Development Index scale acronym: BSID MDI

Subscale Name: BSID Reasoning Score (2 Factor) (36 months) subscale acronym M2FR

	14 month	24 month	36 month
Parent data waves:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Father data waves:		<input type="checkbox"/>	<input type="checkbox"/>

Scale Variables: B3B\_M2FR

RelatedVariables:

SourceVariables: B3BI140, B3BI141, B3BI143, B3BI144, B3BI145, B3BI146, B3BI151, B3BI153, B3BI155, B3BI157, B3BI159, B3BI162, B3BI167

Subscale Notes: B3B\_M2FR, Bayley 2 factor reasoning score, is the sum of 13 items: B3BI140, B3BI141, B3BI143, B3BI144, B3BI145, B3BI146, B3BI151, B3BI153, B3BI155, B3BI157, B3BI159, B3BI162, B3BI167

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 810=Child: PPVT, TVIP

Scale Name: **Peabody Picture Vocabulary Test-III**

scale acronym: PPVT

Developer or Publisher: Dunn and Dunn 1997

Citation: Dunn, Lloyd M. and Leota M. Dunn. Peabody Picture Vocabulary Test-Third Edition. Circle Pines, MN: American Guidance Service, 1997.

items available in  
documentation no  
restricted files yes

**Scale notes:** Peabody Picture Vocabulary Test, Third Edition (PPVT-III) measures listening comprehension of spoken words in standard English for children and adults from age 2 1/2 and over (Dunn and Dunn 1997). The child is presented with four pictures and is asked to point to the picture that matches the word spoken by the interviewer. The PPVT-III was normed on a nationally representative sample of children and adults of various ages so that raw scores can be converted to age-adjusted, standardized scores with a mean of 100 and a standard deviation of 15.

<b>Subscale Name:</b>	<b>Peabody Picture Vocabulary Test-III</b>			<b>subscale acronym</b>	PPVT
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>		
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>		
<b>Scale Variables:</b>				B3RPPVTS	
<b>RelatedVariables:</b>				B3RPPVT1 - B3RPPVT4	
<b>SourceVariables:</b>				B3R5*	
<b>Subscale Notes:</b>	If B3RPPVTS 85 and is non-missing then B3RPPVT1 is set equal to 1. Otherwise B3RPPVT1 is set to 0. If B3RPPVTS 100 and is non-missing then B3RPPVT2 is set equal to 1. Otherwise B3RPPVT2 is set to 0. If B3RPPVTS 77 and is non-missing then B3RPPVT3 is set equal to 1. Otherwise B3RPPVT3 is set to 0. If B3RPPVTS 70 and is non-missing then B3RPPVT4 is set equal to 1. Otherwise B3RPPVT4 is set to 0.				

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 810=Child: PPVT, TVIP

Scale Name: **Test de Vocabulario en Imagenes Peabody**

scale acronym: TVIP

Developer or Publisher: Dunn et al. 1986

Citation: Dunn, Lloyd M., Eligio R. Padilla, Delia E. Lugo, and Leota M. Dunn. Examiner's Manual for the Test de Vocabulario en Imagenes Peabody (Peabody Picture Vocabulary Test) Adaptacion Hispanoamericana (Hispanic-American Adaptation). Circle Pines, MN: American Guidance Service, 1986.

items available in documentation	no
restricted files	yes

Scale notes: Test de Vocabulario en Imagenes Peabody (TVIP) measures the listening comprehension of spoken words in Spanish for Spanish-speaking and bilingual children from ages 2 1/2 to 18 (Dunn, Lloyd, Eligio, Padilla, Lugo, and Dunn 1986),  
The child is presented with four pictures and is asked to point to the picture that matches the Spanish word spoken by the interviewer. The TVIP was normed on a sample of Mexican and Puerto Rican children of various ages so that raw scores can be converted to age-adjusted, standardized scores with a mean of 100 and a standard deviation of 15.

Subscale Name:	<b>Test de Vocabulario en Imagenes Peabody</b>			subscale acronym	TVIP
	14 month	24 month		36 month	
Parent data waves:	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
Father data waves:		<input type="checkbox"/>		<input type="checkbox"/>	
Scale Variables:				B3RTVIPS	
RelatedVariables:				B3RTVIP2	
SourceVariables:				B3R6*	
Subscale Notes:	If B3RTVIPS 100 and non-missing then B3RTVIP2 is set equal to 1. Otherwise B3RTVIP2 is set to 0. (This cutoff was chosen because only 6 percent of the Early Head Start evaluation sample scored below 85. The higher standardized scores on the TVIP compared to the PPVT-III could be attributable to the fact that norms for the TVIP were developed nearly two decades ago.)				

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **High Chair (Frustration) Assessment**

scale acronym: HiChair

Developer or Publisher: Shaw et al. 1994; McHale et al. 1999

Citation: Shaw, Daniel S., K. Keenan, and J.I. Vondra. "Developmental Precursors of Externalizing Behavior: Age 1 to 3." Developmental Psychology, vol. 30, no. 3 (1994), pp. 355-364.  
McHale, Jean, Colleen O'Neal, So-Yun Lee, and Lisa Berlin. 14 Month Child-Parent Interaction Rating Scales for the High Chair Assessment. Unpublished scales, National Center for Children and Families, Teachers College, Columbia University, 1999.

items available in  
documentation yes  
restricted files yes

Scale notes: no variables from this measure are currently available.

<b>Subscale Name: High Chair (Frustration) Assessment</b>		<b>subscale acronym</b> HiChair	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input type="checkbox"/>
<b>Scale Variables:</b>	(see notes)		
<b>RelatedVariables:</b>			
<b>SourceVariables:</b>			
<b>Subscale Notes:</b>	no variables from this measure are currently available.		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Nursing Child Assessment Satellite Training (NCAST) Parent-Child Interaction Teaching Scale** scale acronym: NCAST

Developer or Publisher: Barnard 1994; Sumner and Spietz 1994

Citation: Barnard, Kathryn. NCAST Teaching Scale. Seattle, WA: University of Washington, School of Nursing, 1994.  
Sumner, G. and A. Spietz. NCAST Caregiver / Parent-Child Interaction Teaching Manual. Seattle, WA: NCAST Publications, University of Washington, School of Nursing. Information available at <http://www.ncast.org/p-pci.asp>. 1994

items available in documentation yes  
restricted files yes

Scale notes: The Teaching Scale is used with infants and young children birth to 3 years of age. It is a reliable and valid means of observing and rating caregiver-child interaction during a novel situation for the purpose of assessing a dyad's strengths and areas needing improvement. Teaching scores from interactions with children as young as 3 months of age show a significant correlation with subsequent measures of children's cognitive abilities. The scale is widely used in both clinical practice and research with families and young children.

The Teaching Scale consists of 73 items organized into six subscales. Four subscales describe the parent's responsibility to the interaction: Sensitivity to Cues, Response to Distress, Social-Emotional Growth Fostering and Cognitive Growth Fostering, and two for the child: Clarity of Cues and Responsiveness to Caregiver. The Teaching Scale is scored following the observation of a session where the caregiver is asked to teach the child a defined age-appropriate activity. The length of administering the Teaching Scale varies but generally is completed in 1-6 minutes. Adaptations for use in EHS study:

\*The procedure was simplified to include only two choices of activity.

\*The interaction time was shortened to 3 minutes.

\*Coding was done via fine-grained analysis of the videotaped interaction, rather than live, immediately following the observation. This approach allowed for a single group of trained coders to analyze videotapes from all 17 sites of the Early Head Start study, and enabled coders to conduct several passes through the videotape to code the observed behaviors.

<b>Subscale Name: NCAST Total Score (24 Months)</b>		<b>subscale acronym</b> NCAST	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
Parent data waves:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Father data waves:		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scale Variables:	b2vt_tot		
RelatedVariables:	(b2vtptot, b2vtctot)		
SourceVariables:	b2vt01 -- b2vt73		
Subscale Notes:	b2vt_tot is the SUM of all 73 items: b2vt01-- b2vt73. alphas by race: Latino (n= 419): alpha = 0.62 African American (n= 538): alpha = 0.66 White (n= 656): alpha =0.67		

  

<b>Subscale Name: NCAST Child Total (24 Months)</b>		<b>subscale acronym</b> vtctot	
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
Parent data waves:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Father data waves:		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Scale Variables:	b2vtctot		
RelatedVariables:	(b2vt_tot, b2vtptot)		
SourceVariables:	b2vt51 -- b2vt73		
Subscale Notes:	b2vtctot is the SUM of the 23 child items: b2vt51-- b2vt73. alphas by race: Latino (n=419): alpha = 0.66 African American (n=538): alpha = 0.72 White (n= 657): alpha = 0.65		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Nursing Child Assessment Satellite Training (NCAST)  
Parent-Child Interaction Teaching Scale**

scale acronym: NCAST

Subscale Name: **NCAST Parent Total (24-month)**

subscale acronym vtptot

14 month

24 month

36 month

Parent data waves: ☐

☒

☐

Father data waves:

☒

☐

Scale Variables: b2vtptot

RelatedVariables: (b2vt\_tot, b2vtctot)

SourceVariables: b2vt01 -- b2vt50

**Subscale Notes:** b2vtptot is the SUM of the 50 parent items: b2vt01-- b2vt50.  
alphas by race:  
Latino (n= 419): alpha = 0.60  
African American (n= 539): alpha = 0.66  
White (n= 657): alpha =0.67



# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

**Scale Name:** Puzzle Challenge (Problem Solving) Task

**scale acronym:** Puzzle

**Developer or Publisher:** Matas, Arend and Sroufe 1978; Sroufe, Egeland and Kreutzer 1990; Brady-Smith et al. 2001

**Citation:** Brady-Smith, Christy, Rebecca Ryan, Lisa J. Berlin, Jeanne Brooks-Gunn, and Allison Fuligni. Child-Parent Rating Scales for the Puzzle Challenge Task. Unpublished scales, National Center for Children and Families, Teachers College, Columbia University, 2001.

**items available in documentation** yes  
**restricted files** yes

**Scale notes:** The child was given a puzzle to play with, and the parent was instructed to give the child any help needed. After 3 minutes, or earlier if the puzzle was completed, the interviewer gave the child a second, harder puzzle and asked the mother not to help the child. If that puzzle was completed or 3 minutes elapsed, another, more challenging puzzle was provided.  
The puzzle challenge task was videotaped, and child and parent behaviors were coded by child development researchers according to strict protocols.  
Scales are assessed on a seven-point scale, "1" indicating a very low incidence of the behavior and "7" indicating a very high incidence of the behavior. The 36-month puzzle task scales are based on the "Manual for Coding the Puzzle Task" from the Newark Observational Study of the Teenage Parent Demonstration (TPD; Brooks-Gunn, Liaw, Michael, & Zamsky, 1992; Spiker, Ferguson, & Brooks-Gunn, 1993).

<b>Subscale Name:</b>	<b>36mos Puzzle Child Engagement of Parent</b>			<b>subscale acronym</b>	VPCENG
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>		
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Scale Variables:</b>				B3VPCENG	
<b>RelatedVariables:</b>				(B3VPCPER, B3VPCFRU)	
<b>SourceVariables:</b>				B3VPCENG	
<b>Subscale Notes:</b>	Child Behavior During Parent-Child Puzzle Challenge Task measures the child's behavior with the parent during a puzzle completion task. Positive aspects of children's behavior with the parent were rated on a 7-point scale. Engagement measures the extent to which the child shows, initiates, or maintains interaction with the parent. This may be expressed by approaching or orienting toward the parent, establishing eye contact with the parent, positively responding to the parent's suggestions, positive affect directed toward the parent and/or engaging the parent in the puzzle task. Very high engagement receives a 7.				

<b>Subscale Name:</b>	<b>36mos Puzzle Child Frustration</b>			<b>subscale acronym</b>	VPCFRU
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>		
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Scale Variables:</b>				B3VPCFRU	
<b>RelatedVariables:</b>				(B3VPCENG, B3VPCPER)	
<b>SourceVariables:</b>				B3VPCFRU	
<b>Subscale Notes:</b>	Child Behavior During Parent-Child Puzzle Challenge Task measures the child's behavior with the parent during a puzzle completion task. Three aspects of children's behavior with the parent were rated on a 7-point scale, with one reflecting a negative aspect of children's social-emotional development: Frustration with Task measures the degree to which the child expresses frustration or anger toward the puzzle task, for example by putting hands in lap, whining, pushing away puzzle pieces, crying about the puzzle, saying it is too hard, or throwing puzzle pieces. Very high frustration receives a 7.				

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Puzzle Challenge (Problem Solving) Task**

scale acronym: Puzzle

<b>Subscale Name: 36mos Puzzle Child Persistence</b>			<b>subscale acronym</b> VPCPER
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B3VPCPER		
<b>RelatedVariables:</b>	(B3VPCENG, B3VPCFRU)		
<b>SourceVariables:</b>	B3VPCPER		
<b>Subscale Notes:</b> Child Behavior During Parent-Child Puzzle Challenge Task measures the child's behavior with the parent during a puzzle completion task. Positive aspects of children's behavior with the parent were rated on a 7-point scale. Persistence measures how goal-oriented, focused, and motivated the child remains toward the puzzle throughout the task. The focus of this measure is on the child's apparent effort to solve the puzzle, not on how well the child performs. Very high persistence receives a 7.			

  

<b>Subscale Name: 36mos Puzzle Parent Detachment</b>			<b>subscale acronym</b> VPPDET
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B3VPPDET		
<b>RelatedVariables:</b>	(B3VPPINT, B3VPPQ_A, B3VPPSUP)		
<b>SourceVariables:</b>	B3VPPDET		
<b>Subscale Notes:</b> Parent Behavior during Parent-Child Puzzle Challenge Task : measures the parent's behavior with the child during a puzzle completion task. Four aspects of the parent's behavior with the child were rated on a 7-point scale, with two related to negative parenting behavior: Detachment : measures the extent to which the parent is inattentive to the child, or interacts in a perfunctory or indifferent manner.			

  

<b>Subscale Name: 36mos Puzzle Parent Intrusiveness</b>			<b>subscale acronym</b> VPPINT
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B3VPPINT		
<b>RelatedVariables:</b>	(B3VPPDET, B3VPPQ_A, B3VPPSUP)		
<b>SourceVariables:</b>	B3VPPINT		
<b>Subscale Notes:</b> Parent Behavior during Parent-Child Puzzle Challenge Task : measures the parent's behavior with the child during a puzzle completion task. Four aspects of the parent's behavior with the child were rated on a 7-point scale, with two related to negative parenting behavior: Intrusiveness : measures the degree to which the parent controls the child rather than recognizing and respecting the validity of the child's independent efforts to solve the puzzle.			

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Puzzle Challenge (Problem Solving) Task**

scale acronym: Puzzle

<b>Subscale Name: 36mos Puzzle Parent Quality of Assistance</b>			<b>subscale acronym</b> VPPQ_A
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B3VPPQ_A		
<b>RelatedVariables:</b>	(B3VPPDET, B3VPPINT, B3VPPSUP)		
<b>SourceVariables:</b>	B3VPPQ_A		
<b>Subscale Notes:</b>	Parent Behavior during Parent-Child Puzzle Challenge Task : measures the parent's behavior with the child during a puzzle completion task. Four aspects of the parent's behavior with the child were rated on a 7-point scale, with one aspect related to emotional support: Quality of Assistance : measures the frequency and quality of clear guidance to the child, flexible strategies for providing assistance, and diverse, descriptive verbal instructions and exchanges with the child.		

  

<b>Subscale Name: 36mos Puzzle Parent Supportive Presence</b>			<b>subscale acronym</b> VPPSUP
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B3VPPSUP		
<b>RelatedVariables:</b>	(B3VPPDET, B3VPPINT, B3VPPQ_A)		
<b>SourceVariables:</b>	B3VPPSUP		
<b>Subscale Notes:</b>	Parent Behavior during Parent-Child Puzzle Challenge Task : measures the parent's behavior with the child during a puzzle completion task. Four aspects of the parent's behavior with the child were rated on a 7-point scale, with two related to negative parenting behavior: Supportive Presence - Focuses on the parent's emotional availability and physical and affective presence during the puzzle task. Supportive presence involves providing a secure base from which the child can explore, and displaying emotional support and enthusiasm toward the child and his or her autonomous work.		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Three-Bag Assessment (Semi-Structured Play)**

scale acronym: 3-bag

Developer or Publisher: NICHD Study of Early Child Care 1992; Ware et al. 1998; Brady-Smith et al. 1999 and 2000

**Citation:** NICHD Study of Early Child Care. "Procedures for Videotaping Mother-Child Interaction at 15 Months." Chapter 15.3 of The NICHD Study of Early Child Care and Youth Development, Phase I Manuals. 1992. Available at <http://secc.rti.org/manuals.cfm>.  
Ware, Anne, Christy Brady-Smith, Claudia O'Brien, and Lisa Berlin. Child-Parent Interaction Rating Scales for the Three-Bag Assessment (14 months). Unpublished scales, National Center for Children and Families, Teachers College, Columbia University, 1998.  
Brady-Smith, Christy, Claudia O'Brien, Lisa Berlin, and Anne Ware. Child-Parent Interaction Rating Scales for the Three-Bag Assessment (24 months). Unpublished scales, National Center for Children and Families, Teachers College, Columbia University, 1999.  
Brady-Smith, Christy, Claudia O'Brien, Lisa Berlin, Anne Ware, and Rebecca C. Fauth. Child-Parent Interaction Rating Scales for the Three-Bag Assessment (36 months). Unpublished scales, National Center for Children and Families, Teachers College, Columbia University, 2000

**items available in documentation** yes  
**restricted files** yes

**Scale notes:** The parent and child were given three bags of interesting toys and asked to play with the toys in sequence. The semistructured play task was videotaped, and child and parent behaviors were coded by child development researchers according to strict protocols.  
Scales are assessed on a seven-point scale, "1" indicating a very low incidence of the behavior and "7" indicating a very high incidence of the behavior.  
This assessment was adapted for this evaluation from the Three Box coding scales used in the NICHD Study of Early Child Care (NICHD Early Child Care Research Network 1999).  
The 24- and 36-month scales were based on the "Early Head Start 14-month Child-Parent Interaction Rating Scales for the Three Bag Assessment" (Ware, Brady, O'Brien, and Berlin 1998), the NICHD Study of Early Child Care 15-, 24-, and 36-month ratings of Parent-Child Interaction, and the "Manual for Coding Freeplay - Parenting Styles from the Newark Observational Study of the Teenage Parent Demonstration" (Brooks-Gunn et al. 1992).

Subscale Name:	<b>Child Engagement of Parent (3-bag)</b>			subscale acronym	V3CENG
	14 month	24 month	36 month		
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Father data waves:		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Scale Variables:	B1V3CENG	B2V3CENG	B3V3CENG		
RelatedVariables:	(B1V3CNEG, B1V3CATN)	(B2V3CNEG, B2V3CATN)	(B3V3CNEG, B3V3CATN)		
SourceVariables:	B1V3CENG	B2V3CENG	B3V3CENG		
Subscale Notes:	<p>Child Behavior During Parent-Child Semistructured Play - measures the child's behavior with the parent during a semistructured play task.</p> <p>Two positive aspects of children's behavior with the parent were rated on a 7-point scale:</p> <p>Engagement measures the extent to which the child shows, initiates, or maintains interaction with the parent. This may be expressed by approaching or orienting toward the parent, establishing eye contact with the parent, positively responding to the parent's initiations, positive affect directed toward the parent and/or engaging the parent in play. Very high engagement receives a 7.</p>				

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Three-Bag Assessment (Semi-Structured Play)**

scale acronym: 3-bag

<b>Subscale Name: Child Negativity Toward Parent (3-bag)</b>			<b>subscale acronym</b> V3CNEG
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B1V3CNEG	B2V3CNEG	B3V3CNEG
<b>RelatedVariables:</b>	(B1V3CENG, B1V3CATN)	(B2V3CENG, B2V3CATN)	(B3V3CENG, B3V3CATN)
<b>SourceVariables:</b>	B1V3CNEG	B2V3CNEG	B3V3CNEG
<b>Subscale Notes:</b> Child Behavior During Parent-Child Semistructured Play - measures the child's behavior with the parent during a semistructured play task. Three aspects of children's behavior with the parent were rated on a 7-point scale, with one reflecting a negative aspect of children's social-emotional development: Negativity Toward Parent measures the degree to which the child shows anger, hostility, or dislike toward the parent. Expressions may be overt (for example, forcefully rejecting a toy offered by the parent or pushing the parent away) or covert (for example, hitting or throwing an object in response to the parent's behavior). Very high negativity receives a 7.			

  

<b>Subscale Name: Child Sustained Attention with Objects (3-bag)</b>			<b>subscale acronym</b> V3CATN
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B1V3CATN	B2V3CATN	B3V3CATN
<b>RelatedVariables:</b>	(B1V3CENG, B1V3CNEG)	(B2V3CENG, B2V3CNEG)	(B3V3CENG, B3V3CNEG)
<b>SourceVariables:</b>	B1V3CATN	B2V3CATN	B3V3CATN
<b>Subscale Notes:</b> Child Behavior During Parent-Child Semistructured Play - measures the child's behavior with the parent during a semistructured play task. Two positive aspects of children's behavior with the parent were rated on a 7-point scale: Sustained Attention measures the degree to which the child is involved with toys presented in the three bags. Indicators include degree to which the child "focuses in" when playing with an object and the extent to which the child coordinates activities with several objects and/or explores different aspects of a toy. Very high sustained attention receives a 7.			

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Three-Bag Assessment (Semi-Structured Play)**

scale acronym: 3-bag

Subscale Name: <b>Parent Supportiveness (3-bag)</b>		subscale acronym V3_SUP	
	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Father data waves:		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scale Variables:	B1V3_SUP	B2V3_SUP	B3V3_SUP
RelatedVariables:	(B1V3PDET, B1V3PINT, B1V3PNEG)	(B2V3PDET, B2V3PINT, B2V3PNEG)	(B3V3PDET, B3V3PINT, B3V3PNEG)
SourceVariables:	B1V3psen, B1V3pstm, B1V3ppos	B2V3psen, B2V3pstm, B2V3ppos	B3V3psen, B3V3pstm, B3V3ppos
Subscale Notes:	<p>Supportiveness: this composite measure is the mean of parental Sensitivity, Cognitive Stimulation, and Positive Regard during play with the child.</p> <p>Sensitivity includes such behavior as acknowledgement of the child's affect, vocalizations, and activity; facilitating the child's play; changing the pace of play when the child seems under-stimulated or over-excited; and demonstrating developmentally appropriate expectations of behavior.</p> <p>Stimulation of Cognitive Development measures the quality and quantity of the parent's effortful teaching to enhance child's perceptual, cognitive, and linguistic development. Key features include being aware of the child's developmental level, efforts to bring the child above that level, flexibility and timing of instructions or explanations, and use of complex and varied language. Cognitive stimulation involves taking advantage of the activities and toys to facilitate learning, development, and achievement; for example, by encouraging the child to talk about the materials, by encouraging play in ways that illustrate or teach concepts such as colors or sizes, and by using language to label the child's experiences or actions, to ask questions about the toys, to present activities in an organized series of steps, and to elaborate on the pictures in books or unique attributes of objects.</p> <p>Positive regard includes praising the child, smiling or laughing with the child, expressing affection, showing empathy for the child's distress, and showing clear enjoyment of the child.</p> <p>Supportiveness is computed as follows (SPSS syntax; same computation for 14-, 24-, and 36-month waves):  <code>COMPUTE bnv3_sup = MEAN(bnv3psen, bnv3pstm, bnv3ppos) .</code></p>		

  

Subscale Name: <b>Parent Detachment (3-bag)</b>		subscale acronym V3PDET	
	14 month	24 month	36 month
Parent data waves:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Father data waves:		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Scale Variables:	B1V3PDET	B2V3PDET	B3V3PDET
RelatedVariables:	(B1V3PINT, B1V3PNEG, B1V3_SUP)	(B2V3PINT, B2V3PNEG, B2V3_SUP)	(B3V3PINT, B3V3PNEG, B3V3_SUP)
SourceVariables:	B1V3PDET	B2V3PDET	B3V3PDET
Subscale Notes:	<p>Parent Behavior during Parent-Child Semistructured Play : measures the parent's behavior with the child during a semistructured play task.</p> <p>Aspects of the parent's behavior with the child were rated on a seven-point scale, with three related to negative parenting behavior:</p> <p>Detachment: measures the extent to which the parent is inattentive to the child, inconsistently attentive, or interacts with the child in an indifferent manner. For example, the parent may be inattentive, perfunctory, or cold when interacting with the child, may not respond to the child's talk or expressions, or may not try to engage the child with the new toys.</p>		

# EHS RESEARCH AND EVALUATION PROJECT MEASURES DOCUMENTATION

sort code: 850=Video coding

Scale Name: **Three-Bag Assessment (Semi-Structured Play)**

scale acronym: 3-bag

<b>Subscale Name: Parent Intrusiveness (3-bag)</b>			<b>subscale acronym</b> V3PINT
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B1V3PINT	B2V3PINT	B3V3PINT
<b>RelatedVariables:</b>	(B1V3PDET, B1V3PNEG, B1V3_SUP)	(B2V3PDET, B2V3PNEG, B2V3_SUP)	(B3V3PDET, B3V3PNEG, B3V3_SUP)
<b>SourceVariables:</b>	B1V3PINT	B2V3PINT	B3V3PINT
<b>Subscale Notes:</b> Parent Behavior during Parent-Child Semistructured Play : measures the parent's behavior with the child during a semistructured play task. Aspects of the parent's behavior with the child were rated on a seven-point scale, with three related to negative parenting behavior: Intrusiveness : measures the extent to which the parent exerts control over the child rather than acting in a way that recognizes and respects the validity of the child's perspective. Higher scores on intrusiveness indicate that the parent controlled the play agenda, not allowing the child to influence the focus or pace of play, grabbing toys away from the child, and not taking turns in play with the child.			

  

<b>Subscale Name: Parent Negative Regard (3-bag)</b>			<b>subscale acronym</b> V3PNEG
	<b>14 month</b>	<b>24 month</b>	<b>36 month</b>
<b>Parent data waves:</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Father data waves:</b>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Scale Variables:</b>	B1V3PNEG	B2V3PNEG	B3V3PNEG
<b>RelatedVariables:</b>	(B1V3PDET, B1V3PINT, B1V3_SUP)	(B2V3PDET, B2V3PINT, B2V3_SUP)	(B3V3PDET, B3V3PINT, B3V3_SUP)
<b>SourceVariables:</b>	B1V3PNEG	B2V3PNEG	B3V3PNEG
<b>Subscale Notes:</b> Parent Behavior during Parent-Child Semistructured Play : measures the parent's behavior with the child during a semistructured play task. Aspects of the parent's behavior with the child were rated on a seven-point scale, with three related to negative parenting behavior: Negative Regard : measures the parent's expression of discontent with, anger toward, disapproval of, or rejection of the child. High scores on negative regard indicate that the parent used a disapproving or negative tone, showed frustration, anger, physical roughness, or harshness toward the child, threatened the child for failing at a task or not playing the way the parent desired, or belittled the child.			